

# UNIVERSITY OF CALIFORNIA, SANTA CRUZ

OFFICE OF THE REGISTRAR

## Fall 2006 Schedule of Classes



### **Verify Your Enrollments**

It is recommended that you verify your classes and grade options after you complete your enrollment transactions and print a copy of your schedule.

### **Fall Registration Fees**

Bills for fall quarter charges will be viewable on the MyUCSC portal on August 21. A copy will be mailed to your Statement of Account mailing address (see page 26.) Registration fees are due by 4 p.m. on September 13. If your payment is received by the UCSC cashier after the deadline, you will be assessed a \$50 late fee.

### **Check for Enrollment Holds**

To prevent delays in enrolling, check the portal for enrollment holds before priority enrollment begins and take action to clear your holds before your appointment time.

Online *Schedule of Classes*:  
[reg.ucsc.edu/soc/](http://reg.ucsc.edu/soc/)

MyUCSC portal:  
[my.ucsc.edu](http://my.ucsc.edu)

# UNIVERSITY OF CALIFORNIA, SANTA CRUZ

## Schedule of Classes



1156 High Street  
Santa Cruz, CA 95064

**Fall 2006**

Web site: [reg.ucsc.edu/soc](http://reg.ucsc.edu/soc)

The detailed entry for each course offering appearing in this schedule is based on information submitted by the sponsoring agency prior to the beginning of the quarter. Updated information is available on the web in the online *Schedule of Classes* at [reg.ucsc.edu/soc](http://reg.ucsc.edu/soc). Courses listed in this *Schedule of Classes* are subject to change through normal academic channels. New proposals and changes are initiated by the appropriate course sponsoring agency and approved through the appropriate dean and the Committee on Educational Policy or the Graduate Council. Scheduling changes that occur after publication of the schedule will appear correctly in the online *Schedule of Classes*.

### **Keep Records!**

In order to fulfill your responsibility for planning your education, you should keep an up-to-date academic portfolio containing the following kinds of information:

- transcripts from all schools attended;
- test results from entrance exams, language exams, placement exams, and advanced placement;
- copies of communications to and from the university;
- contact information for your advisers and faculty members;
- statements of account showing registration, housing, and other charges and payments.

You are responsible for responding to all communications sent to you by the university.

Check the MyUCSC portal and your UCSC e-mail account often.

Make use of the *UCSC General Catalog*, *Schedule of Classes*, and *The Navigator* undergraduate handbook, found online at [reg.ucsc.edu](http://reg.ucsc.edu), or the *Graduate Student Handbook*, at [grad.ucsc.edu/handBook.html](http://grad.ucsc.edu/handBook.html).

## 1 Critical Dates and Deadlines

Academic and Administrative Calendar: pages 6–7

## 2 Academic Advising

**Undergraduate students:** meet with your college academic preceptor, department faculty, and staff advisers as needed.

## 3 Classes

How to read the class listings: page 77  
Class listings begin: page 78  
Final exam schedule: page 8

## 4 Placement Exams

Placement exam schedule: page 10

## 5 Enrollment

Appointment schedules: page 14  
Access to enrollment: page 15

## 6 Registration Fee Payment

Bills mailed and viewable on the MyUCSC portal: August 21, 2006

Payment due: September 13, 2006

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## ONLINE RESOURCES

### A–Z Index

[www.ucsc.edu](http://www.ucsc.edu)

### Academic & Administrative Calendar

[reg.ucsc.edu/calendar](http://reg.ucsc.edu/calendar)

### Advance Course Information

[reg.ucsc.edu/soc/aci](http://reg.ucsc.edu/soc/aci)

### Bay Tree Bookstore

[slugstore.ucsc.edu](http://slugstore.ucsc.edu)

### Course Fees

[reg.ucsc.edu/coursefees.html](http://reg.ucsc.edu/coursefees.html)

### Courses Online

[www2.ucsc.edu/courses/](http://www2.ucsc.edu/courses/)

### E-mail Accounts

[its.ucsc.edu/services/help\\_desk](http://its.ucsc.edu/services/help_desk)

### Navigator

[reg.ucsc.edu/Navigator](http://reg.ucsc.edu/Navigator)

### Office of the Registrar

[reg.ucsc.edu](http://reg.ucsc.edu)

### Schedule of Classes

[reg.ucsc.edu/soc](http://reg.ucsc.edu/soc)

### Transfer Course Agreements

[www.assist.org](http://www.assist.org)

### UCSC General Catalog

[reg.ucsc.edu/catalog](http://reg.ucsc.edu/catalog)

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## ENROLLMENT

### Key Dates for Registration and Enrollment

(Refer to the Academic and Administrative Calendar for complete deadline information.)

#### Priority Enrollment

Continuing and Readmitted Students

May 17 – 31 \*

#### Open Enrollment

June 1 – September 20 \*

#### Registration Fees Due

September 13 \*\*

#### Enrollment Deadline

September 25†

#### Permission Numbers Required

September 30

#### Add/Drop/Swap

September 21 – October 11

#### Grade Option Deadline

October 11

#### Withdraw from a Class

October 12 – November 1

#### Add by Petition Period

October 12 – November 1

\* For information on new student enrollment, see page 13.

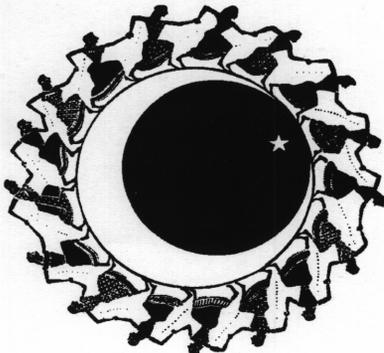
\*\* If payment is not received by the cashier by 4:00 P.M., you will be dropped from your courses and assessed a \$50 late fee.

† You must be enrolled in at least one course or the \$50 late enrollment fee is assessed.

## ADVERTISEMENT

“Pessimism of the intellect . . . Optimism of the will.”—Gramsci

# UCSC Rape Prevention Education



graphic by Dorothy Dobbyn

workshops • films • theater  
self-defense • verbal assertiveness  
counseling • advocacy  
safety tips • reference library  
media critique • peer educators

[www2.ucsc.edu/rape-prevention](http://www2.ucsc.edu/rape-prevention)

♀ *Together we can make a difference!* ♂

# ACADEMIC AND ADMINISTRATIVE CALENDAR 2006-07

Please read and follow registration and enrollment instructions and deadlines contained in this schedule. It is the student's responsibility to pay fees, enroll in classes, confirm enrollments and grading options, and file petitions by the stated deadlines.

Key Dates	Fall '06	Winter '07	Spring '07	Fall '06	Winter '07	Spring '07	
<b>QUARTER BEGINS</b>	Sept 16 Sat	Jan 3 Wed	Apr 2 Mon	<b>BILLING STATEMENTS MAILED/AVAILABLE ONLINE</b> including registration and housing fees.	Aug 21 Mon	Nov 27 Mon	Feb 26 Mon
<b>ORIENTATION</b> See fall orientation schedule for details.				<b>HOUSING FEES DUE</b> Cashier's Office.	Sept 13 Wed	Dec 20 Wed	Mar 20 Tues
<b>INSTRUCTION BEGINS</b>	Sept 21 Thur	Jan 4 Thur	Apr 3 Tues	<b>UNDERGRADUATE REGISTRATION FEES DUE</b> Late registration fee of \$50 assessed after this date. Cashier's Office.	Sept 13 Wed	Dec 20 Wed	Mar 20 Tues
<b>HOLIDAYS</b> (falling within the quarter)	Nov 10, 23, 24 Fri, Thur, Fri	Jan 15, Feb 19 Mon, Mon	May 28 Mon	<b>STUDENT HEALTH INSURANCE</b> Deadline to apply for waiver. Cowell Student Health Center.	Sept 16 Sat	Jan 3 Wed	Apr 2 Mon
<b>INSTRUCTION ENDS</b>	Dec 1 Fri	Mar 15 Thur	June 8 Fri	<b>ADD/DROP/SWAP CLASSES BEGINS</b> Minimum/maximum credit limits enforced. Enrollment blocked if registration fees not paid.	Sept 21 Thur	Jan 4 Thur	Apr 3 Tues
<b>FINAL EXAMINATIONS</b>	Dec 4-7 Mon-Thur	Mar 19-22 Mon-Thur	June 11-14 Mon-Thur	<b>ENROLLMENT DEADLINE</b> Students must be enrolled in one class by this date, or \$50 late enrollment fee assessed.	Sept 25 Mon	Jan 8 Mon	Apr 5 Thur
<b>QUARTER ENDS</b>	Dec 7 Thur	Mar 22 Thur	June 14 Thur	<b>GRADUATE STUDENT REGISTRATION FEES DUE</b> \$50 late fee after this date. Cashier's Office.	Sept 29 Fri	Jan 12 Fri	Apr 11 Wed
<b>COMMENCEMENTS</b>			June 15-17 Fri-Sun	<b>REQUEST FOR NON-RELEASE OF PUBLIC INFORMATION</b> Deadline to have information excluded from the online student directory.	Sept 29 Fri	Jan 12 Fri	Apr 11 Wed
<b>HOLIDAYS</b> (not falling within the quarter)	Sept 4, Dec 25, 26, 29, Jan 1, Mar 30, July 4 Mon, Mon, Tues, Fri, Mon, Fri, Wed			<b>GRADUATE STUDENT PART-TIME PROGRAM</b> Deadline to apply for a reduced class load and fees. Department.	Sept 30 Sat	Jan 13 Sat	Apr 12 Thur
<b>CAMPUS CLOSURE DATES</b> The campus is closed from Saturday, December 23 through Monday, January 1.				<b>CLASS PERMISSION NUMBERS REQUIRED</b>	Oct 11 Wed	Jan 25 Thur	Apr 23 Mon

## Advising and Advance Enrollment

	Fall '06	Winter '07	Spring '07
<b>Continuing and Readmitted Students</b>			
<b>ADVISING WEEK</b> Continuing and readmitted undergraduates.	May 10-16 Wed-Tues	Nov 2-9 Thur-Thur	Feb 15-22 Thur-Thur
<b>PRIORITY ENROLLMENT</b> Continuing and readmitted students, by appointment.	May 17- May 26 Wed-Wed	Nov 13-22 Mon-Wed	Feb 23-Mar 6 Fri-Tues
<b>OPEN ENROLLMENT</b> Continuing and readmitted students.	May 27-Sept 20 Thur-Wed	Nov 23-Jan 3 Thur-Wed	Mar 7-Apr 2 Wed-Mon

	Fall '06	Winter '07	Spring '07
<b>New Students</b>			
<b>PRIORITY ENROLLMENT</b> New graduate students.	June 22 Thur		
New undergraduate summer orientation attendees, by reservation. Reservations made through the Orientation Programs Office.	July 18-29 Tues-Sat		
New undergraduates who did not attend summer orientation.	July 31 Mon		
<b>OPEN ENROLLMENT</b> New students	Aug 1-Sept 20 Tues-Wed		

<b>ADD/DROP/SWAP CLASSES BEGINS</b> Minimum/maximum credit limits enforced. Enrollment blocked if registration fees not paid.	Sept 21 Thur	Jan 4 Thur	Apr 3 Tues
<b>ENROLLMENT DEADLINE</b> Students must be enrolled in one class by this date, or \$50 late enrollment fee assessed.	Sept 25 Mon	Jan 8 Mon	Apr 5 Thur
<b>GRADUATE STUDENT REGISTRATION FEES DUE</b> \$50 late fee after this date. Cashier's Office.	Sept 29 Fri	Jan 12 Fri	Apr 11 Wed
<b>REQUEST FOR NON-RELEASE OF PUBLIC INFORMATION</b> Deadline to have information excluded from the online student directory.	Sept 29 Fri	Jan 12 Fri	Apr 11 Wed
<b>GRADUATE STUDENT PART-TIME PROGRAM</b> Deadline to apply for a reduced class load and fees. Department.	Sept 29 Fri	Jan 12 Fri	Apr 11 Wed
<b>CLASS PERMISSION NUMBERS REQUIRED</b>	Sept 30 Sat	Jan 13 Sat	Apr 12 Thur
<b>ADD/DROP/SWAP CLASSES ENDS</b> Deadline to process enrollment transactions.	Oct 11 Wed	Jan 25 Thur	Apr 23 Mon
<b>GRADE OPTION</b> Deadline to change grade option.	Oct 11 Wed	Jan 25 Thur	Apr 23 Mon
<b>UNDERGRADUATE PART-TIME PROGRAM</b> Deadline to apply for a reduced class load and fees. Office of the Registrar.	Oct 11 Wed	Jan 25 Thur	Apr 23 Mon
<b>ADD BY PETITION BEGINS</b> First day to add a class by petition (\$10 fee). Office of the Registrar.	Oct 12 Thur	Jan 26 Fri	Apr 24 Tues
<b>UNDERGRADUATE WITHDRAW FROM A CLASS BEGINS</b> Students receive a W (Withdraw) notation. College.	Oct 12 Thur	Jan 26 Fri	Apr 24 Tues
<b>DECLARATION/CHANGE OF MAJOR/MINOR</b> Deadline to file petition to be effective for enrollment the following quarter. College/Department.	Oct 25 Wed	Jan 31 Wed	Apr 25 Wed
<b>CHANGE OF COLLEGE</b> Deadline to file petition to be effective the following quarter. Office of the Registrar.	Nov 8 Wed	Feb 8 Thur	May 2 Wed

# ACADEMIC AND ADMINISTRATIVE CALENDAR 2006–07

Please read and follow registration and enrollment instructions and deadlines contained in this schedule. It is the student's responsibility to pay fees, enroll in classes, confirm enrollments and grading options, and file petitions by the stated deadlines.

	Fall '06	Winter '07	Spring '07	Summer '07
<b>UNDERGRADUATE WITHDRAW FROM A CLASS ENDS</b> Deadline to drop with a W (Withdraw) notation, except for emergency reasons. College.	Nov 1 Wed	Feb 16 Fri	May 14 Mon	
<b>WITHDRAW FROM THE UNIVERSITY</b> Deadline to file to withdraw during the quarter, except for emergency reasons. College/Division of Graduate Studies.	Nov 1 Wed	Feb 16 Fri	May 14 Mon	
<b>UNDERGRADUATE CREDIT BY PETITION ENDS</b> Deadline to file petition to challenge a class (\$10 fee). Office of the Registrar.	Nov 1 Wed	Feb 15 Thur	May 14 Mon	
<b>ADD BY PETITION ENDS</b> Deadline to add a class by petition (\$10 fee). Office of the Registrar.	Nov 1 Wed	Feb 15 Thur	May 14 Mon	
<b>UNDERGRADUATE REMOVAL OF INCOMPLETE</b> Deadline to file petition (\$10 fee) and submit class work for Incomplete grade from preceding quarter. Office of the Registrar.	Dec 7 Thur	Mar 22 Thur	June 14 Thur	
<b>GRADUATE STUDENT REMOVAL OF INCOMPLETE</b> Deadline to file petition (\$10 fee) and submit class work for Incomplete grade within the last three quarters. Office of the Registrar.	Dec 7 Thur	Mar 22 Thur	June 14 Thur	
<b>LEAVE OF ABSENCE</b> Deadline to petition for leave beginning the next quarter. College/Division of Graduate Studies.	Dec 7 Thur	Mar 22 Thur	Aug 31 Fri	
<b>GRADES DUE</b> From instructors.	Dec 12 Tues	Mar 27 Tues	June 19 Tues	
<b>EVALUATIONS DUE</b> From instructors.	Jan 8 Mon	Apr 13 Fri	July 6 Fri	

## Announcing Candidacy for Degree/Graduation

	Fall '06	Winter '07	Spring '07	Summer '07
<b>GRADUATE STUDENTS</b> Deadline to announce for certificate, master's, or Ph.D., or pay for filing fee, if applicable.	Oct 6 Fri	Jan 12 Fri	Apr 13 Fri	June 22 Fri
<b>UNDERGRADUATES</b> Deadline to announce for bachelor's degree.	Oct 25 Wed	Jan 31 Wed	Apr 25 Wed	July 31 Tues
<b>GRADUATE STUDENTS</b> Deadline to complete all requirements for degree. * Students not participating in June commencement have until June 15 to complete all requirements for degree.	Dec 7 Thur	Mar 22 Thur	May 25* Fri	Aug 31 Fri
<b>UNDERGRADUATES</b> Deadline to complete all requirements for degree and for the Office of the Registrar to receive transcripts from other institutions.	Dec 7 Thur	Mar 22 Thur	June 14 Thur	Aug 31 Fri

## Intercampus Visitor/Exchange Programs

<b>UNDERGRADUATES</b> Deadline. Office of the Registrar.	Apr 30	Oct 31	Jan 31 (Oct 1, UC Berkeley, UC Merced)
<b>GRADUATE STUDENTS</b> Deadline to file application. Division of Graduate Studies.	Aug 15 (Apr 30, 2006, UC Berkeley, UC Merced)	Nov 15	Feb 15

## Financial Aid

### FINANCIAL AID APPLICATION FOR UNDERGRADUATES

- File the free Application for Federal Student Aid (FAFSA) by March 1 prior to each fall quarter:  
for enrollment in fall 2006, file by March 1, 2006  
for enrollment in fall 2007, file by March 1, 2007
- Complete financial aid file by providing all supporting documentation requested by the Financial Aid Office by May 1 of each year (prior to each fall quarter).
- Applications filed after the March 1 priority deadline will be considered, but not for state or institutional grants.

### SCHOLARSHIP DEADLINE FOR CONTINUING STUDENTS

February 1 prior to each fall quarter.

### FINANCIAL AID APPLICATION FOR GRADUATES

Contact your academic department.

## Readmission

Fall '06	Winter '07	Spring '07
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### READMISSION APPLICATION Undergraduates

Filing deadline for priority enrollment.  
Office of Admissions.

Apr 1, 2006 Sat	Oct 1, 2006 Sun	Jan 1, 2007 Mon
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### READMISSION APPLICATION FINAL FILING DEADLINE

Undergraduates: Office of Admissions.  
Graduates: Division of Graduate Studies.

July 31, 2006 Mon	Oct 31, 2006 Tues	Jan 31, 2007 Wed
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For more information on procedures and deadlines, including links to the UCSC *General Catalog* and *Navigator Undergraduate Handbook*, go to [reg.ucsc.edu](http://reg.ucsc.edu).

Graduate students may also refer to the *Graduate Student Handbook* at [graddiv.ucsc.edu](http://graddiv.ucsc.edu).

A printable version of this calendar is available at [reg.ucsc.edu/calendar/06\\_07/calendar.pdf](http://reg.ucsc.edu/calendar/06_07/calendar.pdf); for key dates, go to [reg.ucsc.edu/keydates2006\\_07.pdf](http://reg.ucsc.edu/keydates2006_07.pdf).

# FINAL EXAMINATION POLICIES AND SCHEDULE

## Final Examinations

Final examinations are given during the exam week period at the time announced in the Schedule of Classes, usually in the same room used for class meetings during the quarter. Final examinations are required in all undergraduate courses unless the department or other agency sponsoring the course has obtained permission from the Committee on Educational Policy to evaluate students in another manner. No change in the time or date of a final examination may occur unless the course sponsoring agency has obtained the approval

of the Committee on Educational Policy. When finals are administered, they must be completed at the scheduled exam time and may not require more than the scheduled three-hour time block. If a take-home examination is not assigned until the week designated for final exams, it cannot require more than three hours to complete.

Many students prefer enrolling in courses so as to avoid more than two final examinations on the same day. Instructors may bar students from taking the examination if they arrive late. If a student misses an

examination due to a documented illness or other emergency, the instructor may agree to give an incomplete and schedule a makeup examination provided that the student's work is passing up to that point. When a final examination is one of the regular requirements in a course, no one taking the course may be individually exempted from it. Travel plans for vacation are not an emergency, and should not be made without checking the final examination schedule.

## Closed Week

No examinations or tests other than laboratory exams or individual makeup exams may be given during the last week of instruction.

## Examination Retention

An instructor may release to individual students the original final examinations (or copies). Otherwise, the instructor will retain final examination materials at least until the end of the next regular term. During that time students will be allowed to review their examinations.

## Religious Observance

Given the diversity of religious practice within the campus community, academic and administrative units are encouraged to make reasonable accommodation when the schedule of a required campus event conflicts with an individual's religious creed. It is the official policy of the University of California, Santa Cruz, to accommodate, without penalty, requests for alternate examination times in cases where the scheduled time for the examination violates a student's religious creed.

Requests for accommodation for religious observance must be made directly to the faculty member in charge of the course within the first two weeks of the term or as soon as possible after an examination date is announced. Instructors are expected to make reasonable accommodation for such requests. Students who are unable to reach a satisfactory arrangement with an instructor should consult the head of the unit sponsoring the course or the campus ombudsman.

## Accommodations for Disability

Students with registered disabilities that require examination modifications will be accommodated in compliance with state and federal laws. Reasonable accommodations will be made based on recommendations from the Disability Resource Center.

## Fall 2006 Final Examination Schedule

Class	Start	Exam Date	Exam Times
MWF	8:00 A.M.	Tuesday, Dec. 5	12:00–3:00 P.M.
MWF	9:30 A.M.	Tuesday, Dec. 5	8:00–11:00 A.M.
MWF	11:00 A.M.	Monday, Dec. 4	4:00–7:00 P.M.
MWF	12:30 P.M.	Wednesday, Dec. 6	4:00–7:00 P.M.
MWF	2:00 P.M.	Thursday, Dec. 7	12:00–3:00 P.M.
MWF	3:30 P.M.	Wednesday, Dec. 6	12:00–3:00 P.M.
MW	5:00 P.M.	Thursday, Dec. 7	4:00–7:00 P.M.
MW	7:00 P.M.	Monday, Dec. 4	7:30–10:30 P.M.
TuTh	8:00 A.M.	Monday, Dec. 4	8:00–11:00 A.M.
TuTh	10:00 A.M.	Monday, Dec. 4	12:00–3:00 P.M.
TuTh	12:00 noon	Tuesday, Dec. 5	4:00–7:00 P.M.
TuTh	2:00 P.M.	Thursday, Dec. 7	8:00–11:00 A.M.
TuTh	4:00 P.M.	Wednesday, Dec. 6	8:00–11:00 A.M.
TuTh	6:00 P.M.	Tuesday, Dec. 5	7:30–10:30 P.M.
Non-Standard 1*		Wednesday, Dec. 6	7:30–10:30 P.M.
Non-Standard 2**		Thursday, Dec. 7	7:30–10:30 P.M.

\*Non-Standard 1: classes which have their first meeting M or W or F and do not begin at 8:00 A.M., 9:30 A.M., 11:00 A.M., 12:30 P.M., 2:00 P.M., 3:30 P.M., 5:00 P.M., or 7:00 P.M.

\*\*Non-Standard 2: classes which have their first meeting T or Th and do not begin at 8:00 A.M., 10:00 A.M., 12:00 noon, 2:00 P.M., 4:00 P.M., or 6:00 P.M.

## Fall 2006 Final Exam Schedule by Time Block

Exam Day/ Exam Time	Monday December 4	Tuesday December 5	Wednesday December 6	Thursday December 7
Exam Period 8:00–11:00 A.M.	Tues, Thur 8:00 A.M.	Mon, Wed, Fri 9:30 A.M.	Tues, Thur 4:00 P.M.	Tues, Thur 2:00 P.M.
Exam Period 12:00–3:00 P.M.	Tues, Thur 10:00 A.M.	Mon, Wed, Fri 8:00 A.M.	Mon, Wed, Fri 3:30 P.M.	Mon, Wed, Fri 2:00 P.M.
Exam Period 4:00–7:00 P.M.	Mon, Wed, Fri 11:00 A.M.	Tues, Thur 12:00 P.M.	Mon, Wed, Fri 12:30 P.M.	Mon, Wed 5:00 P.M.
Exam Period 7:30–10:30 P.M.	Mon, Wed 7:00 P.M.	Tues, Thur 6:00 P.M.	Non-Standard 1	Non-Standard 2

## FINAL EXAMINATION POLICIES AND SCHEDULE

### Spring 2006 Final Examination Schedule

Class	Start	Exam Date	Exam Times
MWF	8:00 A.M.	Tuesday, June 13	4:00–7:00 P.M.
MWF	9:30 A.M.	Tuesday, June 13	7:30–10:30 P.M.
MWF	11:00 A.M.	Thursday, June 15	12:00–3:00 P.M.
MWF	12:30 P.M.	Thursday, June 15	4:00–7:00 P.M.
MWF	2:00 P.M.	Monday, June 12	12:00–3:00 P.M.
MWF	3:30 P.M.	Monday, June 12	8:00–11:00 A.M.
MW	5:00 P.M.	Monday, June 12	4:00–7:00 P.M.
MW	7:00 P.M.	Wednesday, June 14	4:00–7:00 P.M.
TuTh	8:00 A.M.	Monday, June 12	7:30–10:30 P.M.
TuTh	10:00 A.M.	Wednesday, June 14	12:00–3:00 P.M.
TuTh	12:00 noon	Tuesday, June 13	12:00–3:00 P.M.
TuTh	2:00 P.M.	Tuesday, June 13	8:00–11:00 A.M.
TuTh	4:00 P.M.	Thursday, June 15	8:00–11:00 A.M.
TuTh	6:00 P.M.	Wednesday, June 14	8:00–11:00 A.M.
Non-Standard 1*		Thursday, June 15	7:30–10:30 P.M.
Non-Standard 2**		Wednesday, June 14	7:30–10:30 P.M.

\*Non-Standard 1: classes which have their first meeting M or W or F and do not begin at 8:00 A.M., 9:30 A.M., 11:00 A.M., 12:30 P.M., 2:00 P.M., 3:30 P.M., 5:00 P.M., or 7:00 P.M.

\*\*Non-Standard 2: classes which have their first meeting T or Th and do not begin at 8:00 A.M., 10:00 A.M., 12:00 noon, 2:00 P.M., 4:00 P.M., or 6:00 P.M.

## ADVERTISEMENT

# Career Center

305 Bay Tree Building, 3rd Floor

### Career Center Services:

- Career Advising
- Workshops
- Graduate School Services
- Computer Lab
- On-Campus Recruiting
- Career Positions
- Internships
- Resource Library
- On- and Off-Campus (Part-time Jobs)

### Special Events:

#### *Graduate and Professional School Fair*

Monday, October 23, 2006 • 11:00 A.M. to 3:00 P.M. • West Field House, College Eight  
[http://www2.ucsc.edu/careers/events/grad\\_fair.html](http://www2.ucsc.edu/careers/events/grad_fair.html)

#### *Business, Science and Technology Job & Internship Fair*

TBA

(831) 459-4420 • FAX (831) 459-4018 • [www2.ucsc.edu/careers/](http://www2.ucsc.edu/careers/)

## PLACEMENT EXAMS

Language placement exams are necessary for students who have not passed the prerequisite UCSC course. Students do not take a placement exam when enrolling at level 1 in a language they have never studied, EXCEPT FOR SPANISH. Students must take the placement exam to gain entry into Spanish level 1. Students who have had language instruction prior to UCSC must take the placement exam if they intend to continue study in that language.

### ARABIC LANGUAGE

No placement exam is required for Arabic 1.

### BIOLOGY

See web site for information:

[www.biology.ucsc.edu/ugl/advising/gs\\_bioplacex.html](http://www.biology.ucsc.edu/ugl/advising/gs_bioplacex.html)

### CHEMISTRY & BIOCHEMISTRY

May 16, 17, 5:30–9:30 P.M., 103 Ming Ong Lab  
Sept. 19, 20, 1:00–5:00 P.M., Sept. 21, 5:30–9:00 P.M., 123 Social Science 1.

### CHINESE LANGUAGE

See the Chinese instructors during their office hours for placement. Check at 239 Cowell for faculty locations. Approximately 15 minutes to complete interview-style placement exam.  
Sept. 19, 1:00–2:00 P.M., see faculty in 212 or 219 Cowell.

### ENVIRONMENTAL STUDIES

Ecology waiver exam, Sept. 19, 1:00–3:00 P.M., 417 ISB. E-mail [jmrice@ucsc.edu](mailto:jmrice@ucsc.edu) to reserve space.

### FRENCH LANGUAGE

See French instructors during office hours for placement. Check at 239 Cowell for faculty locations.  
Sept. 19, 1:00–2:00 P.M., 131 Cowell. Orientation begins promptly at 1:00 P.M., (15-minute interview and orientation to French study at UCSC); individual exams begin immediately after the orientation.

### GERMAN LANGUAGE

See the German instructors during their office hours for placement. Check at 239 Cowell for faculty locations. Approximately 15 minutes to complete the interview-style placement exam.  
Sept. 19, 1:00–2:00 P.M., see faculty, 202 Crown.

### GREEK LANGUAGE

No placement exam is required for Greek 1.

### HEBREW LANGUAGE

Call the Language Program, 459-2054, for information.

### HINDI LANGUAGE

No placement exam is required for Hindi 1.

### ITALIAN LANGUAGE

See Italian instructors during office hours for placement. Check at 239 Cowell for faculty locations.

### JAPANESE LANGUAGE

See the Japanese instructors during their office hours for placement. Check at 239 Cowell for faculty locations.  
Sept. 19, 1:00–2:30 P.M., 223 Cowell. Arrive promptly at 1:00 P.M.. Written exam and short oral interview.

### LATIN LANGUAGE

No placement exam is required for Latin 1.

### MUSIC

Core Curriculum Placement Exam Sept. 19, 10:00 A.M.–12:30 P.M., Music Center Recital Hall.

### PORTUGUESE LANGUAGE

No placement exam is necessary for entry into Portuguese 1A or 60A.

### RUSSIAN LANGUAGE

Call Language Program, 459-2054, for information.

### SPANISH LANGUAGE

The placement exam is an online exam and can be taken at any time. The URL is: [www.ic.ucsc.edu/~test/](http://www.ic.ucsc.edu/~test/). **Note:** It takes three to four days to post exam results. Make sure you complete the placement exam a minimum of one week prior to your designated appointment time for Advance Enrollment.

### SPANISH FOR SPANISH SPEAKERS

See information posted at 122 Crown.

### WRITING

Placement Exams:

Sept. 17, 1:00–3:00 P.M., in all of the following rooms: Media Theater, 206 Earth and Marine Sciences, and 105 Oakes.

Nov. 18, 10:30 A.M.–12:30 P.M., in all of the following rooms: Media Theater, 206 Earth and Marine Sciences, Classroom Unit 1, Classroom Unit 2, and 3 Thimann Lecture Hall.

## ADVERTISEMENT

# got problem?

*“Thank you for your mediation effort the other day. I think it was really helpful and I look forward to a turn for the better.”*

- ◆ grade?
- ◆ roommate?
- ◆ co-worker?
- ◆ policy?
- ◆ procedure?

*“Thank you for your quick action on my note regarding the dorm move-out day. I was able to extend my stay which was very helpful to us.”*

## Maybe we can help!

The Campus Ombuds assists all members of the campus community with **informal** resolution of any UCSC-related complaint or problem, considering all sides of the question in an **impartial** way. An **independent** and **confidential** resource for students, faculty, staff, parents & alumni.

[www2.ucsc.edu/ombudsman](http://www2.ucsc.edu/ombudsman)

Contact Laurie McCann, Campus Ombuds ♦ [lmccann@ucsc.edu](mailto:lmccann@ucsc.edu) ♦ 489 McHenry Library ♦ 831.459.2073

## ORIENTATIONS AND PLACEMENT EXAMS

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### Department Orientations

#### AMERICAN STUDIES

Sept. 19, 10:00–11:00 A.M., 233 Oakes

#### ANTHROPOLOGY

Sept. 19, 9:00 A.M.–12:00 noon,  
110 Social Sciences 1

#### ART

Sept. 19, 10:00 A.M.–12:00 noon,  
D-101 Baskin Visual Arts Seminar Room

#### BIOMOLECULAR ENGINEERING (BIOINFORMATICS)

(See School of Engineering)

#### BIOLOGICAL SCIENCES

Sept. 19, 10:00–11:00 A.M., 240 Physical  
Sciences Building.

#### CHEMISTRY AND BIOCHEMISTRY

Sept. 19, 10:00–11:00 A.M., 240 Physical  
Sciences Building

#### COMMUNITY STUDIES

Sept. 19, 10:00–11:30 A.M.,  
105 Oakes

#### COMPUTER ENGINEERING

(See School of Engineering)

#### COMPUTER SCIENCE

(See School of Engineering)

#### DUAL DEGREE

Sept. 19, 9:00–10:15 A.M., 192 Engineering 2

#### EARTH SCIENCES

Sept. 19, 11:00 A.M.,  
D258 Earth and Marine Sciences

#### ECONOMICS

Sept. 19, 9:30–11:00 A.M.,  
101 Engineering Lecture

#### ELECTRICAL ENGINEERING

(See School of Engineering)

#### ENVIRONMENTAL STUDIES

Frosh: Sept. 19, 9:00–10:00 A.M., 221 ISB

Transfers: Sept. 19, 10:00–11:00 A.M., 221 ISB.

Advising fair: Wednesday, Sept. 20, 10 A.M.–12  
noon, 221 ISB.

#### FEMINIST STUDIES

Sept. 19, 11:00 A.M.–12:30 P.M., 327 Kresge

#### FILM AND DIGITAL MEDIA

Sept. 19, 10:00 A.M.–12:00 noon, 150 Comm-  
unications (Studio C)

#### HISTORY

Sept. 19, 10:00–11:30 A.M., Baobab Lounge,  
Merrill College

#### HISTORY OF ART AND VISUAL CULTURE

Sept. 19, 10:00–11:00 A.M., 248 Porter Academy

#### INFORMATION SYSTEMS MANAGEMENT

(See School of Engineering)

#### INFORMATION SCIENCES CLUSTER

(See School of Engineering)

#### LATIN AMERICAN AND LATINO STUDIES

Sept. 19, 11:30 A.M.–12:30 noon, Charles E. Mer-  
rill Lounge

#### LEGAL STUDIES

Sept. 19, 9:00–10:00 A.M.,  
Charles E. Merrill Lounge

#### LINGUISTICS

Sept. 19, 10:00–11:00 A.M., 131 Cowell

#### LITERATURE

Sept. 19, 10:00–11:30 A.M., 321 Kresge

#### MUSIC

Sept. 19, 9:00–9:45 A.M., Music Center  
Recital Hall

#### PHYSICS

Sept. 19, 10:00 A.M.–12:00 noon,  
101 Natural Sciences

#### POLITICS

Sept. 19, 10:15–11:15 A.M.,  
Charles E. Merrill Lounge

#### PSYCHOLOGY

Sept. 19, frosh, 9:00–10:00 A.M., junior transfers,  
10:00–11:00 A.M., 3 Thimann Lecture Hall  
Psychology Faculty Advising Fair: Sept. 19,  
1:30–3:00 P.M., outside Social Sciences 2

#### SCHOOL OF ENGINEERING

Biomolecular Engineering (Bioinformatics), Com-  
puter Engineering, Computer Science, Electrical  
Engineering, Information Systems Management,  
and Information Sciences cluster

Freshmen: Sept. 19, 10:30 A.M.–12:00 noon, 152  
Jack Baskin

Transfer students: Sept. 19, 10:30 A.M.–12:00 noon,  
192 Engineering 2

#### SOCIOLOGY

Sept. 19, 10:00 A.M.–12:00 noon, 240 College  
Eight

#### THEATER ARTS

Sept. 19, 10:00 A.M.–12:00 noon, J102 Theater  
Arts

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### College Orientations

#### COLLEGE EIGHT

Please refer to the College Eight Welcome Mailing  
for information about College Eight Academic  
Orientations and Freshman Core Course enroll-  
ment. A college-specific Academic Orientation  
will be required of all College Eight students.

#### COLLEGE NINE

Refer to your college orientation materials for  
schedule.

#### COLLEGE TEN

Refer to your college orientation materials for  
schedule.

#### COWELL COLLEGE

Please refer to the Cowell College orientation  
materials that you will receive from the college.

#### CROWN COLLEGE

Location to be announced in college orientation  
handbook.

#### KRESGE COLLEGE

Please refer to the Kresge College orientation  
materials for scheduled time and location.

#### MERRILL COLLEGE

Please refer to the Merrill College orientation  
materials that you will receive from the college.

#### OAKES COLLEGE

See Oakes College orientation materials sent in  
August for a complete schedule.

#### PORTER COLLEGE

Refer to your college orientation materials for the  
schedule.

#### STEVENSON COLLEGE

Please consult your August mailing from the College  
for specific times and locations.

## ENROLLMENT CONDITIONS

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### Enrollment Conditions for Interview Only Courses

Listed below are instructions for students wishing to enroll in Interview Only courses. These courses are identified with a Y in the consent-required column of the *Schedule of Classes*. Students wishing to enroll in these classes need to receive a permission number from the sponsoring agency or instructor.

#### **BIOL 15, 75, 183F, 183L, 185F, 185L, 186F, 186L, 189**

Consult the Biological Sciences web site, [www.biology.ucsc.edu/uglconditions.html](http://www.biology.ucsc.edu/uglconditions.html).

#### **CMMU 100E, 100F, 100K, 100X**

Admission determined at first class meeting. Please see department bulletin board for more information.

#### **CRWN 150A**

By consent of instructor.

#### **CRWN 185**

For students intending to participate in an internship before graduation. Contact instructor at 459-3973, or by e-mail at [bsilver@ucsc.edu](mailto:bsilver@ucsc.edu).

#### **ECON 184**

By permission of instructor only. Contact instructor via e-mail: [nuclear@ucsc.edu](mailto:nuclear@ucsc.edu).

#### **ENVS 130L**

Sign up for lab at first class meeting.

#### **FILM 150, 170A**

Application materials and instructions are available at the department office beginning May 1.

#### **FILM 170B**

Application materials explain application process and entrance essay and are available at the department office beginning May 1.

#### **FILM 172, 175, 178A**

Application materials and instructions are available at the department office beginning May 1. Priority will be given to students who have been accepted into the production concentration through the portfolio review.

#### **FMST 194G**

Contact the professor for interview information.

#### **FMST 196**

Interview with professor by May 20.

#### **LTCR 52, 53**

Please bring a three- to seven-page writing sample to the first class meeting.

#### **MERR 85A, 85B**

Contact Merrill College classroom connection coordinator at 459-2144 for permission to enroll. Preference given to Merrill College students.

#### **MUSC 1C, 2, 3, 6, 9, 102, 164, 165, 166, 168**

For audition/enrollment information, please check bulletin board outside 127 Music Center beginning September 19.

#### **MUSC 4A-B, 5A-B-C, 30L, 51, 54**

Admission by instructor determination at first class meeting.

#### **MUSC 30A**

Admission by taking the Music Core Curriculum Placement Exam (given Sept. 19, 10:00 A.M. –12:30 P.M., Music Center Recital Hall).

#### **MUSC 60**

Admission by instructor determination at first class meeting. Priority to Music 30, 13, and 14 students. Obtain call number Sept. 21–29 from 244 Music Center. Lesson application signed by instructor required. Application forms available Sept. 19 outside 127 Music Center.

#### **MUSC 61, 62, 63, 161, 162, 196B, 261**

(Applied Instruction) Application forms available Sept. 19 outside Music Center 127. Meet instructors Sept. 19, 1:30–4:30 P.M.; see bulletin board upstairs in the Music Center for details. Obtain call number Sept. 19–29 from 244 Music Center. Lesson application signed by instructor required. Concurrent enrollment in an ensemble, with ensemble director's signature on application, required for Music 61, 52, 161, and 162.

#### **MUSC 159A-B**

Admission by permission of vocal instructor or by audition (audition information posted outside 127 Music Center beginning Sept. 19).

#### **MUSC 165, 265**

Faculty sponsor required for chamber music workshops. Audition/enrollment information posted outside 127 Music Center beginning Sept. 19. Permission number available at the **beginning of the quarter** from the Music Center Office (244 Music Center).

#### **PSYC 191A, 194A-C**

Pre-enroll at Psychology Department office, 273 Social Sciences 2. Advance preparation required.

#### **THEA 121, 124, 126**

Audition at first class meeting.

#### **THEA 151**

Contact department for audition information.

## ENROLLMENT INFORMATION

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### Student Appointment Schedule for New First-Year, Transfer and Graduate Students

#### Begin Fall Enrollment Process at Summer Orientation

Summer Orientation is your opportunity to receive early academic advising, enroll in courses, meet other new students and learn about campus resources and services at UC Santa Cruz, and get answers to your questions from faculty, staff, and continuing students. Students who attend Summer Orientation will have the option of beginning the fall 2006 enrollment process.

To attend a Summer Orientation program, you must make a reservation by mail. A reservation form is included in the Summer Orientation Reservation Brochure, which is mailed to all new first-year and transfer students who have returned their State-

ment of Intent to Register to Admissions. If you have not received a reservation brochure, contact Campus Orientations Programs at (831) 459-5468; e-mail [orientation@ucsc.edu](mailto:orientation@ucsc.edu); or visit our web site at <http://admissions.ucsc.edu/orientation06>.

New first-year and transfer students who do not attend summer orientation may enroll beginning July 31.

#### Open Enrollment

Beginning August 1, enrollment is open to all students through September 20.

#### New Graduate Student Enrollment

New graduate students may enroll beginning June 22.

**OPEN ENROLLMENT FOR NEW, FIRST-YEAR, AND TRANSFER STUDENTS: AUGUST 1–SEPTEMBER 20**

## ADVERTISEMENT

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# Get a head start on your first quarter

## through a Summer Orientation Event!

**Tuesday, July 18**

**Frosh and their families**

**Thursday, July 20**

**Frosh and their families**

**Saturday, July 22**

**Frosh and their families**

**Tuesday, July 25**

**Frosh and their families**

**Thursday, July 27**

**Frosh and their families**

**Saturday, July 29**

**Transfer students and their families**

## ENROLLMENT INFORMATION

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### Continuing Student Appointment Schedule

Students may begin enrolling for classes at the designated appointment time and continue through the end of open enrollment at midnight September 20. There are no enrollment appointments on weekends and holidays. Please see the Academic and Administrative Calendar for deadline dates.

Graduate students, students with disabilities, Regents/Leadership Opportunity/Renaissance Scholars:

**May 17**

Seniors, Visitors, EAP Reciprocity:

**May 17, 18**

Juniors:

**May 19, 22**

Sophomores:

**May 23, 24**

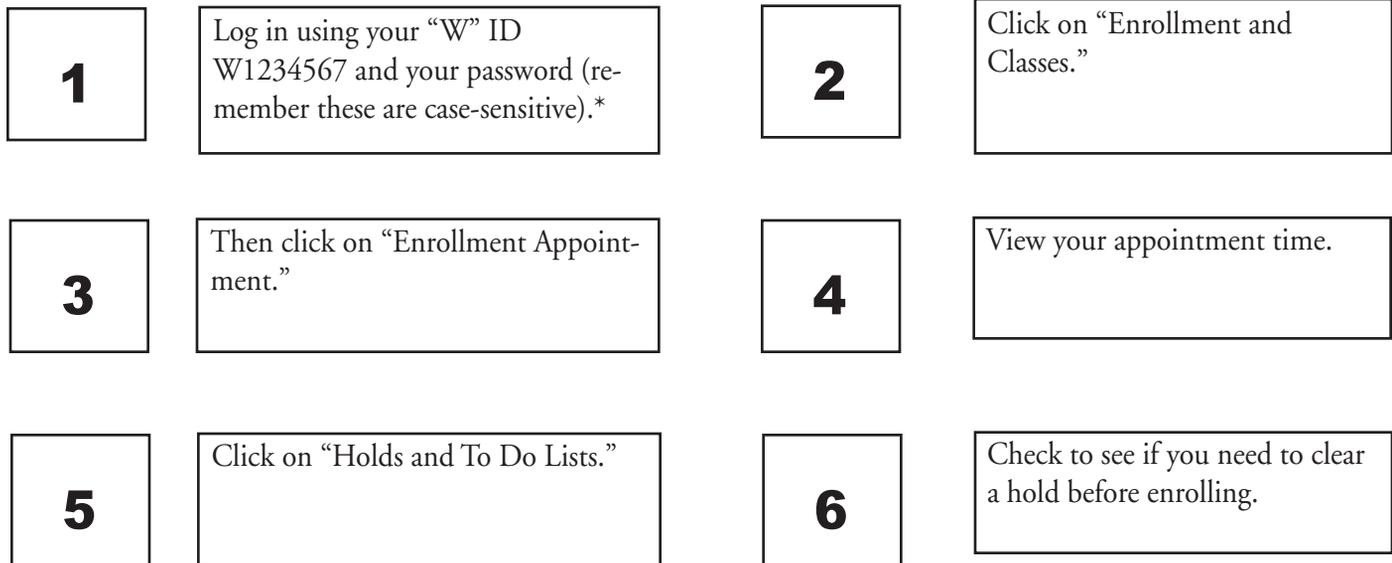
Frosh:

**May 25, 26**

Open enrollment:

**12:01 A.M., MAY 27 – 11:59 P.M., SEPTEMBER 20**

To find out your appointment time, log on to the MyUCSC portal at *my.ucsc.edu*



\*Enrollment FAQs:

<http://reg.ucsc.edu/faqs/enrollment.htm>

**OPEN ENROLLMENT FOR CONTINUING STUDENTS: MAY 27–SEPTEMBER 20**

### Determining Your Academic Level

**Freshman: 0–44.9 credits**

**Soph: 45–89.9 credits**

**Junior: 90–134.9 credits**

**Senior: 135+ credits**

# ENROLLMENT INFORMATION

## Student Responsibility

You are responsible for ensuring the accuracy of your enrollments. Your instructors, academic advisers, and the Office of the Registrar cannot enroll on your behalf. Be sure to verify your classes and grade options prior to the enrollment deadlines listed in the Academic and Administrative Calendar on pages 6–7.

## Get Prepared

Use the following helpful hints to assist you in completing your enrollment. It is recommended that you consult with your academic preceptor or major adviser prior to selecting your classes.

1. Check the listing of courses offered this quarter in this *Schedule of Classes*, and make some preliminary selections. Updated information can be found in the online schedule at [reg.ucsc.edu/soc/](http://reg.ucsc.edu/soc/).

2. Use the Schedule Planner found in this *Schedule of Classes*. Complete the planner with your preliminary selections of classes, making sure the classes you have selected do not conflict with each other or with any other time commitments (i.e., work or extracurricular activities).

3. Enter the 5-digit class numbers into the Schedule Planner. Make sure to have class numbers for mandatory sections and alternates in case the section is full.

Completing the above steps will help you to complete your enrollment.

## Holds on Enrollment

A hold may be placed on your enrollment for various reasons, including unpaid debts, junior standing without a declared major, and others. When you attempt to enroll in AIS, a hold creates an error message. Students may view their holds by logging on to the MyUCSC portal and clicking on the Holds and To Do Lists link. Information on how to remove the hold is included.

## Appointment Times

Students may view their priority enrollment appointment time by logging into the MyUCSC portal at [my.ucsc.edu](http://my.ucsc.edu) and clicking on Enrollment and Classes and then clicking on the *Enrollment Appointment* link.

## Appointment Time Problems

If you are not eligible to enroll, consider the following circumstances:

- verify your appointment time;
- if you were anticipating transfer credit to change your academic level, or if you check your credits and still believe the academic level is wrong, call the enrollment Help Line;
- if you planned to study abroad with the Education Abroad Program (EAP) but your plans have changed, contact your EAP adviser;

- if you filed an Announcement of Candidacy, and your plans have changed, reschedule your candidacy at the Office of the Registrar;
- if you are barred or disqualified, contact your college.

If you cannot determine the reason for your appointment time problem, contact the Help Line.

## Minimum/Maximum Credits

### Standard course loads for UCSC students

Undergraduate students are expected to take a minimum of 15 credits and may enroll in up to 19 credits. Graduate students are expected to enroll in at least 10 credits and no more than 19 credits. If you wish to take a non-standard course load, meet with your college academic preceptor or graduate adviser. He or she will make sure the new credit limit is entered into the system so that you can go below 15 or over 19 credits.

### When minimum credits are enforced

Prior to the start of instruction to reduce difficulties in processing exchanges, minimum credits are not enforced. Once instruction begins, you will not be able to drop below minimum credits unless you obtain approval from your academic preceptor or graduate adviser. Financial aid recipients should be cautious; certain aid will not be disbursed if enrollment is less than full-time.

### When maximum credits are enforced

Students may enroll in no more than 19 credits prior to the first day of instruction. Once instruction begins, enrolling above the maximum allowed credits (19 for both undergraduates and graduates) is only allowed with the approval of your academic preceptor or graduate adviser.

## Class Numbers

Every course has a 5-digit class number which is used for enrollment. The class number appears in the first column in the *Schedule of Classes*. A Y in the second Consent Required column indicates an Interview Only course. To enroll in one of these classes, read the section, Enrollment Conditions for Interview Only Courses, on page 11. Obtain a permission number from the instructor or department in order to enroll.

To enroll in independent study, you must first obtain a petition for independent study at the department, college, or division office. The sponsoring agency will assign a class number, and then you may enroll online.

## Requirements

### (Prerequisites and Restrictions)

- A class that has a prerequisite means that other courses must be completed or a placement exam must be satisfied before the course can be taken. Classes for which a “D,” “F,” “NP,” “W,” or “I”

is received do not satisfy prerequisite requirements.

- A class that has restrictions is available only to certain categories of students.
- Refer to Reading the Class Listings, page 39, or to the *UCSC General Catalog* to determine the prerequisites or restrictions of a class.

### Prerequisites satisfied at other institutions

If you believe course work completed at another institution satisfies a prerequisite, contact the department sponsoring the class.

## Secondary Discussion Sections/Labs

### What is a secondary discussion section/lab?

A section is a smaller discussion group or lab class which is taken as part of a credit course, but no credit is awarded. Secondary sections/labs are always listed directly below the main lecture. Not all secondary sections require enrollment.

### Swapping Sections

To swap sections it is not necessary to drop the class. Use the swap function. For more information, see [reg.ucsc.edu/staff/lais\\_info/pdf/How\\_to\\_swap.pdf](http://reg.ucsc.edu/staff/lais_info/pdf/How_to_swap.pdf).

### When the lecture or sections are closed (full)

If there is space in the lecture, but you cannot find an open section, you cannot enroll in the class. If you have a permission number for the lecture and all the sections are full, contact the course sponsoring agency for assistance.

## Concurrent Enrollment

When a note below the class title indicates concurrent enrollment, previous or concurrent enrollment in another class is required. For example, if you enroll in BIOL-169L-01, you should concurrently enroll in the associated class, which is BIOL-169-01.

The term, “concurrent enrollment,” can be confusing. Please note:

- it is not the same as a discussion section (see Secondary Discussion Sections/Labs above);
- it is not the same as concurrent enrollment through UC Extension, in which a person enrolls in a regular UCSC course as an Extension student.

## Class Permission Numbers

A class permission number is an assigned number that allows you to enroll in a class. It is specific to a class and can be used only once. Also, after an unsuccessful attempt to add a class, the number can't be used again.

**To obtain a class permission number,** consult with the instructor or department.

### What a class permission number can override

A class permission number will override course

## ENROLLMENT INFORMATION

restrictions and/or prerequisites, and it will override the closed (full) status of a class.

### What a class permission number CANNOT override

Class permission numbers cannot override time conflicts, your maximum allowed units, holds, or a closed (full) section.

### Time Conflicts

#### Why you might have a time conflict

Courses which have the same start and end times are considered a time conflict. If the printed *Schedule of Classes* does not indicate a time conflict, check online at [reg.usc.edu/soc](http://reg.usc.edu/soc) for the most up-to-date class information. Permission numbers do not override full sections.

#### How to resolve a time conflict

If your classes overlap but you believe that you can complete both classes in spite of the conflict, you should call the Office of the Registrar at 459-4412 for assistance.

### Retaining Enrollments

To retain a seat in your classes, you **must** attend the first class meeting. Instructors **may** administratively drop anyone who does not attend.

### Enrolling after Instruction Begins

Attend the first class meeting of any classes you want to add. You must obtain the instructor's permission to add the course. If necessary, the instructor will issue a class permission number.

### Verify Your Enrollments

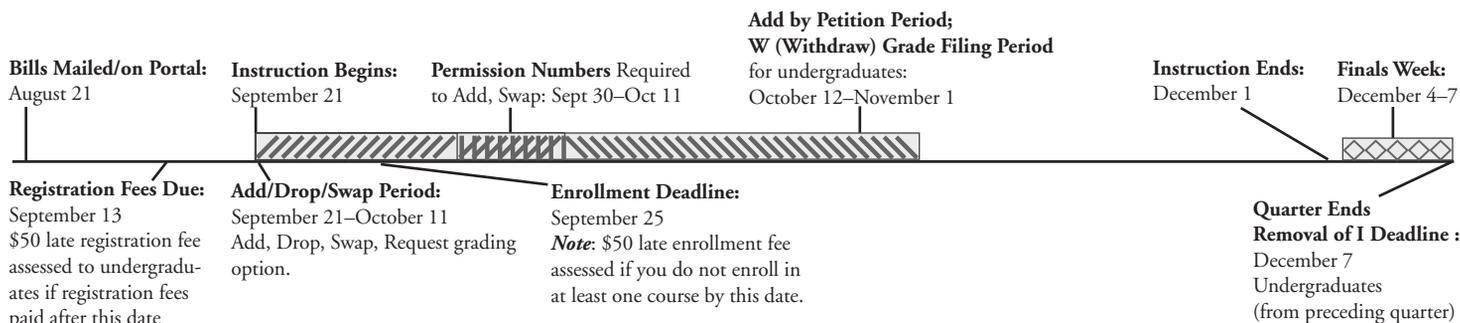
It is recommended that you verify your classes and grade options after you complete your enrollment transactions and print a copy of your schedule. It is also recommended that you verify your enrollments again before the end of the Add/Drop/Swap period.

## U.S. Ethnic Studies Courses for Fall 2006

In recognition of increasing faculty and student interest in studies related to major ethnic groups in the United States, many courses have been added in this area. Below is a sampling of courses offered spring quarter that focus on comparative studies or on one of these U.S. ethnic groups: African American, Asian American, Chicano, Jewish, or Native American. These courses, among others, may be used to satisfy the U.S. Ethnic Minorities/Non-Western Society ("E") general education requirement.

AMST 2	<i>California and Californians</i>
AMST 80E	<i>U.S. Racial/Ethnic Histories and Formations</i>
AMST 125A	<i>Aspects of African American Culture</i>
AMST 127C	<i>Asian American Literature and Culture</i>
AMST 190H	<i>Race, Politics, and Region</i>
ANTH 130N	<i>Native Peoples of North America</i>
CMMU 80Q	<i>Asian American Health</i>
ECON 128	<i>Poverty and Public Policy</i>
EDUC 181	<i>Race, Class, and Culture in Education</i>
FMST 124	<i>Technologies and Latinidad: Cyberspace and Beyond</i>
HIS 74	<i>Introduction to Modern Jewish History</i>
HIS 121A	<i>African American History to 1877</i>
LALS 1	<i>Introduction to Latin American and Latino Studies</i>
LALS 80Q	<i>Musica Latina</i>
LALS 173	<i>Latin American Immigration to the U.S.</i>
LALS 175	<i>Migration, Gender, and Health</i>
LGST 128	<i>Poverty and Public Policy</i>
LTEL 150B	<i>Chicano Literature</i>
LTEL 190G	<i>Black Pulp Fiction</i>
LTMO 125L	<i>Films on the Border</i>
LTWL 190A	<i>Topics in World Literature and Cultural Studies</i>

## Fall 2006 Registration and Enrollment Timeline



## COURSES WITH FEES

The following is a list of the Campus Course Materials Fees that have been approved by the Miscellaneous and Course Materials Fee Advisory Committee to be charged for courses in 2006–07. Contact the departments for more information. This list is also available on the web at [reg.ucsc.edu/coursefees.html](http://reg.ucsc.edu/coursefees.html).

### Anthropology

ANTH 107L/207L *Anatomy of Human Body Lab* . \$60

### Art

ART 10G *2D Foundation*.....\$5  
 ART 10H *3D Foundation*.....\$45  
 ART 10J *Technology Foundation* .....\$15  
 ART 20 *Introduction to Drawing for Majors* ....\$25  
 ART 21 *Introduction to Computer Art*.....\$40  
 ART 22 *Intro to Electronics for Intermedia* .....\$30  
 ART 23 *Intermedia I* .....\$32  
 ART 24 *Introduction to Painting (Oil)*.....\$48  
 ART 26 *Introduction to Printmaking*.....\$70  
 ART 28 *Introduction to Figurative Sculpture*....\$75  
 ART 29 *Begin Intermedia: 3D Approaches* .....\$42  
 ART 30 *Intro to Photography for Art Majors* ....\$67  
 ART 37 *Material Metaphor I*.....\$42  
 ART 39 *Public Art I: Community, Site, and Place* .....\$50  
 ART 40 *Sculpture I*.....\$53  
 ART 60 *Forms and Ideas*.....\$15  
 ART 70A *Bookbinding*.....\$60  
 ART 70B *Printing I: Elements of Printing*.....\$60  
 ART 70C *Printing II: Typography and Book Design* .....\$60  
 ART 80D *Introduction to Photography* .....\$25  
 ART 101 *Intermediate/Advanced Drawing*.....\$35  
 ART 102 *Figure Drawing* .....\$40  
 ART 103 *Intermediate/Advanced Painting* .....\$48  
 ART 104 *Special Topics in Painting* .....\$48  
 ART 106A-B *Sr. Studio in Draw/Paint*.....\$48  
 ART 107 *Mixed Media Works on Paper* .....\$25  
 ART 109 *Intermedia II*.....\$32  
 ART 110 *Special Topics: Interactive Art*.....\$16  
 ART 111 *Book Arts II*.....\$60  
 ART 112 *Intaglio I*.....\$57  
 ART 113 *Relief and Intaglio Printmaking II*....\$57  
 ART 114 *Lithography I*.....\$57  
 ART 115 *Lithography II*.....\$67  
 ART 116A-B *Sr. Studio Printmaking* .....\$70  
 ART 117 *Special Topics in Printmaking*.....\$70  
 ART 117A *Monoprinting/Mixed Media Printmaking*.....\$60  
 ART 118 *Computer Art: Theories, Methods, and Practices* .....\$36  
 ART 119 *Digital Video* .....\$45  
 ART 120 *Adv Projects in Computer Art I*.....\$45  
 ART 123 *Digital Printmaking in Contemporary Art Practice*.....\$65  
 ART 126 *Art of Bookmaking*.....\$55  
 ART 130 *Intermediate Photography*.....\$67  
 ART 131 *Advanced Photography* .....\$67  
 ART 132 *Color in Photography*.....\$77  
 ART 133A-B *Sr. Studio in Photography*.....\$67  
 ART 134 *Special Topics in Photography*.....\$70  
 ART 135 *Intro Digital Photography*.....\$55  
 ART 136 *Adv Digital Photography* .....\$55  
 ART 138 *Intermediate/Adv Sculpture* .....\$43

ART 139 *Intermed/Adv Sculpture Foundry* ....\$150  
 ART 140 *Metal Sculpture*.....\$81  
 ART 141 *Sculpture II*.....\$65  
 ART 143 *Adv Intermedia: 3D Approaches*.....\$42  
 ART 144 *Site Works*.....\$42  
 ART 145 *Material Metaphor II*.....\$47  
 ART 146 *Special Topics Intermedia/Sculpture*...\$50  
 ART 148 *Special Topics Sculpture/Public Art*....\$55  
 ART 156 *Topics in Public Art: Memory, Landscape, and Artist as Activist* .....\$50  
 ART 159A-B *Senior Studio in Intermedia, Sculpture, and Electronic Art* .....\$60  
 ART 161 *Picturing Identity: Document and Culture*.....\$65

### Biochemistry and Molecular Biology

BIOC 110 *Biochemistry Lab* .....\$50

### Biology

BIOL 20L *Experimental Biology Laboratory* ....\$20  
 BIOL 75 *Scientific Diving Certification* .....\$300  
 BIOL 100L *Biochemistry Laboratory* .....\$40  
 BIOL 105L *Eukaryotic Genetics Laboratory*.....\$40  
 BIOL 105M *Microbial Genetics Laboratory*.....\$25  
 BIOL 109L *Yeast Molecular Genetics Lab*.....\$40  
 BIOL 116L *Eukaryotic Molecular Biol Lab*.....\$40  
 BIOL 119L *Microbiology Laboratory*.....\$40  
 BIOL 120L *Development Laboratory*.....\$40  
 BIOL 128L *Neural Genetics Laboratory*.....\$40  
 BIOL 130L *Human Physiology Laboratory*.....\$10  
 BIOL 131L *Animal Physiology Laboratory*.....\$10  
 BIOL 135L *Anatomy of the Human Body Lab* . \$60  
 BIOL 136L *Invertebrate Zoology Laboratory*....\$25  
 BIOL 137L *Ichthyology Laboratory*.....\$25  
 BIOL 139L *Biology of Marine Mammals Lab*..\$10  
 BIOL 141L *Ecological Field Methods*.....\$100  
 BIOL 143L *Field Methods in Herpetological Research* .....\$15  
 BIOL 144L *Ornithology Field Studies*.....\$25  
 BIOL 145L *Behavioral Ecology Field Course*....\$40  
 BIOL 160L *Marine Ecology Laboratory*.....\$10  
 BIOL 161L *Kelp Forest Ecology Laboratory*.....\$40  
 BIOL 162 *Marine Ecology Field Quarter* ...\$2,500  
 BIOL 168L *Systematic Botany of Flowering Plants Laboratory* .....\$20  
 BIOL 169L *Field Methods in Plant Ecology* ....\$25  
 BIOL 170L *Marine Botany Laboratory*.....\$10  
 BIOL 176L *Molecular Ecology/Evolution Lab*..\$10  
 BIOL 187L *Molecular Biotechnology Lab* .....\$40

### Chemistry

CHEM 1M *General Chemistry Laboratory* .....\$15  
 CHEM 1N *General Chemistry Laboratory*.....\$25  
 CHEM 80H/80L *Intro to Wine Chemistry*.....\$40  
 CHEM 108L *Organic Chemistry Lab*.....\$30  
 CHEM 108M *Organic Chemistry Lab* .....\$35  
 CHEM 112L *Organic Chemistry Lab*.....\$40  
 CHEM 112M *Organic Chemistry Lab* .....\$40

CHEM 112N *Organic Chemistry Lab*.....\$75  
 CHEM 122 *Principles Instrumental Analysis*....\$40  
 CHEM 146A *Adv Lab Organic Chemistry* .....\$40  
 CHEM 146B *Adv Lab Inorganic Chemistry* ....\$40  
 CHEM 146C *Adv Lab Physical Chemistry* .....\$40  
 CHEM 151L *Inorganic Chemistry Lab*.....\$40  
 CHEM 164B *Physical Chemistry Lab II*.....\$25

### Computer Engineering

CMPE 100L *Logic Design Laboratory* .....\$30  
 CMPE 117L *Embedded Software Laboratory*...\$30  
 CMPE 118L *Introduction to Mechatronics Laboratory* .....\$100  
 CMPE 121L *Microprocessor System Design Laboratory* .....\$160  
 CMPE 123A *Engineering Design Project I* .....\$35–\$150  
 CMPE 123B *Engineering Design Project II* .....\$35–\$150  
 CMPE 125L *Logic Design w/ Verilog Lab* .....\$25  
 CMPE 126L *Advanced Logic Design Lab* .....\$25  
 CMPE 151 *Network Administration*.....\$30  
 CMPE 156L *Network Programming Lab*.....\$30  
 CMPE 163L *Multimedia Processing/Applications Laboratory* .....\$25  
 CMPE 172L *Linear/Non-Linear Circuits* ...\$15  
 CMPE 173L *Hi Speed Dig Design Lab*.....\$85

### Cowell College

COWL 70A *Bookbinding* .....\$60  
 COWL 70B *Printing I: Elements of Printing* ...\$60  
 COWL 70C *Printing II: Typography and Book Design* .....\$60

### Digital Arts and New Media

DANM 219 *Introduction to Electronics for Artmaking*.....\$35

### Earth Sciences

EART 5L *California Geology Laboratory* .....\$10  
 EART 10L *Geologic Principles Laboratory*.....\$20  
 EART 20L *Environmental Geology Laboratory* . \$10  
 EART 100 *Vertebrate Paleontology*.....\$20  
 EART 104 *Geologic Hazards*.....\$10  
 EART 105 *Coastal Geology*.....\$10  
 EART 109 *Elements of Field Geology*.....\$20  
 EART 110C *The Dynamic Earth*.....\$10  
 EART 116 *Hydrology*.....\$10  
 EART 117 *Paleomagnetism*.....\$20  
 EART 120 *Sedimentology and Stratigraphy*.....\$20  
 EART 125 *Geographic Information Systems*....\$20  
 EART 130 *Magmas and Volcanoes*.....\$15  
 EART 140L *Geomorphology Laboratory*.....\$20  
 EART 142 *Soil Properties and Mechanics*.....\$10  
 EART 146 *Groundwater*.....\$10  
 EART 146 *Glaciology*.....\$10

*Continued on next page*

## COURSES WITH FEES

EART 150 <i>Structural Geology</i> .....	\$20
EART 188A-B <i>Senior Field Internship</i>	
UCSC Students.....	\$1,800
Non-UCSC Students .....	\$2,000
UCSC Students 1 Session.....	\$1000
Non-UCSC Students 1 Session .....	\$1100
EART 205 <i>Introductory Graduate Seminar</i> .....	\$20
EART 263L <i>Planetary Field Course</i> .....	\$20

### Electrical Engineering

EE 70L <i>Intro Electronic Circuits Lab</i> .....	\$30
EE 123A <i>Engineering Design Project I</i> ...	\$35–\$150
EE 123B <i>Engineering Design Project II</i> ..	\$35–\$150
EE 125 <i>Electrical Eng Hardware Design I</i>	\$10–\$40
EE 126 <i>Electrical Eng Hardware</i>	
<i>Design II</i> .....	\$10–\$80
EE 130L <i>Intro to Optoelectronics Lab</i> .....	\$20
EE 135L <i>Electromagnetic Flds &amp; Waves Lab</i> ....	\$40
EE 145L <i>Properties of Materials Lab</i> .....	\$40
EE 171L <i>Analog Electronics Lab</i> .....	\$30

### Engineering

For more information on fees for School of Engineering courses, see the web site at [www.soe.ucsc.edu/administration/labs/](http://www.soe.ucsc.edu/administration/labs/)  
ENGR 50L *Engineering Mechanics Lab*.....

### Film and Digital Media

Fees for film courses may be less than published below or not charged for a particular quarter. Contact the Film and Digital Media Department for more information.

FILM 20A <i>The Film Experience</i> .....	\$15
FILM 20B <i>Intro to TV Culture and Society</i> .....	\$4
FILM 20C <i>Intro to Digital Media</i> .....	\$7
FILM 20P <i>Intro to Production Technique</i> .....	\$15
FILM 80A <i>Technothrillers</i> .....	\$4–\$5
FILM 120 <i>Intro to Film Theory &amp; Criticism</i> .....	\$10–\$15
FILM 130 <i>Silent Cinema</i> .....	\$20
FILM 132A-B <i>International Cinema to 1960</i> ..	\$20
FILM 132C <i>Gender and Global Cinema</i> .....	\$15
FILM 134A <i>American Film, 1930–1960</i> .....	\$20
FILM 134B <i>American Film, 1960–Present</i> .....	\$20
FILM 136A <i>Experimental Film and Video</i> .....	\$20
FILM 136B <i>History of Television</i> .....	\$15
FILM 136C <i>Visual Culture and Technology</i> .....	\$20
FILM 142 <i>Beyond Cybernetics: Adv Topics in New Media Technologies</i> .....	\$15
FILM 160 <i>Film Genres</i> .....	\$20
FILM 161 <i>Documentary Film and Video</i> .....	\$20
FILM 162 <i>Film Authors</i> .....	\$20
FILM 165A <i>Film, Video, and Gender</i> .....	\$20
FILM 165B <i>Race on Screen</i> .....	\$20
FILM 165C <i>Lesbian, Gay, Queer Film &amp; Video</i> ...	\$20
FILM 165D <i>Asian Americans and Media</i> .....	\$20
FILM 168 <i>National Cinema and Culture</i> .....	\$20
FILM 170A <i>Intro to Digital Media Production</i>	\$15
FILM 170B <i>Fundamentals Film/Video</i>	
<i>Production</i> .....	\$15
FILM 171A <i>Sound</i> .....	\$20

FILM 172 <i>Film/Video Studio</i> .....	\$20
FILM 173 <i>Narrative Workshop</i> .....	\$20
FILM 175 <i>Documentary Video Workshop</i> .....	\$20
FILM 176 <i>Experimental Video Workshop</i> .....	\$20
FILM 177 <i>Digital Media Workshop</i> .....	\$20
FILM 185 <i>Special Topics in Film and Video</i> .....	\$20
FILM 187 <i>Adv Topics in TV Studies</i> .....	\$8
FILM 189 <i>Adv Topics in Digital &amp; Electronic Media Studies</i> .....	\$10
FILM 194A <i>Film Theory Seminar</i> .....	\$15
FILM 194B <i>Electronic Media Theory Seminar</i> ..	\$15
FILM 194C <i>New Media Theory Seminar</i> .....	\$15
FILM 194D <i>Film History Seminar</i> .....	\$12
FILM 194E <i>International Cinemas</i> .....	\$15
FILM 194F <i>Film and Other Arts: Music/Dance</i>	\$15
FILM 194G <i>New(s) Media</i> .....	\$15
FILM 196A <i>Sr. Project Film/Video Producn</i> ....	\$20
FILM 197 <i>Sr. Digital Media Workshop</i> .....	\$20
FILM 283 <i>New Media Art and Digital Culture</i>	\$20

### Music

MUSC 1C <i>University Concert Choir</i> .....	\$10
MUSC 2 <i>University Orchestra</i> .....	\$10
MUSC 3 <i>Large Jazz Ensemble</i> .....	\$10
MUSC 9 <i>Wind Ensemble</i> .....	\$10
MUSC 60 <i>Group Piano Maj/Min</i> .....	\$65
MUSC 60 <i>Group Piano Nonmaj/Nonmin</i> .....	\$75
MUSC 61 <i>Indv Lessons (1/2hr) Maj/Min</i> .....	\$100
MUSC 61 <i>Indv Lessons (1/2hr) Nonmaj/Nonmin</i>	\$130
MUSC 62 <i>Indv Lessons (1hr) Maj/Min</i> .....	\$150
MUSC 62 <i>Indv Lessons (1hr) Nonmaj/Nonmin</i> .....	\$190
MUSC 63 <i>Group Instrumental/Vocall Major/Minor</i> .....	\$65
MUSC 63 <i>Group Instrumental/Vocal Nonmajor/Nonminor</i> .....	\$75
MUSC 159A-B <i>Opera Workshop</i> .....	\$10
MUSC 160 <i>University Opera Theater</i> .....	\$10
MUSC 161 <i>Indv Lessons (1hr) Maj/Min</i> .....	\$150
MUSC 161 <i>Indv Lessons (1hr) Nonmaj/Nonmin</i>	\$190
MUSC 162 <i>Adv Lessons (1hr) Maj/Min</i> .....	\$150
MUSC 162 <i>Adv Lessons (1hr) Nonmaj/Nonmin</i>	\$190
MUSC 166 <i>Chamber Singers</i> .....	\$10
MUSC 196B <i>Senior Recital Preparation (with individual lessons)</i> .....	\$150
MUSC 261 <i>Graduate Applied Instruction (1 hr) Major</i> .....	\$150

### Physical Education

PHYE 5E <i>Aquatics: Lifeguard Training</i> .....	\$90
PHYE 5F <i>Water Safety Instructor</i> .....	\$55
PHYE 5R <i>Aquatics: Basic Scuba Diving</i> .....	\$75
– <i>Basic Scuba Certification</i> .....	\$55
PHYE 5T <i>Aquatics: Adv Scuba Diving</i> .....	\$95
– <i>Advanced Scuba Certification</i> .....	\$20
PHYE 5U <i>Aquatics: Rescue Scuba Instruction</i> ...	\$85
– <i>Rescue Scuba Certification</i> .....	\$50
PHYE 9B <i>Boating: Basic Sailing</i> .....	\$45
PHYE 9C <i>Boating: Intermed Sailing: Dinghy</i> ...	\$45
PHYE 9C <i>Boating: Intermed Sailing: Keelboat</i> ..	\$50
PHYE 9D <i>Boating: Adv Sailing: Dinghy</i> .....	\$45

PHYE 9D <i>Boating: Adv Sailing: Keelboat</i> .....	\$50
PHYE 9J <i>Boating: Basic &amp; Intermed Rowing</i> ...	\$40
PHYE 15N <i>Court Sports: Tennis</i> .....	\$8
PHYE 20A <i>Dance: Ballet</i> .....	\$15
PHYE 20C <i>Dance: Jazz</i> .....	\$10
PHYE 20D <i>Dance: Modern</i> .....	\$15
PHYE 25A <i>Fencing: Épée</i> .....	\$10
PHYE 25B <i>Fencing: Foil</i> .....	\$10
PHYE 25C <i>Fencing: Sabre</i> .....	\$10

### Theater Arts

THEA 12 <i>Production Management</i> .....	\$10
THEA 14 <i>Drawing</i> .....	\$20
THEA 17 <i>Costume Construction</i> .....	\$25
THEA 18 <i>Drafting for Theatrical Production</i> ...	\$25
THEA 19 <i>Design Studio: Lighting Studio A</i> .....	\$20
THEA 30 <i>Introduction to Modern Dance Theory and Technique</i> .....	\$21
THEA 32 <i>Introduction to Ballet</i> .....	\$21
THEA 33 <i>Advanced Intro Modern Dance</i> .....	\$21
THEA 36 <i>Introduction to Dance Composition</i> ..	\$21
THEA 80Y <i>The Broadway Musical</i> .....	\$21
THEA 107 <i>Design Studio: Masks/Makeup</i> .....	\$25
THEA 110 <i>Advanced Stage Technology</i> .....	\$20
THEA 114 <i>Design Studio: Sound</i> .....	\$20
THEA 115 <i>Design Studio: Scenic Design</i> .....	\$15
THEA 116A <i>History of Clothing/Costume</i> .....	\$25
THEA 117 <i>Design Studio: Costume</i> .....	\$25
THEA 118 <i>Design Studio: Scene Painting</i> .....	\$25
THEA 119 <i>Design Studio: Lighting Studio B</i> ...	\$25
THEA 129 <i>Advanced Ballet</i> .....	\$21
THEA 130 <i>Intermediate Modern Dance Theory and Technique</i> .....	\$21
THEA 131 <i>Advanced Modern Dance Theory and Technique</i> .....	\$21
THEA 132 <i>Modern Dance Studio</i> .....	\$21
THEA 135 <i>Dance Improvisation and Theory</i> ....	\$21
THEA 136 <i>Intermediate Ballet</i> .....	\$21
THEA 137 <i>Studies in Performance (Dance)</i> .....	\$21
THEA 138 <i>Movement Research in New Arts Praxis</i> .....	\$21
THEA 139 <i>Random: With a Purpose</i> .....	\$21
THEA 158 <i>Chautauqua Workshop</i> .....	\$5
THEA 161V <i>The Broadway Musical</i> .....	\$21

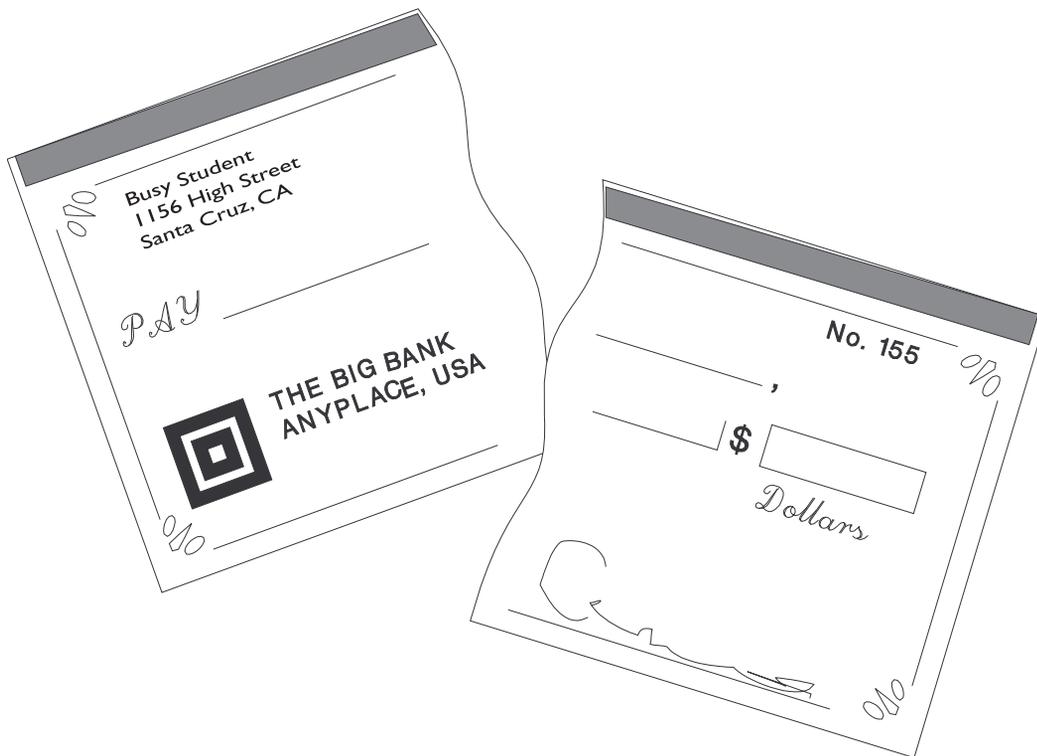
# Sign up for Direct Deposit using your Student Portal

**Tired of Waiting for your Refund? Don't know where the check's been mailed? Need your refund quicker? Don't wait weeks for a check.**

**Sign up for Direct Deposit of your Financial Aid or Credit Balance refund through your Student Portal @ [my.ucsc.edu](http://my.ucsc.edu).**

**Follow the links from**

**Financial Information > Accounts & Billing > Student Direct Deposit.**



**Secure, Safe, Fast, Convenient & Easy!**

**Questions? Contact Student Business Services at 831-459-2107 or visit our website [sbs.ucsc.edu](http://sbs.ucsc.edu) for more information.**

# REGISTRATION PAYMENT INFORMATION

## Billing Statements

In addition to the monthly billing statements, you may view your account on the MyUCSC portal to check for new charges, confirm that your payment was received, or other adjustments were made to your account. Fall charges will be viewable on the portal by August 21.

## Statement of Account Mailing Address

Please update your addresses to ensure timely delivery of statements. Statements are mailed to the mailing address on file unless a billing address was established. Late fees will not be waived due to an incorrect or outdated address.

You may establish a separate billing address or update your local mailing address online at the MyUCSC portal, [my.ucsc.edu](http://my.ucsc.edu). For more information regarding addresses and changing your address, see Address Changes, page 26.

If you do not receive a Statement of Account by mail, you are still responsible for meeting payment deadlines. You can print your monthly statements from the MyUCSC portal where you can also view your account summary and check for activity (payments, charges, and adjustments) after the bill print date. If you have questions about your fees, call the Office of the Registrar at (831) 459-4412; or e-mail [registrar@ucsc.edu](mailto:registrar@ucsc.edu).

Questions about other charges or about making the payment are answered by Student Business Services at (831) 459-2107 or [oarinfo@ucsc.edu](mailto:oarinfo@ucsc.edu).

## Payment of Fees

**Deadline to pay registration fees is Wednesday, September 13, 2006, for undergraduates and Friday, September 29, 2006, for graduate students. A \$50 late registration fee is assessed if payment is not received by the Cashier by 4:00 P.M. on the due date. Postmarks will not be used to validate on-time payment. Undergraduate students may be dropped from classes for failure to settle financial obligations.**

See the Financial Aid section on the following page if:

- you applied for financial aid, but have not been notified of your eligibility; or
- you received your financial aid Offer Letter, but financial aid credits do not appear on your account summary on the MyUCSC portal.

If you cannot pay your fees in full by the deadline, sign up for the Deferred Payment Plan (DPP) and pay the first installment by September 13, 2006. Please read about the Deferred Payment Plan for more information.

If you find yourself having to make payment on the due date, you are encouraged to make payment in person to our Cashier's Office to ensure immediate account credit. To avoid late fees, on the deadline payments can be made up until 4:00 P.M. through the Cashier's window or up until 3:00 P.M.

through the Cashier's depository (located on the north wall in the Hahn Building). The campus does not accept credit cards for payment.

Graduate students will be assessed the \$50 late fee if fees are not received by September 29. Graduate student enrollments are not dropped for nonpayment.

See Withdrawal during a Quarter for information about refunds for registration fees.

## Returned Checks

If your registration check is returned by the bank, you will be subject to a \$25 returned check fee for the first offense and \$35 for each subsequent returned check and, if applicable, a \$50 late registration fee. A hold is placed on enrollment if you do not clear the check. Personal checks will not be accepted from students who chronically have checks returned by the bank.

## Collection costs

Student charges are due upon demand. Late charges are assessed monthly on delinquent accounts.

Delinquent accounts are subject to being assigned for collection and, subsequently, to credit-reporting agencies. In the event it becomes necessary to enforce payment through collection for the university, the additional cost of collection will be applied to the account balance.

## Late Registration and Enrollment

If you pay your fees and enroll after September 25, you will be assessed both the \$50 late registration fee and the \$50 late enrollment fee. October 11 is the last day to register and enroll.

## Deferred Payment Plan (DPP)

The Deferred Payment Plan (DPP) provides an alternative method of budgeting and paying registration

fees. It allows these fees, to the extent not covered by scholarships, loans, or other financial aid, to be paid in monthly installments. Students have a choice of applying for a three-month plan for an individual quarter's fees or for a nine-month plan, available at the beginning of the fall quarter only, to be used for the fall, winter, and spring quarters. A nonrefundable application fee of \$25 for the three-month plan and \$60 for the nine-month plan is required. Any student in good financial and academic standing may apply for DPP. Students receiving financial aid sufficient to cover registration fees in full are not eligible for this plan. For more information about how to apply for DPP, application deadlines, and campus policies regarding the program, contact the Office of Student Business Services at 203 Hahn Student Services, (831) 459-2107, or at [oarinfo@ucsc.edu](mailto:oarinfo@ucsc.edu). See the DPP Application on page 22.

## Nonresident Students

If you are classified a nonresident for tuition purposes, and you believe that you will be eligible for resident status for fall quarter 2006, petition for change of residence status at the Office of the Registrar. Petitions must be filed before fall quarter begins. For more information, see [reg.ucsc.edu](http://reg.ucsc.edu).

## Health Insurance

The University of California requires that all students be covered by health insurance and UCSC offers plans specifically designed to meet the needs of students. The Undergraduate Health Insurance Plan (UHIP) and the Graduate Student Health Insurance Plan (GSHIP) are affordable plans featuring excellent year-round, worldwide coverage with low deductibles and prepaid access to Student Health Center care for illness or injury. Students are automatically enrolled in the plans and billed in three quarterly installments that will appear on the University billing statement. The UHIP plan includes medical coverage only,

### Breakdown of Registration Fees

The fees for spring 2006 are listed below. When fall fees are known they will be published at [reg.ucsc.edu/fees/fees.html](http://reg.ucsc.edu/fees/fees.html). Fees, tuition, and other charges are subject to change through action by the UC Regents.

Required Fees	Undergraduate	Graduate
University Reg Fee	\$ 245.00	\$ 245.00
Educational Fee	1,802.00	2,054.00
Campus Fees	<u>269.25</u>	<u>242.75</u>
Total (residents)	<b>\$ 2,316.25</b>	<b>\$ 2,541.75</b>
Nonresident Tuition	5,768.00	4,898.00
Educational Fee Differential	<u>172.00</u>	<u>89.00</u>
Total (nonresidents)	<b>\$ 8,256.25</b>	<b>\$ 7,528.75</b>

\*See Courses With Fees, page 17, for information about course fees.

## REGISTRATION INFORMATION

while the GSHIP plan includes medical, dental, and vision coverage. For 2006-07 the UHIP premium is approximately \$315 per quarter for undergraduate students, and the GSHIP premium is \$690 per quarter. Students can choose to waive the insurance by submitting a waiver form and proof of comparable private insurance by the established deadline. Online waivers are available on the health center web site: [www2.ucsc.edu/healthcenter](http://www2.ucsc.edu/healthcenter). Waivers are valid for the quarter submitted and the remainder of the academic year. A new waiver, along with supporting documentation must be submitted each academic year. Students who waive the university-sponsored health insurance plan may purchase CruzCare, which provides prepaid access to basic Student Health Center Care for illness or injury. CruzCare is \$36 per quarter for 2006-07.

For information and forms visit the Student Health Insurance Office online at [www2.ucsc.edu/healthcenter](http://www2.ucsc.edu/healthcenter), call (831) 459-2389, or e-mail [insure@ucsc.edu](mailto:insure@ucsc.edu).

### Part-Time Study for Undergraduates

If you are unable to maintain a full-time program of study because of employment responsibilities, family obligations, or health problems, you may be eligible for a 50 percent reduction in the educational fee and in the nonresident tuition fee (if applicable). To qualify for reduced fees, you must be approved for the Part-Time Program and be enrolled in 10 quarter credits or fewer. If you exceed 10 credits in a quarter, you must pay full fees. The last day to apply for the Part-Time Program for fall quarter 2006 is October 11.

For information regarding the Part-Time Program, check [reg.ucsc.edu](http://reg.ucsc.edu); or call the Office of the Registrar at (831) 459-4412 before the deadline listed above.

### Financial Aid

Read the sections below which apply to your circumstances:

#### You have not received your financial aid disbursement.

The first thing to check is your enrollment. Financial Aid will not disburse until you are enrolled in classes. Next, check the MyUCSC portal, [my.ucsc.edu](http://my.ucsc.edu), for your financial aid award. From the menu in the upper left hand corner, follow the links: **Financial Information**, then **Financial Aid**, then **My Financial Aid**. Click on **Aid Year "2007."** If the Award Summary Page is displayed, click on **Accept/Decline Award** at the bottom of the page and follow the steps to accept or decline your financial aid.

If there is no financial award posted, check your "To Do List" at MyUCSC portal, [my.ucsc.edu](http://my.ucsc.edu). From the menu in the upper left hand corner, follow the links: **Holds and To Do Lists**, then **To Do List**. Click on the item listed to determine what is being requested in order to award your financial aid. You may download

requested forms using the Financial Aid Forms Link.

#### Your financial aid has been disbursed and you have a balance owed on your account.

You must use your own resources to pay any balance owed by the deadline to pay registration fees in order to keep your place in the classes in which you are enrolled. Please reference the Payment of Fees section in the Schedule of Classes (page 20) for the deadline to pay registration fees.

If your statement has a credit balance, this is the amount we owe you. If you have authorized electronic funds transfer (EFT), the funds will be disbursed directly to your personal bank account on the first day of the quarter; otherwise a check will be mailed to your local address on the first day of the quarter.

**If you still have questions, you may contact the Financial Aid Office at (831) 459-2963 between 8 a.m. and 5p.m. The Financial Aid Office is located at 205 Hahn Student Services and is open weekdays from 9 a.m. to 4 p.m. (except Fridays, when it opens at 10 a.m. and closes at 2 p.m.).**

### Electronic Funds Transfer for Financial Aid Refunds

Student Business Services (SBS) will use EFT/Direct Deposit to deposit financial aid refunds into your personal bank account. EFT assures that you receive financial aid in the most efficient and direct manner. Obtain the EFT authorization form (see page 19 for a copy of the EFT form) in person or online at [sbs.ucsc.edu](http://sbs.ucsc.edu) and return the completed form to SBS (203 Hahn Student Services).

### Withdrawal During a Quarter

You may find it necessary to withdraw from UCSC during a quarter. File a Petition for Withdrawal/Leave of Absence at your college office. Return your student ID with your petition. Refunds of any registration fees cannot be made unless your ID card is returned. The effective date for determining a refund of fees is the date the student notifies the college of the withdrawal. It is presumed that no university services are provided to you after withdrawal from the university with the exception of leave of absence benefits. (Also, see Withdrawal/W grade information on page 23.) Graduate students should contact the Division of Graduate Studies.

#### Withdrawal and Financial Aid Recipients

A financial aid adviser will receive and process your withdrawal petition. Depending on the withdrawal date, you may be billed for some or all of the aid you received. If you plan to return to UCSC a subsequent academic year, remember to meet the March 2 and June 1 deadlines each year in order to be considered for all forms of aid available. Students who submit requested documents after June 1 will be packaged on a funds-available basis when all documents have been received. This means that the most desirable funds, such as University Grant and Federal Work-Study, may no longer be available after June 1. Go to the Financial Aid Office for more information.

#### Withdrawal and Deferred Payment Plan

If you contracted for the Deferred Payment Plan (DPP), and you withdraw before completing all your installments, you may still owe registration fees as determined by your date of withdrawal. After filing your

### Financial Implication of Withdrawal

Your registration fee assessment will be adjusted as determined by the effective date of the withdrawal. If the effective date is on or before the first day of instruction (see the Academic and Administrative Calendar, pages 6–7), your fees will be adjusted as follows.

- *New students:* all fees reversed except the nonrefundable \$100 statement of intent to register fee.
- *Continuing and re-entering students:* all fees reversed except a service charge of \$10.

If the effective date is on or after the first day of instruction, fees will be adjusted according to the following schedule, which refers to the elapsed calendar days beginning with the first day of instruction:

<b>first day of instruction</b>	<b>100%</b>	<b>of assessed fees reversed</b>
<b>2–7 calendar days</b>	<b>90%</b>	<b>of assessed fees reversed</b>
<b>8–18 calendar days</b>	<b>50%</b>	<b>of assessed fees reversed</b>
<b>19–35 calendar days</b>	<b>25%</b>	<b>of assessed fees reversed</b>
<b>36 calendar days and over</b>	<b>0%</b>	<b>of assessed fees reversed</b>

**Note: this refund schedule is subject to change.**

For new students, the nonrefundable \$100 statement of intent to register fee is withheld from the university registration fee, and the schedule above is applied to the balance of fees assessed. *Note:* There is a different schedule for entering freshmen receiving federal financial aid who withdraw during their first quarter. For more information, refer to information in The Navigator at <http://reg.ucsc.edu/navigator/chapter6.html>.

## REGISTRATION INFORMATION

withdrawal petition, call the Office of Student Business Services at (831) 459-2107 for more information.

### Refund of Fees

If you withdraw from UCSC after paying your registration fees, the withdrawal may cause an overpayment to your account. Refunds are issued approximately three weeks after the completed petition is filed at the Office of the Registrar. For students who have authorized EFT, the refund is issued in the form of an electronic funds transfer; otherwise, it is mailed to your mailing address on file.

A full refund of the registration fees will be granted to a student entering the armed forces before the sixth week of the quarter. For UCSC policy on students interrupting studies because of military service, contact Veteran Services at (831) 459-1358.

### Leave of Absence

Any undergraduate student who has completed at least one quarter at UCSC and is withdrawing may request a leave of absence by completing an application available at his or her college office. A leave of absence is defined as a planned interruption in your education and may be granted for up to six quarters. The intent of this service is to make it possible for you to suspend your academic work and eliminate the need to apply for readmission.

Leave of absence status permits you to use many campus services normally reserved for registered students. The \$60 leave of absence application fee entitles you to use services available at the offices of the Career Center, Off-Campus Housing, Family Student Housing, and some computer labs, as well as to obtain discounts on transportation and other benefits. Students on leave of absence must contact the Information Technology

Services Help Desk to avoid account closure. The application fee is nonrefundable and nontransferable.

For information about retaining your university computer account while on leave, phone Information Technology Services at (831) 459-HELP; or e-mail Information Technology Services at [help@ucsc.edu](mailto:help@ucsc.edu).

### Readmission

Students who take a break from UCSC but are not on leave of absence must apply for readmission. You are encouraged to file your application for readmission as soon as you know you are returning but no later than the date in the Academic and Administrative Calendar. The registration fee payment procedure for readmitted students is the same as for continuing students. Readmitted students are expected to meet the enrollment and fee payment deadlines.

## Deferred Payment Plan Application

The Deferred Payment Plan (DPP) allows your registration fees, to the extent not covered by financial aid, to be paid in monthly installments. To apply for DPP, complete and return this application with the appropriate nonreturnable application fee (see below) to the Office of Student Business Services, 1156 High St., 118 Kerr Hall, Santa Cruz, CA 95064. The application, fee, and the first installment are due before the quarter begins. DPP applies to registration fees only; health insurance is not included in DPP. Please contact the on-campus Housing Office at (831) 459-2394 to arrange a housing payment plan. Make checks payable to UC Regents.

Nine-month plan (fall, winter, spring quarters)—\$60 Application Fee (available fall quarter only)

Three-month plan (one quarter)—\$25 Application Fee

Are you a California Resident as classified by the Office of the Registrar?    Y            N

Student Status: (circle one)   Undergraduate   Graduate      Student Name \_\_\_\_\_

Student ID Number\* \_\_\_\_\_      Local Phone \_\_\_\_\_

Street Address \_\_\_\_\_      City, State, Zip \_\_\_\_\_

I, the undersigned, do hereby agree to have my registration fees, as established by the Regents of the University of California and billed by the Santa Cruz campus, divided into monthly installments. I understand the application fee is nonrefundable. I agree to inform the Office of Student Business Services immediately of any address changes, and I maintain responsibility for my account.

I understand that if I do not pay by the due date as stated on my Statement of Account, I will be assessed late fees. The first DPP late fee is \$50. Subsequent DPP late fees are assessed at \$15 per billing cycle. I understand that failure to pay may result in the university withholding all services, including class enrollment, registration, and official transcripts. I understand that in the event of nonpayment, the university has the right to terminate this agreement and declare the entire balance, plus applicable late fees, due and payable.

I understand that registration fees are subject to change, which may cause an adjustment to my payment plan. I also understand that if my student status changes, I am responsible for notifying the Office of the Registrar. Such a change could also result in a change of my payment plan.

I acknowledge that I have read, understand, and agree to the terms and conditions as set forth in this Deferred Payment Plan Application and Payment Agreement.

Student Signature \_\_\_\_\_      Date \_\_\_\_\_

\*The student number requested on this form may be your Social Security number. In accordance with the Federal Privacy Act of 1974, as amended, you are hereby notified that disclosure of your Social Security number is voluntary. This record keeping system was established pursuant to the authority of the Regents of the University of California under Article IX, Section 9 of the California Constitution. The principle use of the number shall be to verify your identity in the Academic Information System and to locate and maintain your records.

Contact the Office of Student Business Services to determine the amount of your first payment at (831) 459-2107, or e-mail [oarinfo@ucsc.edu](mailto:oarinfo@ucsc.edu).

Fax your application to (831) 459-3918.

For more information about DPP, check out our web site at <http://sbs.ucsc.edu/dpp.html>.

## UCSC Undergraduate Grading Policies

	<b>① Undergraduates Entering UCSC Fall 2001 and After</b>	<b>② Undergraduates Entering UCSC Fall 1997-Spring 2001</b>
<b>Enrollment</b>	<p>① The Pass/No Pass option is available only to students in good academic standing.</p> <p>① ② The grading option may be changed up to the 15th day of instruction.</p>	<p>② When enrolling, students choose either letter grading or Pass/No Pass grading.</p>
<b>Withdrawal</b>	<p>① ② After the last day to drop a course, students may withdraw from a course whether enrolled for a letter grade or for Pass/No Pass grading. The Academic and Administrative Calendar lists deadlines for withdrawing from a course.</p>	
<b>Grades</b>	<p>① ② If enrolled in a course for a letter grade, students will receive a grade of A+, A, A-, B+, B, B-, C+, C, D, F, W (Withdraw), I (Incomplete), or IP (In Progress). If enrolled in a course for Pass/No Pass, students will receive a grade of P (Pass), NP (No Pass), W (Withdraw), I (Incomplete), or IP (In Progress).  <b>Note: beginning fall 2001, NP grades earned appear on official transcripts like all other grades.</b></p>	
<b>Evaluations</b>	<p>① ② For each course in which credit is earned, whether letter graded or Pass/No Pass, all students will receive an evaluation. Evaluations are a permanent part of the academic record. All students may request transcripts either with or without evaluations.</p>	
<b>UCSC Grade Point Average</b>	<p>① For all students, a UCSC GPA is calculated from UCSC courses, courses taken through the Education Abroad Program, and courses taken on another UC campus in an intercampus exchange program. The UCSC GPA is displayed on the official transcript. Courses taken through the Domestic Exchange Program and UC Extension are not calculated in the UC or UCSC GPA.</p>	<p>② Students who have received a letter grade in at least two-thirds of their credits attempted at UCSC have a UCSC GPA calculated and displayed on their official transcripts. Students who receive letter grades in fewer than two-thirds of their UCSC credits attempted are not eligible for a UCSC GPA. Courses taken through the Domestic Exchange Program and UC Extension are not calculated in the UC or UCSC GPA.</p>
<b>UC Grade Point Average</b>	<p>① ② All students have a UC GPA calculated from courses taken for a letter grade at UCSC, at other UC campuses, and through the Education Abroad Program. Your UC GPA must be at least 2.0 in order to graduate. Courses taken through the Domestic Exchange Program and UC Extension are not calculated in the UC or UCSC GPA.</p>	
<b>Satisfying Requirements</b>	<p>① Departments may require that some or all courses used to satisfy the major must be taken for a letter grade.</p> <p>① ② A course graded D or F cannot be used to satisfy a course prerequisite or to satisfy major or general education requirements. Credits earned with a D will not count toward satisfactory academic progress. Any course graded P is equivalent to a C or better and can be used to satisfy general education requirements and will count towards satisfactory academic progress.</p>	
<b>Incompletes</b>	<p>① ② The notation I (Incomplete) may be assigned when work for a course is of passing quality but is not complete. Prior arrangements must be made with the instructor for a grade notation of I. To remove the Incomplete, the student must file a petition and the completed course work by the deadline on the last day of the following quarter. If an I is not removed by the deadline, it will lapse to F or NP, depending on the grading option in effect. The F and the NP will appear on official transcripts, along with the removal of Incomplete notation.</p>	
<b>Repeats</b>	<p>① ② Undergraduates may repeat courses in which they earn a D, F, or No Pass. Courses in which a D or F is earned may not be repeated on a Pass/No Pass basis. Courses in which a grade of No Pass is earned may be repeated on the same basis or for a letter grade. Students may only repeat a maximum of 15 credits for courses in which a grade of D or F was received. In computing the GPA for these repeats, only the grade and corresponding grade points earned the last time the course was taken will be used. After the 15-credit maximum is reached, the GPA will be based on all grades assigned and total credits attempted. To repeat a course more than once, consult with your college adviser. Credit is not awarded more than once for the same course, but the grade assigned each time the course is repeated will be permanently recorded on the official transcript.</p>	
<b>Graduation Requirements</b>	<p>① No more than 25 percent of the UCSC credits applied toward graduation may be graded on a P/NP basis. This includes any credits completed in the Education Abroad Program or on another UC campus in an intercampus exchange program. Departments may require that some or all courses used to satisfy the major must be taken for a letter grade.</p> <p>① ② Students must complete all requirements for the major with a grade of P, C (2.0), or better. All undergraduates, regardless of when they entered UCSC, must meet the minimum UC GPA requirement of 2.0 in order to receive a degree from the University of California. See the statement of catalog rights regarding graduation requirements in effect for each student.</p>	<p>② There is no limit on the number of credits graded Pass/No Pass which may be applied toward graduation.</p>

# EVALUATING UNDERGRADUATE ACADEMIC PERFORMANCE

## Pass/No Pass Grading Option

Students may elect the Pass/No Pass grading option and may change their grading option in a course up to the 15th day of instruction. For the Pass/No Pass option, students receive a P for work that is performed at C or clearly passing level or better. For work that is not clearly passing, no academic credit is awarded; and students receive a NP (No Pass). **Beginning fall 2001, the grade notation NP appears on the official transcript in all cases, regardless of when a student was admitted.** For work that is passing, but incomplete, the grade notation I (Incomplete) may be issued.

### The following courses are not available for a letter grade:

Student Directed Seminars: Courses Numbered 42  
College Eight 10  
College Nine 193, 193F  
College Ten 193, 193F  
Cowell 10, 184A, 184B, 184C  
Biology 189  
Earth Sciences 190  
Economics 93, 191, 193, 193F, 198, 198F  
Environmental Studies 83, 84, 183, 184  
Film 198, 198F  
History of Art and Visual Culture 198  
Mathematics 1, 1E  
Merrill 10, 85A, 85B  
Oakes 10  
Physical Education (all courses)  
Politics 191  
Psychology 193, 198  
Social Sciences 194B  
Theater Arts 45  
Writing 10A-B-C, 11A-B-C, 20, 21, 22, 180, 191D

## Letter Grading Option

Before the Grade Option deadline (the 15th day of instruction), confirm your letter grade request for each course on the MyUCSC portal.

## In Progress Notations

The notation IP (In Progress) is reserved for a single course extending over two or three terms of an academic year. The grade for such a course may be awarded at the end of the course and shall then be recorded as applying to each of the terms of the course. A student satisfactorily completing only one or two terms of a course, extending over two or three terms of an academic year, will be given grades for those terms. The grade option selected in the first quarter of the multiple term sequence applies to all quarters of the sequence.

## Grade Changes

Incomplete grade notations of "I" must be changed

to final grades, based upon work submitted to the instructor, within the deadline for Incompletes. Other grade changes can be made by the instructor only on the basis of clerical or procedural error and never on the basis of reexamination or completion of additional work.

## Accessing Grades

You may access your grades for any quarter via the MyUCSC portal. Grades are usually available about one week after the end of the quarter.

## Catalog Rights

Effective for all undergraduates who entered in fall quarter 1993 or after, students may follow the degree requirements from either the UCSC General Catalog published at the time of entering UCSC or subsequent catalog(s). Students need not follow a catalog in its entirety, but may elect to follow different catalog years for their college requirements, university and general education requirements, the requirements of their major(s), and the requirements of any minor(s).

Catalog year will initially be set for the first year of enrollment at UCSC. Students may elect to follow requirements from other catalog year(s) when filing the Proposed Study Plan/Declaration of Major/Minor. All requirements for graduation outlined in the catalog(s) selected must be met before graduation. Changing catalog year(s) is done by submitting a new Proposed Study Plan/Declaration of Major/Minor.

Students transferring from other collegiate institutions may elect to meet as graduation requirements

one of the following:

- those in effect at the time of transfer to UCSC;
- those subsequently established; or
- those in effect when the student entered a previous collegiate institution, provided that entry was not more than three years prior to the time of transfer to UCSC.

Students who seek readmission to UCSC after a break in attendance greater than two years (six regular quarters) must adhere to the graduation requirements in effect at the time of readmission or those subsequently established.

Students who entered prior to 1993 should see an adviser. Their catalog year(s) for graduation, whether the year they entered UCSC or subsequent year(s), will be decided at the discretion of their major department and/or their college.

## Undergraduates Who Entered UCSC Prior to Fall 1997

Guidelines for undergraduates who entered UCSC between fall 1997 and spring 2001 also apply to undergraduates who entered UCSC prior to fall 1997, with the following exception: those who entered prior to fall 1997 may elect letter grades, but a grade-point average will not be displayed on the official transcript. All undergraduates, regardless of when they entered UCSC, must meet the UC minimum GPA requirement in order to receive a degree from the University of California: 2.0 calculated from all UCSC letter-graded courses and from all letter-graded courses taken at other UC campuses and through the Education Abroad Program.

## Grade Point Average

The grade point average is determined by dividing the number of grade points earned by the number of credits attempted for a letter grade. The number of grade points earned for a course equals the number of grade points assigned multiplied by the number of course credits. For example, suppose a student takes three 5-credit courses and receives grades of A-, B-, and C+.

Grade	Grade Points*	Course Credits	Total Grade Points*
A-	3.70	5	18.50
B-	2.70	5	13.50
C+	2.30	5	11.50
Total		15	43.50

$$43.50 \text{ divided by } 15 = 2.90 \text{ GPA}$$

Grade points are assigned to each letter grade as shown below.  
Grades shown in bold (W, I, IP, P, NP) are not included in the UCSC GPA.

A+ = 4.00	B+ = 3.30	C+ = 2.30	F = 0.00	<b>IP = 0.00</b>
A = 4.00	B = 3.00	C = 2.00	<b>W = 0.00</b>	<b>P = 0.00</b>
A- = 3.70	B- = 2.70	D = 1.00	<b>I = 0.00</b>	<b>NP = 0.00</b>

\*UCSC calculates grade point average to the second decimal place only.

# EVALUATING GRADUATE ACADEMIC PERFORMANCE

## Graduate Students

### Satisfactory/Unsatisfactory Grading and the Letter Grade Option

Beginning fall 1997, all graduate students in graduate or undergraduate courses will be graded Satisfactory (S) (equivalent to a B or better), Unsatisfactory (U), or Incomplete (I). Graduate students also have the option of receiving a letter grade of A, B, C, D, or F in most courses. The grades of A or B shall be awarded for satisfactory work. Grades of C or D will not satisfy any course requirement for a graduate degree at UCSC.

In order to receive a letter grade, you must enter your letter grade request no later than the 15th day of instruction for **each class in each quarter**.

### Evaluations

Graduate students receive an evaluation for all courses except those with no credit value.

### Incompletes

An Incomplete grade notation may be assigned when the graduate student's work is of passing quality but is incomplete. See the *Graduate Student Handbook* for complete instructions about arrangements to receive and to remove an Incomplete grade notation.

### In Progress

The notation IP (In Progress) is restricted to certain sequential courses that extend over two or three quarters of an academic year. The grade option you select in the first quarter of the multiple term sequence applies to all quarters of the sequence. You receive the same notation for each course upon completion of the two- or three-quarter sequence, and the final grade is applied to all quarters.

### Repeating Courses

Graduate students may repeat a course in which they earn a grade of C, D, F, or U. Degree credit for a re-

peated course will be granted only once, and the most recently earned grade will be used to determine whether a degree requirement has been met.

## UCSC Graduate Grading Policies

	<b>Satisfactory/Unsatisfactory Grading</b>	<b>If You Elect a Letter Grade</b>
<b>Enrollment</b>	You must request Satisfactory/Unsatisfactory grading by the published deadline.	You must request a letter grade by the published deadline.
<b>Available Grades</b>	You will be graded S (equivalent to a B or better), U (unsatisfactory), or I (Incomplete).	You will be graded A, B, C, D, F, or I (Incomplete).
<b>Degree Requirements</b>	If you receive a U, the course cannot be used to satisfy a degree requirement.	If you receive a C, D, or F, the course cannot be used to satisfy a degree requirement.
<b>Incompletes</b>	An I (Incomplete) may be assigned if your work is of passing quality, but is incomplete. You must petition to remove the I and submit the completed course work to the instructor by the end of the third quarter following that in which the grade notation I was received unless the instructor or department specifies an earlier date. If you fail to file the petition and complete the work, or if the instructor does not submit an S, the Incomplete will be changed to a U.	An I (Incomplete) may be assigned if your work is of passing quality, but is incomplete. You must petition to remove the I and submit the completed course work to the instructor by the end of the third quarter following that in which the grade notation I was received unless the instructor or department specifies an earlier date. If you fail to file the petition and complete the work, or if the instructor does not submit an A, B, C, or D, the Incomplete will be changed to an F.
<b>Repeats</b>	You may repeat courses graded Unsatisfactory.	You may repeat courses graded C, D, or F. Credits are counted once, and the most recently earned grade determines whether a degree requirement has been met.

### Either way

- Graduate students enrolled in physical education courses will be graded Pass/No Record.
- Graduate students enrolling in undergraduate courses will be graded as outlined above.

## GENERAL INFORMATION

This section includes an alphabetical listing of information important to all students. Detailed descriptions of academic policies and procedures are found in *The Navigator*, at [reg.ucsc.edu/navigator](http://reg.ucsc.edu/navigator), and in the *Graduate Student Handbook*, at [grad.ucsc.edu/hand-Book.html](http://grad.ucsc.edu/hand-Book.html).

### Academic Integrity

All members of the UCSC academic community have an explicit responsibility to present as their original work only that which is truly their own. Cheating, plagiarism, and other forms of academic dishonesty are contrary to the ideals and purposes of a university and will not be tolerated. Note that plagiarism includes the deliberate misrepresentation of someone else's words and ideas as your own, as well as paraphrasing without footnoting the source. Students and faculty are jointly responsible for assuring that the integrity of scholarship is valued and preserved.

To view the full text of the policy on academic dishonesty, see [www.ucsc.edu/academics/academic\\_integrity](http://www.ucsc.edu/academics/academic_integrity).

### Due Process

Students charged with academic dishonesty have the right to due process through established policies and regulations concerning student conduct and discipline. Copies of these policies and regulations can be found in the *UCSC Student Policies and Regulations Handbook* ([www2.ucsc.edu/judicial/](http://www2.ucsc.edu/judicial/)).

### Academic Standing and Minimum Progress

Full-time undergraduate students at UCSC are expected to enroll in and earn a grade of C or better (or P) in an average of 15 credits per quarter, completing the 180 credits needed for graduation in four years. Extensions of enrollment beyond the equivalent of 12 full-time quarters require the approval of your college.

Your college will regularly check to ensure that you are making (at least) **minimum progress** toward completing your degree and, at the end of each term, will determine whether you are in **good academic standing**. If you do not pass enough credits with a grade of C or better (or P), you may be placed on **academic probation**. If your academic standing or progress falls below minimally acceptable levels, you may be **disqualified** from further enrollment in the university.

### Address Changes

It is important for UCSC offices to have access to accurate address information for all UCSC students. UCSC relies on the addresses on the MyUCSC portal to send you official information. You must update your address each time you change your residence, or you will miss important documents and deadlines. Read through the definitions below to understand the different types of addresses maintained by UCSC before making changes.

**Mailing (year round):** This should always be your current address. It is your responsibility to keep this address up to date and prevent important campus mail from being misdirected.

- Billing statements are mailed to the local address unless you establish a third-party billing address. Mailings to this address may include credit balance refunds and general mailings from campus units. The Financial Aid Office uses this address for all mailings during the academic year.

- During fall, winter, and spring quarters, you may use a college address as your local address. **Summer:** After spring quarter ends and before fall quarter begins, a college address is not a valid local address. For this reason, it is important to keep your mailing address updated during the summer, so you do not miss important communications and deadlines.

**Permanent (year round):** This address may be the same as your local address or the address of a relative, but it may not be your college address. Your diploma will be sent to this address. The Financial Aid Office uses this address during the summer if mail is returned, and they have been unable to contact you using other addresses.

**Billing (year round):** If you would like your Statement of Account mailed to a third party, such as your parents, grandparents, or guardian, you must establish a billing address. Billing addresses are used only for statements going to someone other than you.

**Foreign:** Required for students on F and J (non-immigrant) visas.

**Residence:** Required for students on F and J (non-immigrant) visas.

**Request for Nonrelease of Public Information:** University policy, consistent with the Family Educational Rights and Privacy Act of 1974 as amended, permits disclosure of certain categories of public information.

At UCSC the following information is considered to be a matter of public information and will be disclosed unless the student has requested that it be withheld:

- student's name;
- mailing address;
- e-mail address;
- local telephone number;
- college and major field of study;
- dates of attendance;
- class level;
- degrees and honors received;
- number of credits currently enrolled;
- name, weight, and height of participants on intercollegiate athletic teams.

To have this information withheld from release, go to the UCSC Directory Restrictions link on the MyUCSC portal. Be sure that you understand the implications of requesting a Nonrelease of Information. Every single item listed above will be withheld. The Office of the Registrar cannot verify your student status for a potential employer, publicize any honors you receive, or include your name and degree earned

in the commencement program unless you remove the Nonrelease of Information. Once a Request for Nonrelease of Public Information is filed, it remains in effect until you rescind it via the MyUCSC portal.

If you have any questions about the implications of the Nonrelease of Public Information, contact the Office of the Registrar, 190 Hahn Student Services, (831) 459-4412.

### Administrative Cancellation

Your student status may be cancelled by the campus administration at any time for the reasons listed below. If you

- are barred from enrollment for one or more quarters for academic deficiencies;
- are disqualified for academic deficiencies;
- receive disciplinary action;
- fail to respond to official university notices;
- fail to settle financial obligations; or
- fail to enroll in classes.

Cancellation for any of the first three reasons will be noted on your official academic record.

Administrative cancellation means that your enrollments are dropped, financial aid is cancelled, and you are ineligible to use campus services reserved for students. The registration fee refund, if applicable, is determined by the effective date of the administrative cancellation.

### Advance Course Information

Advance Course Information (ACI) is designed to complement advance enrollment. It supplies more course information online than is available through the *UCSC General Catalog*.

Also available via ACI are book lists for the current quarter. These are arranged by department and are provided by the Bay Tree Bookstore. To get to the ACI web page directly, go to [reg.ucsc.edu/soc/aci](http://reg.ucsc.edu/soc/aci).

Faculty participation in ACI is voluntary; therefore, information is not available for all classes. If you have any questions, comments, or ideas, you can e-mail ACI at [aci@ucsc.edu](mailto:aci@ucsc.edu).

### Advising

Advisers are available in the colleges to assist undergraduates with general planning issues, such as choosing appropriate course loads, maintaining good academic progress, and integrating majors and minors in an overall academic plan. Advising for specific major and minor programs is offered at the departments. Students may also consult with faculty, career counselors, educational opportunity advisers, psychological counselors, and disability resource specialists, among others.

### Announcement of Candidacy

To be a candidate for the bachelor's degree, you must

## GENERAL INFORMATION

file an Announcement of Candidacy at the Office of the Registrar by the posted quarterly deadline.

If you announce your candidacy for a degree but do not complete the requirements for graduation, you will not automatically be considered a continuing student for the subsequent quarter. Go to the Office of the Registrar to cancel or reschedule your announcement of candidacy and to receive enrollment and fee payment instructions.

### Auditing of Classes

You may audit (sit in on) a regular course with the permission of the instructor in charge. The instructor may allow you to attend course meetings but only if adequate facilities are available after all students who wish to enroll officially have done so. The instructor is not obligated to devote time to your work. Auditors ordinarily do not write papers or take exams. Since you are not enrolled in the class, there is no record kept; and you receive no grade notation, evaluation, or credit. You are not eligible to audit classes if you've been barred or disqualified for academic or disciplinary reasons, have withdrawn, or are on leave of absence.

### Cancelled Courses

Occasionally, it is necessary for a sponsoring agency to cancel a course after students have advanced enrollment. Whenever possible, the course-sponsoring agency will notify enrolled students about the cancellation. Check the *Schedule of Classes* ([reg.ucsc.edu/soc](http://reg.ucsc.edu/soc)) on the web for updates. View your enrollments online for cancellations or changes in meeting times, days, or location.

### Certificate of Completion of Degree

For a \$5 fee, you may request a Certificate of Completion of Degree, which includes your name, the date your degree will be awarded/was awarded, major, college, and honors, if any. A certificate can be prepared if you have announced candidacy for the quarter, and all requirements have been completed as verified by the Office of the Registrar and your department. Its use is limited to providing verification of a pending/awarded degree. Universities usually require a complete official transcript.

### Certification of Student Status for Outside Agencies

The Office of the Registrar is the only agency on campus authorized to certify student status and academic standing for outside agencies such as student loan institutions, insurance companies, child care programs, banks, and employers. You may request enrollment certification in person or by mail.

If you need a certification of student status to defer a federally insured student loan, your request

will be forwarded to the National Student Loan Clearinghouse for processing. Most lenders contact this agency directly for confirmation of student status.

If you are registered and enrolled, a certification for the current academic year may be requested from the Registrar's Office at 190 Hahn. Valid photo identification is required. Certifications requested after noon will be ready for pickup after 1 P.M. the following day.

### Computing Facilities and Services

UC Santa Cruz is rapidly expanding its computing environment. We want you to be aware of computing facilities and services so that you can take full advantage of the campus computing resources. Here are the key points:

- Students are expected to communicate via e-mail using a UC Santa Cruz Identity, which is your e-mail address and account as well as electronic login and password to many services, such as the network, computing labs, portal, and other services. Your UC Santa Cruz Identity is assigned when you enroll for classes, before you come to campus in the fall quarter. There is no cost for your UC Santa Cruz Identity.
- UC Santa Cruz has a wireless network called CruzNet, with coverage in most student areas of campus. This means that if you have a laptop computer with a wireless network card, you'll be able to sit down with a group of classmates in a serene setting among the redwoods, at a cafe or library to do your homework, and still have network access. Because of the wireless access, we highly recommend that you purchase a laptop or notebook computer. We have included minimum specifications below.
- The campus offers a high-speed residential data network called ResNet to all students living in university residential areas. The service cost is included in the housing fees. There are no additional fees for students who live in university residential areas to use the service, which includes technical support (by phone, or room visits when necessary) provided by ResNet staff.
- If you don't own a computer, or would like to work on homework assignments that require specialized software, there are 12 Instructional Computing labs across the campus. Each lab is open to all students.

### Information Technology Services (ITS)

ITS provides computing, network, telecommunication, media services, and instructional technology services to the campus. Central computing facilities provide universal services such as electronic mail, web, and file services. See [its.ucsc.edu](http://its.ucsc.edu). ITS operates the UC Santa Cruz campus network, which interconnects

personal computers, workstations, workgroup LANs, instructional computing labs, central computing facilities, and computer-equipped classrooms with each other, on-campus resources, and the Internet. In addition, a wireless access service called CruzNet is available to mobile users at some 200 locations. See [cruznet.ucsc.edu](http://cruznet.ucsc.edu) for more information. On-campus network resources include academic, library, and administrative computing, database and information servers.

### Purchasing a Computer?

If you are planning on buying a new computer, UC Santa Cruz recommends purchasing a laptop with both wired and wireless network capability. Last year, 98 percent of students who came to campus had a personally owned computer in their residential housing room.

An excellent source for purchasing computers and computer products is the university's Bay Tree Bookstore, right on campus, [slugstore.ucsc.edu](http://slugstore.ucsc.edu), phone (831) 459-2082. Through university-negotiated contracts, the bookstore offers a full line of Apple and Dell computers, as well as software and peripheral equipment. Because of your student status, pricing is almost always below outside market prices. And the bookstore works closely with campus computing specialists to be certain the equipment you buy will meet campus specifications, both wired and wireless. As an added convenience, Apple products can be ordered in advance through the bookstore, and be ready for pick-up when you arrive on campus.

Technology vendors frequently use the "Back-To-School" time frame for additional special pricing, so you might want to check with the Bay Tree Bookstore in July and August as you begin thinking about shopping for a computer. The Bay Tree Bookstore staff can help you make the right choices for your campus computing needs.

### PC or Mac?

The campus community embraces both PCs and Macs, and in some circles, Unix-based Sun Solaris and Linux are popular. The Humanities Division and the Arts Division both are heavily Mac-oriented. The Social Sciences Division and the Physical and Biological Sciences Division use both Macs and PCs. The School of Engineering is primarily PC/Windows and PC/Linux (as well as Sun Solaris), and there is an emerging interest in Macintosh with the Unix-based OSX environment.

If you are purchasing a PC, we recommend you purchase a laptop including a Pentium processor with a minimum 1.5GHz or equivalent microprocessor, 512MB or more of RAM, and a minimum 30GB hard drive. Please include a CD writer to use for backing up files. In general if you are purchasing a PC computer (and are not interested in repairing a computer yourself) we recommend that you purchase a computer manufactured by a major vendor such as Dell, which is highly rated for reliability and service. For software on a PC, we recommend Microsoft Windows XP, with

## GENERAL INFORMATION

Microsoft Office, which includes Microsoft Word. Most faculty are accustomed to receiving student papers in Microsoft Word files.

If you are purchasing a Macintosh, a minimum of 1.2GHz processor is recommended. We recommend 512MB or more of RAM, and a minimum 30GB hard drive, running Mac OS X. All new Mac PowerBooks are recommended.

CruzNet is designed for use with wireless network cards that are Wi-Fi compliant, IEEE 802.11b. WPA (Wi-Fi protected access) security is desirable but not required at present. The UCSC Bookstore maintains a stock of recommended wireless network cards.

*Note: cordless 2.4Ghz phones can interfere with the wireless network, so if you intend to bring a cordless phone to campus please obtain one that operates at 900 MHz instead.*

For more recommendations on computer hardware and software please visit the ResNet web site at [resnet.ucsc.edu](http://resnet.ucsc.edu). If you are not purchasing a new computer but bringing your own computer, please have at least 256MB memory, and Microsoft XP operating system. ResNet's minimum computer standards are posted at [resnet.ucsc.edu/newstudents](http://resnet.ucsc.edu/newstudents).

### Your UC Santa Cruz Identity Account is Pre-assigned

Your UC Santa Cruz Identity Account is your UCSC identity for e-mail. Faculty and other campus representatives will send e-mail about classes, important reminders, and information about student services to this account. For example, your UCSC address ([youraccount@ucsc.edu](mailto:youraccount@ucsc.edu)) shows up on e-mail lists that faculty use for classes. In addition to e-mail, this same UCSC account gives you access to the campus Instructional Computing Labs, dial-up network access from off-campus, and the central Unix timeshare systems. Every UC Santa Cruz student is assigned a UCSC Identity account upon enrollment. You can activate your pre-assigned UC Santa Cruz Identity through the MyUCSC Portal at [my.ucsc.edu](http://my.ucsc.edu).

Students are expected to monitor their UC Santa Cruz Identity for important e-mail messages from faculty, staff, and other students.

The university provides CruzMail, a web-based e-mail client, as well as anti-virus software to keep your machine virus-free. The university also has 13 computer labs located at most of the colleges and a number of academic buildings.

### Computing Facilities and Policies

Campus academic divisions may also provide computing facilities and services to serve their specific disciplines. There may be additional rules or policies associated with these discipline-specific services and facilities. Please contact your department assistants for more information on divisional resources.

Because the Internet is a dynamic environment, you should be aware of the following:

- Students using UC Santa Cruz computing facilities and services must comply with the

University of California state and federal policies and laws referenced at [security.ucsc.edu/policies.shtml](http://security.ucsc.edu/policies.shtml). While that web page lists many of the university policies, it is in no way meant as an exhaustive and complete list. New regulations and policies and procedures are constantly evolving. Laws, policies, or other regulations on aspects not specific to networks or computing may also apply, e.g., student conduct, personnel policy or contract, sexual harassment laws, chain letter laws, or other regulations.

- Web pages at UC Santa Cruz (and beyond) are expanding and changing rapidly. Please send questions regarding any information found on the web to the web page author listed at the bottom of each web page.
- Please send questions or concerns about electronic abuses or harassment via e-mail to [abuse@ucsc.edu](mailto:abuse@ucsc.edu).

### Network and Phones for Students Living on Campus

ITS Telecommunications partners with Colleges and University Housing Services to provide in-room Internet access (called ResNet) and a university-owned and operated telephone system. Network services are available to undergraduate and graduate students living in university housing (except for the Camper Park). For assistance with network connections, students can contact ResNet at [resnet@ucsc.edu](mailto:resnet@ucsc.edu) or call (831) 459-4NET. Please check the web site at [resnet.ucsc.edu](http://resnet.ucsc.edu) for more information.

Local telephone service is provided in every student room (except for the Camper Park and Family Student Housing). There is one telephone line for each single and double room, and two telephone lines in each room with three or more residents. Students must provide their own telephones and must use calling cards to place long distance calls. Each telephone line also includes a voicemail box. Because the campus voicemail system picks up all unanswered calls, we recommend that students not use an answering machine in their campus residences. Call (831) 459-3111 or e-mail [telephone@ucsc.edu](mailto:telephone@ucsc.edu) for more information on telephone services.

### Modem Access for Students off Campus

If you want to connect from off-campus, you can connect via a university modem pool at no charge, but with limited connection hours per week. See [its.ucsc.edu/services/hardware/modems.php](http://its.ucsc.edu/services/hardware/modems.php) for more information on this topic and information on configuring your computer software for these options.

### Computing Labs for Drop-in Use and Academic Classes

Instructional Computing manages 12 computer labs throughout the campus. These labs have more than 360 computers available for students to use, including PCs, Macs, and Sun workstations. Wireless access is

available in most labs.

The computing labs are used like classrooms; they can be reserved by faculty or teaching assistants for instruction. When not reserved for instruction, the labs are available to students on a walk-in basis. Even if they are not teaching in the labs, many faculty request academic software to be installed in the labs so that their students can complete homework assignments. Every IC lab is open to every student, no matter what his or her major.

Faculty or teaching assistants can request Instructional Computing staff to conduct training sessions as part of an academic course. Contact Robin Ove, Faculty Instructional Technology Center manager, [fitc@ucsc.edu](mailto:fitc@ucsc.edu), for more information.

More extensive lab information, including hardware and software specifications and hours of operation, is available at [ic.ucsc.edu](http://ic.ucsc.edu).

### Academic Course Materials on the Web

The WebCT course management system is a tool to create sophisticated web-based course materials to supplement, but not replace, classroom instruction. WebCT uses a web browser as the interface for the course. Faculty using WebCT can incorporate a wide variety of tools in their course site such as a course calendar, student conferencing system, electronic mail, group projects with student-created web pages, and quizzes. Outside of class time, students can use WebCT to view course materials, participate in web-based class discussions, collaborate on student group projects, and take quizzes. Faculty can use WebCT to see what materials students have viewed before they arrive in class. When faculty administer pre-class quizzes on WebCT, they can see what concepts students understand before class and then tailor the lecture accordingly. Students must have established their UCSC account to be enrolled in WebCT courses. See more information about WebCT and other UCSC course web sites at [ic.ucsc.edu/docs/webct](http://ic.ucsc.edu/docs/webct) and [ic.ucsc.edu/courses](http://ic.ucsc.edu/courses).

### Need Disability Accommodations for Computing?

If you have a disability and require adaptive or assistive technology to use lab computers, library facilities, or other campus services, please contact the Disability Resource Center (DRC) right away so that they can coordinate services for you. Instructional Computing labs have common adaptive technologies—such as enlarged type for students with low vision and Dvorak keyboards for students with repetitive strain injuries. If you need accommodations, please call the DRC at (831) 459-2089 (voice), or (831) 459-4806 (TTY).

### Need Computing Help?

#### Information Technology Services (ITS) Support Services

You may find the answer to your question at [ic.ucsc.edu/help](http://ic.ucsc.edu/help).

## GENERAL INFORMATION

If you need additional help with computer accounts, network access, or general computer questions, please contact the ITS Help Desk. The Help Desk is located at Kerr Hall. Support for students is in room 62 and support for faculty and staff is in room 54.

The ITS Help Desk provides help to faculty, staff and students with computer-related support requests. Help is available the following ways:

- 1) Online using a web form: <http://itrequest.ucsc.edu>
- 2) Call the ITS Help Desk: Ext. 9-HELP (4357)
- 3) Email: [help@ucsc.edu](mailto:help@ucsc.edu)
- 4) Walk-in support: Kerr Hall Room 54/62, M–F 8am–5pm

### Need a Job?

Instructional Computing has about 100 student staff positions, including lab consultants, who staff labs and assist students; student technicians, who maintain lab hardware and software; and web developers, who work on project teams to produce academic course sites. Please see [iclabs.ucsc.edu/apply](http://iclabs.ucsc.edu/apply) for more information about the computer lab positions. See [ic.ucsc.edu/faculty/webdev/](http://ic.ucsc.edu/faculty/webdev/) for information about the web developer program, and e-mail [fitc@ucsc.edu](mailto:fitc@ucsc.edu) if you want to apply.

The Information Resource Center hires student consultants through the UCSC Career Center. For more information, see [www2.ucsc.edu/careers/](http://www2.ucsc.edu/careers/).

### Related Information

- Information Technology Services: [its.ucsc.edu](http://its.ucsc.edu);
- Computing Frequently Asked Questions: [ic.ucsc.edu/help/](http://ic.ucsc.edu/help/);
- Bay Tree Bookstore (computer purchase): [slug-store.ucsc.edu](http://slug-store.ucsc.edu);
- CruzNet wireless network: [cruznet.ucsc.edu](http://cruznet.ucsc.edu);
- ResNet: [resnet.ucsc.edu](http://resnet.ucsc.edu);
- Activate your UC Santa Cruz Identity Account (free for students who have enrolled): MyUCSC Portal at [my.ucsc.edu](http://my.ucsc.edu);
- Instructional Computing Labs for Students (also see link to apply for student lab jobs): [ic.ucsc.edu](http://ic.ucsc.edu).

### Cross-Enrollment

The cross-enrollment program permits UCSC students who meet certain eligibility criteria to enroll in one undergraduate course, on a space-available basis each quarter or semester, at a California community college or California state university. The host campus may charge an administrative fee each quarter, and students must reapply each quarter they wish to cross-enroll at another campus. The fee is \$18 per unit.

*Note:* not all community colleges participate in the cross-enrollment program; contact the institution where you wish to enroll for information.

### Lost and Found

The first place to go for lost and found items is the

nearest college or department office. Items that are not claimed from these offices are taken to the University Police Office, located in the H Barn near the main entrance to the campus, (831) 459-2231.

### MyUCSC Portal Password

Your password is required each time you use the MyUCSC portal. Your password is assigned to you when you receive your student identification number.

We strongly suggest that you change your password and set up a password hint the first time you access the MyUCSC portal. You may select a minimum of 8 characters (one character must be a numeral) as your new password. You may also change your password any time thereafter.

It is extremely important that your password remain confidential. Do not give it to anyone. If you forget your password or believe the privacy of your password has been compromised, e-mail [ais-help@ucsc.edu](mailto:ais-help@ucsc.edu) to reset your password.

### Name Change

Name Change petitions are available at the Office of the Registrar. A student who is currently enrolled or announcing candidacy and is requesting an official name change on his or her academic records must complete this form and present it, in person, at the Office of the Registrar. You must submit documentation showing legal change of name (court order) or use of requested name on official documentation (e.g., drivers license, social security card, passport, marriage certificate, etc.). You may also correct your name at the Office of the Registrar if, for example, it is misspelled or the punctuation is incorrect. Be prepared to show proof of the correctly spelled name.

When you file a Name Change petition, you may also order and pay for a new student ID card at the Bay Tree Bookstore Building.

### Nonrelease of Public Information

The following information is considered public information and may be disclosed: name, college or local address, e-mail address, local telephone number, college and major field of study, dates of attendance, class level, enrollment status, intercollegiate athlete's height and weight, and degrees and honors received.

To have this information withheld from release, select the Personal Information link on the MyUCSC portal, then click on Directory Restrictions. Be sure that you understand the implications of filing this request. Every single item listed above will be withheld.

Once a Request for Nonrelease of Public Information is filed, it remains in effect—even after you are no longer attending UCSC—until you request to rescind it via the MyUCSC portal, or by letter.

### Student Identification Card

A plastic card bearing your picture is issued the first quarter of enrollment, generally during college orientation.

Each quarter the college (department for graduate students) issues a validation sticker to be affixed to your ID card. The sticker is issued once you have completed registration and is available beginning the first day of the quarter. The card with the current quarter sticker is proof that you are registered. The college or department will not issue a sticker if your quarterly fees are unpaid. Go to the Office of the Registrar to complete your registration, and a sticker will be provided.

### Transcript Information

A transcript is an official copy of a student's academic history at UCSC. Transcript requests are not processed if you have outstanding financial obligations to the university. If you received a message after ordering your transcripts that indicates you have a hold on your transcripts, please contact Student Business Services via e-mail at [oarinfo@ucsc.edu](mailto:oarinfo@ucsc.edu). Two versions of your official UCSC student records are available from the Office of the Registrar: with or without evaluations.

#### Transcripts with evaluations include:

Courses graded P, A, B, C, D, F, W, or I. NP will appear for courses taken fall 2001 and after. The grades of A and B may be modified by a plus (+) or minus (-). The grade C may be modified by a plus (but not by a minus). Incompletes lapse at the end of the subsequent quarter; in letter-graded courses, the I lapses to an F, in Pass/No Pass grading, to a No Pass.

Degrees awarded, honors, number of transfer credits, evaluations of courses, and an evaluation of comprehensive examination or senior thesis also appear.

The fee is \$10 per copy.

#### Transcripts without evaluations include:

Courses graded P, A, B, C, D, F, W, or I. NP will appear for courses taken fall 2001 and after. The grades of A and B may be modified by a plus (+) or minus (-). The grade C may be modified by a plus (but not by a minus). Incompletes lapse at the end of the subsequent quarter; in letter-graded courses, the I lapses to an F, in Pass/No Pass grading, to a No Pass.

Degrees awarded, honors, and number of transfer credits also appear.

The fee is \$5 per copy.

#### Requesting a Transcript

The fastest way to order a transcript is via the web with a credit or debit card. Credit/debit card orders must be requested through Credentials Inc., a vendor that provides this service through an agreement with UC Santa Cruz. To use the online

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ordering system, go to [reg.ucsc.edu](http://reg.ucsc.edu) and click on Ordering UCSC Transcripts. Under Ordering by Credit Card, select the Credentials Inc. icon. This is a secure, encrypted site. The charge for using this service is \$1.75 per transcript.

If you are unable to order your transcript online, you may request a Transcript Order Form by e-mailing the Office of the Registrar at [registrar@ucsc.edu](mailto:registrar@ucsc.edu). Transcript-ordering information is also available by calling (831) 459-4412.

### Transcript Availability

Transcripts are available as follows:

- approximately 10 days after the end of the quarter to include grades, or
- approximately six weeks after the end of the quarter to include evaluations or a degree if applicable.

### Processing/Mailing Time

Allow one to two weeks for processing from the time your request is received by our office. During the peak period (November through February), processing may take longer.

You may request and pay an additional fee for your transcript to be mailed via next-day service. This service provides fast delivery and a receipt that the transcript was received by the recipient. This service expedites transit time, not processing time. Federal Express is used for all destinations, except post office boxes, in which case the transcripts are sent by U.S. Postal Express. The additional charge for Federal Express within the U.S. is \$20. The additional charge for Federal Express outside the U.S. is \$30 per transcript (with or without evaluations). Please note that if the appropriate fee has not been received for next-day service, your transcript will be sent via regular mail.

### UCSC Extension Transcripts

Transcripts for UCSC Extension courses must be ordered from UCSC Extension, 1101 Pacific Ave, Suite 200, Santa Cruz, CA 95060, (831) 427-6600, or via the web at [www.ucsc-extension.edu](http://www.ucsc-extension.edu).

### Veterans and Veterans' Dependents

Veteran Services, a part of the Registrar's Office located in 160 Hahn Student Services, serves as a liaison between the Department of Veterans Affairs (DVA) and students who, as veterans, veterans' dependents, or reservists, receive education benefits. The staff also assists with the Cal Vet program, which offers fee waivers to California residents who are dependents of veterans who have died or are disabled due to service-related causes.

If you are a veteran or veteran's dependent, to ensure timely processing of your benefits claim, contact Veteran Services as soon as you receive notification of admission to UCSC. Call 459-1358 for further information.

### Satisfactory Progress Towards a Degree Objective

Veterans and veterans' dependents who receive educational benefits are expected to make satisfactory prog-

ress towards completion of a degree objective. Until you have decided on a major (degree objective) and have a study plan on file, benefits will be paid only for general education courses and adviser-recommended remedial courses. If you remain on academic probation beyond two quarters without improvement, your benefits shall be subject to suspension.

Dropping a course or requesting a W grade notation will affect your payments; you are responsible for promptly reporting the drop or W to Veteran Services. If, due to mitigating circumstances, you drop a course or withdraw from the university, the reduction or termination of payments will begin on the effective date of the drop. If mitigating circumstances cannot be shown, the DVA will consider the effective date to be the first day of the quarter in which the drop or withdrawal occurs, and you will be charged for an overpayment from the first day of the quarter. A mitigating circumstance is defined as a circumstance beyond the student's control that hinders the student from pursuing a program of studies.

Please note that you cannot be paid for auditing a course.

### Transfer Credit

The amount of transfer credit which satisfies UCSC graduation requirements (including major requirements) is reported to the Department of Veteran's Affairs as "credit for prior training." The DVA will pay only for the maximum number of quarters required to complete 180 credits.

### Taxpayer Relief Act of 1997

The Taxpayer Relief Act of 1997 includes a number of educational tax benefits that may have an impact on students and their families. The act includes the following sections that involve the university reporting information on students to the Internal Revenue Service.

- Hope Scholarship Tax Credit (effective 1/98): a nonrefundable credit equal to a maximum of \$1500 in out-of-pocket qualified tuition and fee expenses paid by or on behalf of a student for two tax years during which the student is enrolled at least half time in the first or second year of post-secondary education leading to a recognized degree or certificate.
- Lifetime Learning Credit (effective 7/98): a nonrefundable credit equal to 20 percent of the \$5,000 of qualified out-of-pocket tuition and fee expenses paid by or on behalf of a student enrolled in post-secondary course work at the undergraduate or graduate level leading to a recognized degree or certificate or to improved job skills.
- Student Loan Interest Deduction (effective 1/98): a deduction from income of up to \$1000 in qualified education loan interest due and paid during the first 60 months of repayment.

To find out if you qualify for benefits under these or other provisions of the Taxpayer Relief Act, please contact a tax consultant; or call the Internal Revenue Service. Beginning January 1999, information reported to the IRS was available at [www.1098-T.com](http://www.1098-T.com) or 1-877-467-3821, toll free. The University of California is not authorized to respond to tax questions.

### Crime Awareness and Campus Security Act

In compliance with the federal Crime Awareness and Campus Security Act, UCSC publishes information on campus security and crime statistics. A publication containing this information is published annually and made available to all students and UCSC employees. The publication is posted on the web: [www2.ucsc.edu/police](http://www2.ucsc.edu/police).

### Federal Student Right-to-Know Act

The following graduation-rate information is listed in compliance with the 1990 Title I: Federal Right-to-Know Act, Section 103. Based on recent data, 48.6 percent of students who entered UCSC as freshmen in 1999 graduated after four years, and 65.0 percent of those who entered in 1998 graduated after five years. In recent years, students who entered as freshmen took an average of four and one-half years to graduate, and students transferring to UCSC as juniors averaged two and one-half years. These graduation rates are well above the national averages.

In accordance with the Education Amendments of 1976, Section 493A, more detailed information regarding retention is available from the Office of Planning and Budget, University of California, Santa Cruz, 1156 High Street, Santa Cruz, CA 95064. More information is also available on the web at [planning.ucsc.edu/irps](http://planning.ucsc.edu/irps).

### Drug-Free Schools and Communities Act

In compliance with the federal Drug-Free Schools and Communities Act, UCSC annually notifies students, faculty, and staff of policies, procedures, and potential consequences related to unlawful possession, use, or distribution of drugs and alcohol on campus. This notice is distributed to students through the colleges and the Graduate Studies Division and to faculty and staff through campus mail. The university also conducts a biannual review of programs related to drugs and alcohol to determine effectiveness, implement changes, and ensure that disciplinary sanctions are consistently enforced. This review is conducted by the Office of the Vice Chancellor for Student Affairs, 459-4446.

### Smoke-Free Policy

To protect the rights of the nonsmoking campus community to breathe smoke-free air, UCSC has adopted a Policy for a Smoke-Free Environment. This policy prohibits smoking in all indoor areas of

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all nonresidential public buildings on campus and in common areas such as lobbies, lounges, waiting areas, and rest rooms of residential buildings. Smoking is also prohibited in the outside areas beside all building doorways, windows, and ventilation air intakes; this includes patios underneath building windows or other areas where smoke could enter openings to buildings. For more detailed information about the smoking policy, see the web: [www2.ucsc.edu/smoking](http://www2.ucsc.edu/smoking). Tobacco products will not be sold on campus either through vending machines or campus establishments. UCSC supports and assists efforts to stop smoking by providing literature and referrals to community cessation programs. Students may obtain information about the programs from the Cowell Student Health Center, (831) 459-2211.

### Nondiscrimination Statement

The University of California, in accordance with applicable federal and state law and university policy, does not discriminate on the basis of race, color, national origin, religion, sex, disability, age, medical condition (cancer-related), ancestry, marital status, citizenship, sexual orientation, or status as a Vietnam-era veteran or special disabled veteran. The university also prohibits sexual harassment. This nondiscrimination policy covers admissions, access, and treatment in university programs and activities.

Inquiries regarding the university's student-related nondiscrimination policies may be directed to the Office of Student Judicial Affairs, (831) 459-4446.

Inquiries regarding UCSC's Sex Offense Policy and Procedures for Reports of Sexual Assault(s) and Sexual Harassment and/or violations of Title IX may be directed to Rita E. Walker, Title IX coordinator/sexual harassment officer, (831) 459-2462, or by e-mail at [rew@ucsc.edu](mailto:rew@ucsc.edu).

Inquiries regarding the university's affirmative action, equal employment opportunity, and nondiscrimination policies for employment may be directed to the Equal Employment Opportunity/Affirmative Action Office, (831) 459-2686, or by e-mail at [cbene@ucsc.edu](mailto:cbene@ucsc.edu).

Inquiries regarding Section 504 or the Americans with Disabilities Act may be addressed to the director, Disability Resource Center, (831) 459-2089 (voice); (831) 459-4806 (TTY); or by e-mail at [drc@ucsc.edu](mailto:drc@ucsc.edu).

Alternate formats of this document—such as large-print, audiotape, braille, or electronic file—can be provided. Please call (831) 459-4446 for referral.

### Sexual Harassment and the Title IX/Sexual Harassment Office

For a copy of UCSC's Policy on Sexual Assault, the UC Policy on Sexual Harassment and Procedures For Reports of Sexual Assaults and Sexual

Harassment go to [www2.ucsc.edu/title9-sh/](http://www2.ucsc.edu/title9-sh/).

UC Santa Cruz takes the issues of sexual assault and sexual harassment seriously and is committed to ensuring that our campus community is free of violence, discrimination, and harassment.

The goal of the Title IX Office is to ensure that students, staff, faculty, and persons participating in university sponsored programs and events can learn, work, and/or enjoy the benefits and opportunities offered by the campus free from any uninvited, unwelcome, unsolicited, and unwanted conduct directed at them because of their sex. The Title IX/SHO is authorized by the chancellor to conduct the administrative investigation of all reports of sexual assault filed by students, staff, and faculty. Additionally, the Title IX/SHO receives and resolves reports and complaints of sexual harassment.

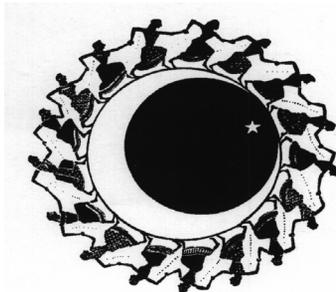
Any person who is the target of sex discrimination including sexual assault and sexual harassment should consult with the Title IX/sexual harassment officer at (831) 459-2462, or by e-mail at [rew@ucsc.edu](mailto:rew@ucsc.edu), to receive information and advice about your options and/or to file a report or complaint.

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# GENERAL EDUCATION REQUIREMENTS

## Overview of General Education Requirements

Designed to expose students to diverse subject areas, the general education requirements also stress a variety of approaches to acquiring knowledge. A description of the general education requirements and a complete list of current courses that satisfy general education requirements are included in this handbook.

Most current students follow the general education requirements at UCSC, which fall into nine areas and are described below.

Each area has a general education code associated with it, and only those courses carrying that code satisfy the requirement. The codes appear in the course descriptions in the General Catalog online and in the “Gen Eds” column in each Schedule of Classes. Some courses satisfy more than one requirement, so the total number of required courses may be as few as 10 or as many as 15. Courses from the Arts Division of 1, 2, or 3 credits may be combined to satisfy the arts general education requirement if they have the appropriate code and total at least 5 credits.

Transfer credits may satisfy some of the general education requirements. The Admissions Office will evaluate your transfer course work and determine which general education requirements you have satisfied. This information is available online through the MyUCSC Portal.

Students who have not decided on a major should take general education courses that will allow them to begin exploring possible majors. Students pursuing certain majors, particularly in the sciences, may need to schedule general education courses around major prerequisites. The writing-intensive course (W code), arts course (A code), and U.S. ethnic minorities/non-Western society course (E code) can be satisfied with many upper- as well as lower-division courses.

If you have consulted with your academic adviser and feel you have an unusually strong case for an exception to a general education requirement, you may obtain a Substitution or Waiver of General Education Requirement form at your college. Don't wait until the quarter you expect to graduate. These petitions are carefully screened by the Academic Senate Committee on Educational Policy; specific and rigorous criteria are used. If the petition is approved, your academic record will be changed to reflect the exception. If you have taken a course through UNM, UNH, EAP, or UCDC, or as an ICV, and you think it will satisfy a general education requirement other than the T or W, you may initiate review of the course by completing a Review of Transfer Credit form at the Admissions Office.

### Enrolling in General Education Courses

The section of the class you enroll in will satisfy a general education requirement only if the appropriate general education code(s) appears in the “Gen Eds” column of the Schedule of Classes. Different sections of the same course may have different codes.

## Quick Reference to General Education Requirements

General education requirements were devised and are reviewed by the Santa Cruz Division of the Academic Senate through the Committee on Educational Policy. There are nine categories of general education requirements. Specific information regarding how general education requirements fit into bachelor's degree requirements can be found in the *UCSC General Catalog*.

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N  
S

**Introductions to Disciplines:** These courses inform students of a discipline's scope or methodology, prepare students effectively for advanced classes, or both. Students are advised about a discipline's suitability as a major or are prepared for advanced course work in the field. Most of these courses are required of majors. Most do not require prerequisites. The three categories are Introduction to Humanities and Arts (IH code), Introduction to Natural Sciences (IN code), and Introduction to Social Sciences (IS code).

T

**Topical requirements (T code):** The topical requirement is intended to show students how disciplines outside their own affect public life, how different disciplines approach a common topic, and the richness in the areas of study that lie outside or between academic disciplines. Topical courses address a topic of broad intellectual or social relevance—instead of a discipline—and study it from a broad or interdisciplinary perspective. They can provide a place for discussion of values and assumptions at an introductory level not usually found in introductory courses. They are not designed to introduce the discipline to non-majors.

C

**Composition requirement (C code):** This requirement is fulfilled by Writing 1, *Composition and Rhetoric*, or Writing 2, *Rhetoric and Inquiry*. Students must complete the Entry Level Writing Requirement before enrolling in a course that satisfies the composition requirement.

W

**Writing-intensive requirement (W code):** These courses often require more writing than other classes, but they also stress explicit attention to the craft of writing in the subject matter of the course or discipline. Papers are assigned throughout the quarter and editorial comment is provided by the instructor. Students must complete the University of California Entry Level Writing Requirement and satisfy the Composition requirement before enrolling in a course which satisfies the writing-intensive requirement.

Q

**Quantitative requirement (Q code):** This requirement involves acquisition of technical skill in mathematics or practice in the ability to apply that mathematical skill in specific contexts, or both. A quantitative course must involve the use of advanced algebra, statistics, or calculus. These courses provide instruction in quantitative reasoning rather than merely evaluating students' mathematical ability. Courses in logic or computers are not considered mathematical.

A

**Arts requirement (A code):** This requirement was established in recognition of the differences between the humanities and the arts, and of the necessity of both in liberal arts education. One 5-credit course or the equivalent is required in the performance, theory, or history of the arts.

E

**U.S. Ethnic Minorities/Non-Western Society requirement (E code):** This requirement is intended to increase student and faculty knowledge of non-Western cultures (in the U.S. and elsewhere); to improve cross-cultural awareness, skills, and sensitivity; and to explore relationships between ethnicity and other topics of liberal arts curriculum.

## GENERAL EDUCATION REQUIREMENTS

### Courses That Fulfill General Education Requirements

Refer to the course listings beginning on page 36 to identify general education courses offered in fall quarter.

#### Introductions to Disciplines, Humanities, and Arts (IH code)—two courses from different departments required (10 credits)

Only one IH requirement may be satisfied with a course (equivalent to 5 credits) from the Arts Division (art, film and digital media, history of art and visual culture, music, theater arts); only one language course may be used to satisfy an IH requirement; and only one literature course may be used to satisfy an IH requirement. *Note:* Transfer courses designated IH from English departments are considered to be literature courses for general education purposes.

**American Studies** 1, 2

**Chinese** 4, 5, 6, 50

**Feminist Studies** 1

**Film and Digital Media** 20A, 20B, 20C

**French** 4, 5, 6

**German** 4, 5, 6

**Hebrew** 4, 5

**Hindi** 4, 5, 6

**History** 1, 2A, 2B, 4, 10A, 10B, 11A, 11B, 13, 14, 30, 40, 41, 43, 61, 62A, 62B, 65A, 66, 70A, 70B, 70C

**History of Art and Visual Culture** 10D, 10E, 10F, 10G

**Italian** 4, 5, 6

**Japanese** 4, 5, 6, 50

**Linguistics** 20, 52, 53, 55

**Literature** 1, 61F, 61G, 61M, 61P

**Spanish Literature** 60

**Music** 11A, 11B, 11C, 11D

**Philosophy** 9, 11, 22, 24, 26, 28

**Portuguese** 60B, 65A, 65B

**Russian** 4, 5, 6

**Spanish** 4, 5, 5M, 6, 56

**Spanish for Spanish Speakers** 61, 62, 63

**Theater Arts** 19, 20, 30, 32, 33, 36, 40, 60A, 60B, 60C, 122, 136

#### Introductions to Disciplines, Natural Sciences and engineering (IN code)—two courses from different departments required (10 credits)

Transfer courses designated IN from anatomy, botany, physiology, and zoology departments are considered to be biology courses.

**Anthropology** 1

**Applied Mathematics and Statistics** 5, 7, 11A

**Astronomy and Astrophysics** 2, 3, 4, 5, 8, 11, 12, 13, 14, 16, 18

**Biology** 20A, 70

**Chemistry and Biochemistry** 1A, 1B, 1C

**Computer Engineering** 3, 12

**Computer Science** 2, 10, 12A, 12B, 13H, 60G, 60N

**Earth Sciences** 1, 3, 5, 6, 7, 10, 20, 65, 119

**Economics** 11A

**Environmental Studies** 23, 24

**Information Systems Management** 15

**Mathematics** 11A, 11B, 19A, 19B, 20A, 20B

**Ocean Sciences** 1

**Physics** 1, 2, 5A, 5B, 5C, 6A, 6B, 6C, 7A, 7B

#### Introduction to Disciplines, Social Sciences (IS code)—Two courses from different departments required (10 credits)

**Anthropology** 2, 3, 4

**Biology** 89

**Community Studies** 10, 100B, 100E, 100F, 100J, 100K, 100M, 100P, 100Q, 100S, 100T, 100V, 100X, 100Y

**Economics** 1, 2

**Education** 92A, 92B

**Environmental Studies** 25

**Latin American and Latino Studies** 1, 126A, 126B

**Legal Studies** 10

**Politics** 1, 4, 5, 7, 10, 17, 20, 25, 43, 70, 72, 73

**Psychology** 1, 65

**Sociology** 1, 10, 15, 20

#### Topical Courses (T code)—Three courses required (15 credits)

Students entering UCSC with fewer than 45 transferable credits must take three topical courses in residence at UCSC. UCSC Summer Session courses can be used to satisfy topical requirements.

Choose one course from each academic area: natural sciences (2), social sciences (3), and humanities and arts (4). Courses labeled 5, 6, and 7 satisfy topical requirements in two different academic areas; students can apply this kind of topical course to either academic area indicated. The three topical course requirements must be satisfied with three different courses. In the Schedule of Classes, courses that carry a T general education code are listed as follows:

**2—Natural Sciences Area**

**3—Social Sciences Area**

**4—Humanities and Arts Area**

**5—Humanities and Arts or Social Sciences Area**

**6—Natural Sciences or Humanities and Arts Area**

**7—Natural Sciences or Social Sciences Area**

#### T2—Natural Sciences

**Astronomy and Astrophysics** 80A, 80B

**Biology** 80A, 80H, 80J, 80L, 80N, 80P

**Biomolecular Engineering** 80H

**Chemistry and Biochemistry** 80A, 80H

**Computer Engineering** 80H, 80N, 80U

**Computer Science** 80B, 80C, 80G, 80K, 80V

**Crown College** 80S

**Earth Sciences** 80A, 80B, 80C, 80D, 80G

**Electrical Engineering** 80J, 80T

**Environmental Toxicology** 80E

**Linguistics** 80G

**Ocean Sciences** 80A, 80B

**Philosophy** 80G

**Physics** 80A

#### T3—Social Sciences

**Anthropology** 80C, 80D, 80F, 80G, 80I, 80J, 80K, 80N, 80P

**College Eight** 80A, 80B

**College Nine** 80A, 80B

**College Ten** 80A, 80B

**Community Studies** 80A, 80B, 80F, 80H, 80L, 80Q

**Crown College** 80G

**Economics** 80A, 80G, 80H

**Latin American and Latino Studies** 80A, 80B,

80C, 80D, 80F, 80H, 80M, 80Q, 80S, 80T

**Merrill College** 80A, 80B, 80D

**Psychology** 80A, 80B

**Sociology** 80E, 80Z

#### T4—Humanities and Arts

**Art** 80A, 80C, 80D

**Cowell College** 80A, 80B

**Crown College** 80A, 80B

**Feminist Studies** 80S

**French** 80

**Hebrew** 80

**History** 80H, 80K, 80N, 80W, 80Y

**History of Consciousness** 80A, 80B, 80E, 80L, 80M, 80U

**Language Program** 80D

**Linguistics** 80B, 80V

**Literature** 80A, 80L, 80N, 80S, 80V, 80X, 80Z

**Music** 80F, 80G, 80I, 80J, 80K, 80M, 80O, 80Q, 80S, 80V, 80X

**Oakes College** 80H

**Philosophy** 80F, 80H

**Porter College** 80A, 80B, 80E

**Theater Arts** 80B, 80E, 80G, 80H, 80L, 80M,

80N, 80O, 80P, 80S, 80T, 80U, 80V, 80W, 80X, 80Y, 80Z

#### T5—Humanities and Arts or Social Sciences

**American Studies** 80E, 80F, 80G

**Economics** 80J

**Feminist Studies** 80K, 80Y

**Film and Digital Media** 80A

**History** 80M

**History of Art and Visual Culture** 80A, 80D, 80E, 80F, 80G, 80J, 80K, 80L, 80M, 80N, 80S, 80T

**History of Consciousness** 80I, 80J, 80K, 80Q, 80Y

**Kresge College** 80A, 80B, 80T

**Latin American and Latino Studies** 80X

**Linguistics** 80C, 80D

**Merrill College** 80C

**Oakes College** 80A, 80B

**Philosophy** 80L

**Porter College** 80L

**Stevenson College** 80A, 80B, 80T, 81A, 81B

#### T6—Natural Sciences or Humanities and Arts

**Art** 80F

**Biomolecular Engineering** 80G

**Computer Engineering** 80E

**Music** 80C, 80L, 80R

**Philosophy** 80G, 80R, 80S

**Physics** 80D

**Porter College** 80K

#### T7—Natural Sciences or Social Sciences

**Environmental Studies** 80A, 80B

**Information Systems Management** 80A, 80B, 80C

**Physics** 80C

*Continued on next page*

## GENERAL EDUCATION REQUIREMENTS

**Composition Courses (C code)—One course required for students entering prior to fall 2005 (5 credits)**  
Writing 1

**Composition Courses (C1 and C2 code)—One course each required for students entering fall 2005 (5 credits)**

### C1

College Eight 80A  
College Nine 80A  
College Ten 80A  
Cowell College 80A  
Crown College 80A  
Kresge College 80A  
Merrill College 80A  
Oakes College 80A  
Porter College 80A  
Stevenson College 80A

### C2

College Eight 80B  
College Nine 80B  
College Ten 80B  
Cowell College 80B  
Crown College 80B  
Kresge College 80B  
Merrill College 80B  
Oakes College 80B  
Porter College 80B  
Stevenson College 80B, 81B  
Writing 2

**Writing-Intensive Courses (W code)—One course required (5 credits)**

American Studies 100, 105A, 114B, 125H  
Anthropology 150, 152, 170, 172, 194A, 194C, 194D, 194E, 194F, 194G, 194I, 194K, 194L, 194M, 194N, 194O, 194Q, 194S, 194T, 194V, 194W, 194X, 194Y, 196A-B (A: 3 credits; B: 3 credits)  
Biology 141L, 145L, 169L  
Chemistry and Biochemistry 122  
Community Studies 121, 160, 194  
Computer Engineering 185  
Crown College 123  
Earth Sciences 195  
Economics 106, 107, 128, 142, 165, 183, 184, 195  
Electrical Engineering 291  
Environmental Studies 100L (concurrent enrollment in 100 required), 104A, 156, 157, 172  
Environmental Toxicology 151  
Feminist Studies 194I, 195  
Film and Digital Media 120, 150, 196B  
History 190A, 190B, 190C, 190D, 190E, 190F, 190H, 190I, 190N, 190O, 190P, 190R, 190S, 190U, 190V, 190W, 194E, 194G, 194H, 194M, 194N, 194O, 194Y, 195B, 196A, 196C, 196E, 196G, 196I, 196K, 196N, 196O, 196P, 196S, 196U, 196W, 196Y  
History of Art and Visual Culture 100A, 187A  
Information Systems Management 158  
Kresge College 80T  
Latin American and Latino Studies 194P, 195A  
Legal Studies 128, 183, 196

Linguistics 101, 113  
Literature 1, 101  
Philosophy 120, 127, 190L, 190M  
Physics 195B (2 credits)  
Psychology 100C, 100K, 100L, 100R, 113, 125  
Sociology 103B, 134, 195C  
Stevenson College 80T  
Theater Arts 157, 159  
Writing 64, 101, 102, 103, 110A, 161, 161A, 163, 165, 166A, 166B, 166D, 167

**Quantitative Courses (Q code)—One course required (5 credits)**

Applied Mathematics and Statistics 3, 5, 7, 11A, 11B, 15, 113, 131, 162  
Astronomy and Astrophysics 2, 3, 4, 5, 8, 11, 12, 13, 14, 16, 18, 80B  
Chemistry and Biochemistry 1A, 1B, 1C  
Computer Engineering 8, 12, 16, 16H  
Computer Science 60M, 80B  
Economics 11A, 11B, 113  
Environmental Toxicology 80E  
Mathematics 3, 11A, 11B, 19A, 19B, 20A, 20B, 21, 110  
Ocean Sciences 1  
Philosophy 9  
Physics 1, 2, 5A, 6A, 7A, 80A  
Psychology 2, 181  
Sociology 103A, 103B

**Arts Courses (A code)—One course or equivalent required (5 credits)**

Courses carrying fewer than 5 credits may be combined for credit toward satisfaction of the A requirement if they total at least 5 credits.

Anthropology 81A, 81B, 81C  
Art 10G, 10H, 20, 21, 22, 23, 24, 26, 27, 28, 30, 39, 40, 60, 70A, 70B, 70C, 80A, 80C, 80D, 80F, 102, 107, 109, 112, 113, 114, 117A, 118, 119, 123, 126, 135, 136, 141, 161  
Community Studies 125, 147  
Cowell College 70A, 70B, 70C  
Feminist Studies 80S, 123  
Film and Digital Media 20A, 20B, 20C, 20P, 80A, 132A, 132B, 136A, 136B, 151, 160, 165A, 170A, 170B, 176, 185D  
History of Art and Visual Culture 10D, 10E, 10F, 10G, 80A, 80D, 80E, 80F, 80G, 80J, 80K, 80L, 80M, 80N, 80S, 80T, 100A, 100E, 105E, 105P, 106A, 106B, 106D, 107A, 107B, 110A, 110B, 114, 115, 120A, 121A, 121C, 121D, 124, 125, 126, 127, 129, 131, 136, 137, 138, 139, 140, 140A, 141, 149A, 150A, 151A, 153, 154A, 154B, 154C, 155, 156, 159B, 160, 161, 163A, 164, 165A, 165B, 167, 168, 169, 170, 171, 172, 173, 174B, 174C, 175, 176, 177, 178A, 180, 181, 182, 185A, 185B, 185C, 187A, 189C, 189D, 189N, 189O, 189W, 190A, 190B, 190C, 190D, 190F, 190G, 190H, 190J, 190K, 190M, 190N, 190O, 190P, 190Q, 190S, 190T, 190U, 190Y, 191C, 191D, 191E, 191H, 191I, 191K, 191P, 191R  
Latin American and Latino Studies 81A, 81B, 81C, 110B, 151A, 194W  
Literature/Creative Writing 10, 52, 53, 170, 180,

183

Music 1A, 1C, 2, 3, 4A, 4B, 5A, 5B, 5C, 6, 8, 9, 11A, 11B, 11C, 11D, 51, 54, 75, 80C, 80F, 80G, 80I, 80J, 80K, 80L, 80M, 80O, 80Q, 80R, 80S, 80V, 80X, 159A, 159B, 160, 166, 180A, 180B  
Philosophy 152  
Porter College 14, 20A, 20C, 20D, 21A, 21C, 22, 22A, 22F, 22G, 23A, 23B, 23C, 28, 32A, 33, 33A, 34B, 35, 35A, 38B, 39, 80E, 80G, 80L, 83, 120, 121, 121C, 121D  
Theater Arts 10, 12, 14, 17, 18, 19, 20, 21, 22, 23, 30, 31P, 32, 33, 35, 36, 40, 50, 52, 60A, 60B, 60C, 80A, 80B, 80E, 80G, 80H, 80L, 80M, 80N, 80O, 80P, 80S, 80T, 80U, 80V, 80W, 80X, 80Y, 80Z, 104, 105, 110, 113, 114, 115, 115B, 116A, 116B, 117, 118, 119, 121, 122, 124, 126, 129, 130, 131, 131P, 132, 133, 134, 135, 136, 137, 138, 139, 142, 151, 155, 157, 159, 160, 161C, 161D, 161M, 161P, 161Q, 161R, 161S, 161T, 161U, 161V, 161X, 161Y, 163A, 163E, 163G, 193, 193F

**U.S. Ethnic Minorities/Non-Western Society Courses (E code)—One course required (5 credits)**

American Studies 1, 2, 80E, 101, 121C, 123F, 123H, 123T, 125A, 125E, 125G, 125H, 125X, 126B, 126C, 127A, 127C, 127D, 127E, 127F, 127K, 190H  
Anthropology 80D, 80G, 80I, 80P, 130A, 130B, 130C, 130D, 130E, 130G, 130H, 130I, 130J, 130L, 130N, 130Q, 130U  
Community Studies 80A, 80B, 80F, 80H, 80Q, 100E, 100J, 100P, 114, 126, 132, 134, 136, 146, 152  
Economics 120, 128  
Education 92C, 128, 141, 164, 175, 181  
Feminist Studies 1B, 80Y, 102, 110, 115, 117, 118, 123, 124, 132, 139, 145, 151A, 154, 155, 194C  
Film and Digital Media 132C, 162A, 165B, 165D, 185E  
History 11B, 14, 30, 40, 41, 43, 45, 74, 75, 80H, 80W, 80Y, 101A, 101B, 106, 121A, 121B, 123, 126, 127, 128, 130, 131, 132, 134B, 137A, 137B, 137C, 140C, 140D, 141A, 141B, 147A, 147B, 148, 150C, 155, 185A, 185B, 185D, 190A, 190B, 190C, 190D, 190E, 190N, 190O, 194G, 194H, 194N, 194U, 194Y, 196N  
History of Art and Visual Culture 10E, 80F, 80G, 80M, 80N, 80T, 100E, 105E, 105P, 106A, 107A, 107B, 121C, 121D, 139, 151A, 155, 156, 160, 161, 172, 182, 185A, 185B, 185C, 187A, 189D, 190B, 190C, 190O, 190U, 191C, 191F, 191P  
History of Consciousness 80Y, 118, 125, 127  
Latin American and Latino Studies 1, 80A, 80B, 80C, 80D, 80F, 80H, 80M, 80Q, 80S, 80X, 100A, 100B, 101, 111, 112, 120, 123A, 123B, 125, 126A, 126B, 127, 129, 140, 142A, 142B, 143, 144, 145, 146, 147, 148, 151A, 160, 165, 166, 167, 168, 169, 170, 173, 175, 176, 177, 178, 179D, 180, 194C, 194D, 194E, 194G, 194J, 194K, 194M, 194N, 194P, 195A  
Legal Studies 127, 128, 136  
Literature 80L, 80N, 80X  
English-Language Literatures 103I, 130C, 150A, 150B, 155D, 160E, 190G  
French Literature 134

*Continued on next page*

## GENERAL EDUCATION REQUIREMENTS

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**Modern Literary Studies** 125D, 125L, 144A, 144B, 144D, 144G, 152D

**Spanish Literature** 60, 117, 130E, 130F, 131A, 134H, 134M, 134N

**World Literature and Cultural Studies** 109, 114, 123, 124, 130, 135, 136, 190A

**Merrill College** 80A, 80B

**Music** 11B, 11D, 80F, 80I, 80K, 80Q, 80X, 180A, 180B

**Oakes College** 80A, 80B, 80H

**Politics** 127, 140C, 140D, 140E, 141, 146, 156

**Psychology** 100D, 100G, 113, 143, 157A, 158

**Sociology** 15, 20, 133, 156, 169, 170, 174, 175, 188

**Stevenson College** 80T, 81A, 81B

**Theater Arts** 22, 80A, 80M, 161D, 161P, 161R

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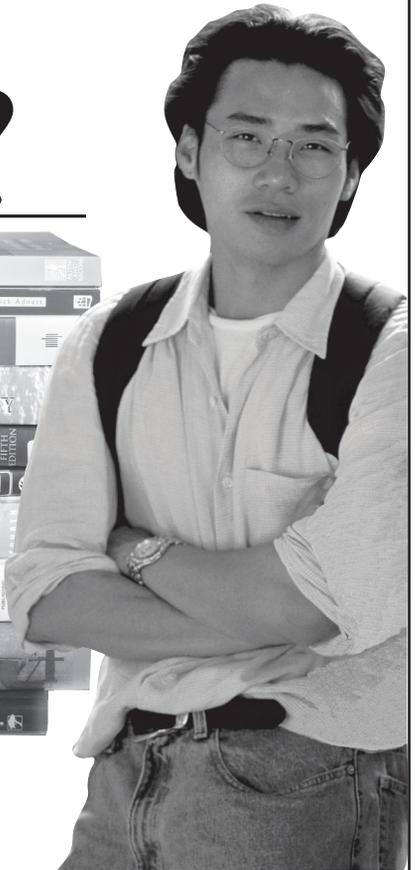
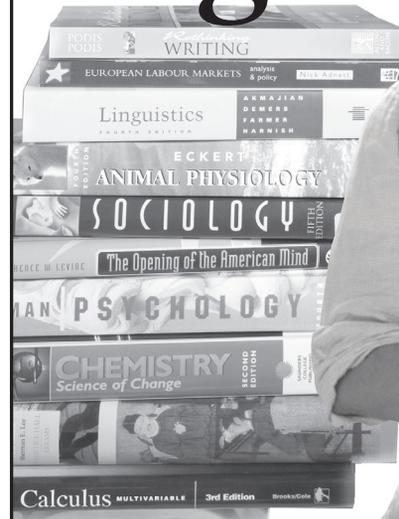
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## Fall 2006 Course Descriptions

The following course descriptions are for fall quarter 2006. Descriptions for individual studies courses are not included in these listings. Please contact the course sponsoring agencies for additional information.

### College Eight

#### **80A. Introduction to University Discourse: Environment and Society.**

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Explores relationships between society, social justice, and the environment, through environmental history and contemporary environmental studies. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. (General Education Code(s): T3-Social Sciences, C1.)

#### **80B. Rhetoric and Inquiry: Environment and Society.**

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Explores relationships between society and social justice and the environment through environmental history and contemporary environmental studies. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. (General Education Code(s): T3-Social Sciences, C2.)

#### **90. College Eight Garden Internship (1 credit).**

One-credit internship in the College Eight Garden. Offers students of College Eight an opportunity to become involved in an experimental learning project focusing on application of concepts of sustainable agriculture. Enrollment restricted to members of College Eight. Enrollment limited to 10. May be repeated for credit.

### College Nine

#### **80A. Introduction to University Discourse: International and Global Issues.**

Explores rhetorical principles and conventions of university discourse and provides intensive practice in analytical writing, critical reading, and speaking. Topics address contemporary global issues including economic globalization, human rights, international and inter-ethnic conflicts, poverty, and immigration. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C1.)

#### **80B. Rhetoric and Inquiry: International and Global Issues.**

Explores the intersection of investigation, interpretation, and persuasion and refines strategies for writing, research, and speaking. Topics address contemporary global issues including economic globalization, human rights, international and inter-ethnic conflicts, poverty, and immigration. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C2.)

#### **91. Global Issues Colloquium (1 credit).**

Weekly colloquium on global issues with different topical focus each quarter. Presentations by UCSC faculty and invited speakers. Students must attend class, read an assigned article, and write a one-page synopsis. Co-sponsored by College Nine and The Center for Global, International, and Regional Studies. Enrollment limited to 50. May be repeated for credit.

### College Ten

#### **80A. Introduction to University Discourse: Social Justice and Community.**

Explores rhetorical principles and conventions of university discourse and provides intensive practice in analytical writing, critical reading, and speaking. Examines social justice issues; topics include racism, sexism, and other forms of prejudice and discrimination; poverty and welfare; civil liberties; and community involvement and citizenship. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C1.)

#### **80B. Rhetoric and Inquiry: Social Justice and Community.**

Explores the intersection of investigation, interpretation, and persuasion and refines strategies for writing, research, and speaking. Examines social justice issues; topics include racism, sexism, and other forms of prejudice and discrimination; poverty and welfare; civil liberties; and community involvement and citizenship. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T3-Social Sciences, C2.)

#### **91. Introduction to Nuclear Policy (1 credit).**

Introduces the key aspects of nuclear policy. Examines issues associated with nuclear weapons and civil nuclear power and the interplay between the two with regards to proliferation. Presentation will be given by guest speakers. Enrollment limited to 80. May be repeated for credit.

### Cowell College

#### **70A. Bookbinding.**

Students learn techniques of bookbinding, construction, and design. Students are billed for a materials fee. (Formerly course 70, Book Arts.) (Also offered as Art 70A. Students cannot receive credit for both courses.) Enrollment limited to 12. (General Education Code(s): A.)

#### **80A. Introduction to University Discourse: Imagining Justice Past and Present.**

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Focuses on conceptions of justice, historic and contemporary, and considers how literary and artistic media may transmit, question, or revise notions of the just. Students cannot receive credit for this course and course 80B. Enrollment restricted to

first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T4-Humanities and Arts, C1.)

#### **80B. Rhetoric and Inquiry: Imagining Justice Past and Present.**

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Focuses on conceptions of justice, historic and contemporary, and considers how literary and artistic media may transmit, question, or revise notions of the just. Incorporates independent research. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T4-Humanities and Arts, C2.)

#### **184A. Leadership and Institution Building (2 credits).**

Through lectures by senior administrators and student consensus-and-recommendation teams, students learn how leaders work with constituent groups, build cooperation, and develop implementation plans in an institution such as the University of California, specifically, UC Santa Cruz. Enrollment restricted to undergraduates accepted in the Chancellor's Undergraduate Internship Program. (Formerly Crown 184A.) Enrollment limited to 40.

### Crown College

#### **80A. Intro to University Discourse: Ethical Issues in Emerging Technologies: Transgenics, Clones, Cyborgs.**

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Examines ethical challenges resulting from the constant changes caused by rapidly accelerating pace of change brought on by science and technology. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. (General Education Code(s): T4-Humanities and Arts, C1.)

#### **80B. Rhetoric and Inquiry: Ethical Issues in Emerging Technologies: Transgenics, Clones, Cyborgs, and AI.**

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Examines ethical challenges resulting from constant changes caused by rapidly accelerating pace of change brought on by science and technology. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. (General Education Code(s): T4-Humanities and Arts, C2.)

#### **150A. Students, Senate, and the System: Institutional Functioning (2 credits).**

Introduces issues surrounding governance on the UCSC campus, as dictated by the UC system including the academic system. Students learn about the institution and

may serve on Academic Senate committees, student government, or on administrative committees. By permission of instructor. Enrollment restricted to juniors and seniors. Enrollment limited to 20. May be repeated for credit.

**185. Profession Training Program: Internship Preparation (2 credits).**

For all students preparing for an internship; exploration of career objectives, tools and resources to assist in finding and securing the ideal internship, and techniques for maximizing the benefits of the internship experience. Enrollment by consent of instructor. Enrollment limited to 40.

**Kresge College**

**80A. Introduction to University Discourse: Power and Representation.**

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Explores relationships between individuals and their communities—communities as small as families and friends, colleges and cities; communities as large as nations and the world. Examines ways we constitute ourselves as individuals in relation to communities, focusing on representations of class, ethnicity, sexual orientation, gender, and race in several genres—critical theory, film, art, fiction, non-fiction, and theater. Organized around three units: Los Angeles: Race and the Urban Experience; Immigration; and Gender and Sexuality. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C1.)

**80B. Rhetoric and Inquiry: Power and Representation.**

Explores the intersections of investigations, interpretation, and persuasion, and hones strategies for writing and research. Explores relationships between individuals and their communities—communities as small as families and friends, colleges and cities; communities as large as nations and the world. Examines ways we constitute ourselves as individuals in relation to communities, focusing on representations of class, ethnicity, sexual orientation, gender, and race in several genres—critical theory, film, art, fiction, non-fiction, and theater. Organized around three units: Los Angeles: Race and the Urban Experience; Immigration; and Gender and Sexuality. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C2.)

**80T. Power and Representation (Kresge Core Course for Transfer Students).**

Explores the intersections of investigations, interpretation, and persuasion, and hones strategies for writing and research. Explores relationships between individuals and their communities—communities as small as families and friends, colleges and cities; communities as large as nations and the world. Examines ways we constitute ourselves as individuals in relation to communities, focusing on representations of class, ethnicity, sexual orientation, gender, and race in several genres—critical theory, film, art, fiction, non-fiction, and theater. Organized around three units: Los Angeles: Race and the Urban Experience;

Immigration; and Gender and Sexuality. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to sophomore, junior, and senior college members. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, W.)

**Merrill College**

**80A. Introduction to University Discourse: Cultural Identities and Global Consciousness.**

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Examines world poverty, imperialism, and nationalism; peoples' need to assert their cultural identities; and the benefits of individuals' absorption in worthy causes. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. (General Education Code(s): T3-Social Sciences, C1, E.)

**80B. Rhetoric and Inquiry: Cultural Identities and Global Consciousness.**

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Examines world poverty, imperialism, and nationalism; peoples' need to assert their cultural identities; and the benefits of individuals' absorption in worthy causes. Incorporates outside research. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. (General Education Code(s): T3-Social Sciences, C2, E.)

**80L. Merrill Core Visual Laboratory (2 credits).**

Visual laboratory designed to work in tandem with the Merrill Core Course to enhance learning for students with diverse skills and learning styles. Open to first-year Merrill students currently enrolled in course 80A or 80B. Required of students in the Merrill Freshman Scholars Program. Concurrent enrollment in course 80A or 80B is required.

**85A. Merrill Classroom Connection Field Study.**

Supervised hands-on experience assisting in classrooms and after-school programs at local schools including one-on-one mentoring, small group instruction, art projects, and playgrounds. Includes weekly sections, readings of practical and theoretical relevance, field notes, and a final paper. Permission of instructor required; contact Classroom Connection Coordinator at 459-5671. May be repeated for credit.

**85B. Merrill Classroom Connection Field Study (3 credits).**

Supervised hands-on experience assisting in classrooms and after-school programs at local schools including one-on-one mentoring, small group instruction, art projects, and playgrounds. Includes weekly sections, readings of practical and theoretical relevance, field notes, and a final paper. Permission of instructor required; contact Classroom Connection Coordinator at 459-5671. May be repeated for credit.

**Oakes College**

**10. Academic Success (2 credits).**

Provides opportunity to assess and revise methods of and

purposes in studying. Critical, effective approaches to reading, writing, participating in lectures and sections, taking exams, balancing competing responsibilities, and utilizing campus resources explored. Enrollment by permission of college adviser.

**80A. Introduction to University Discourse: Values and Change in a Diverse Society.**

Explores rhetorical principles and conventions of university discourse providing intensive practice in analytical writing, critical reading, and speaking. Examines historical and contemporary aspects of multiculturalism in the U.S. Explores how social inequality based on ethnicity, race, class, and gender occurs among all levels of society. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C1, E.)

**80B. Rhetoric and Inquiry: Values and Change in a Diverse Society.**

Explores intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Examines historical and contemporary aspects of multiculturalism in the U.S. Explores how social inequality based on ethnicity, race, class, and gender occurs among all levels of society. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 22. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C2, E.)

**Porter College**

**22A. Day of the Dead (2 credits).**

Day of the Dead: Creating an Exhibition—an exploration of art created to celebrate death in Mexican, Chicano, and American culture. Culminates in the creation of a Day of the Dead ceremony and community altar including students' individual art pieces. Enrollment limited to 25. (General Education Code(s): A.)

**80A. Introduction to University Discourse: Writing Across the Arts.**

Explores rhetorical principles and conventions of university discourse, providing intensive practice in analytical writing, critical reading, and speaking. Study, discuss, and write about social, political, and aesthetic issues raised by selected works of literature and art in a variety of media. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. (General Education Code(s): T4-Humanities and Arts, C1.)

**80B. Rhetoric and Inquiry: Writing Across the Arts.**

Explores the intersections between rhetoric (persuasion) and inquiry (investigation) and hones strategies for effective reading, writing, speaking, and research. Read, discuss, research, and write about social, political, and aesthetic issues raised by selected works of literature and art in a variety of media. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. (General Education Code(s): T4-Humanities and Arts, C2.)

**80L. Documenting Oral History.**

Students learn basic techniques of interview and camera

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work to document on film oral histories collected from community elders. Students develop their skills in writing, theater, visual art, music, or film to reinterpret oral histories as artwork. Enrollment limited to 30. (General Education Code(s): T5-Humanities and Arts or Social Sciences, A.)

### **83. Pacific Rim Film Festival: Viewing Across Cultures (2 credits).**

Involves viewing Asian and Pacific films at the annual Pacific Rim Film Festival, participating in post-screening discussions with area experts, and writing on the issues of cross-cultural viewing/reading of film. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

### **121D. Sundanese Gamelan and Dance Theater (2 credits).**

Practical study of the musical traditions of the Sundanese people of Indonesia with attention to technique and cultural features leading to the performance of a dance theater performance. Enrollment limited to 15. May be repeated for credit. (General Education Code(s): A.)

### **180. Writing Across the Arts: Pedagogical Practicum.**

Upper-division students participate in Porter core course, joining in seminars and leading small group sections exploring social, political, and aesthetic issues raised by selected works of literature and art in a variety of media. Participate in weekly seminar dealing with pedagogical practice preparing students to raise issues related to texts, critical thinking, writing, and the artistic process. (Formerly Arts in a Multicultural Society: Pedagogical Practicum.) Enrollment limited to 18.

## **Stevenson College**

### **80A. Introduction to University Discourse: Self and Society.**

Explores rhetorical principles and conventions of university discourse providing intensive practice in analytical writing, critical reading, and speaking. Stevenson's core course considers the roots of modern society using foundational religious texts and major classical and modern philosophical works. Students cannot receive credit for this course and course 80B. Enrollment restricted to first-year college members who have not satisfied the C1 requirement. Enrollment limited to 25. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C1.)

### **80B. Rhetoric and Inquiry: Self and Society.**

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Stevenson's core course investigates the roots of modern society, using foundational religious texts and classical and modern philosophical works. Students cannot receive credit for this course and course 80A. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment restricted to first-year college members. Enrollment limited to 25. (General Education Code(s): T5-Humanities and Arts or Social Sciences, C2.)

## **American Studies**

### **2. California and Californians.**

Interdisciplinary examination of past and present California and its diverse peoples, with attention to regional, national, and global contexts. Addresses social, politi-

cal, and cultural issues and considers representation of California life in literature and film. Satisfies American History and Institutions Requirement. (General Education Code(s): IH, E.)

### **80E. U.S. Racial and Ethnic Histories and Formations.**

Introduces key concepts and debates in study of race and ethnicity in U.S. by focusing on a particular ethnoracial group (e.g., Native Americans, Mexican Americans, Asian Americans, African Americans) or by developing a comparative perspective. May be repeated for credit. (General Education Code(s): T5-Humanities and Arts or Social Sciences, E.)

### **80G. Introduction to U.S. Political Cultures.**

Introduces key concepts and debates around topics such as political economy, nationalism, globalization, citizenship, class, and social movements and addresses their importance to American studies. Examines these issues through attention to political theory, social transformations, and cultural representations. (General Education Code(s): T5-Humanities and Arts or Social Sciences.)

### **100. Key Concepts in American Studies.**

Introduction to key American studies concepts, featuring the close scrutiny of a small selection of representative American studies texts, lectures by several American studies faculty, and careful attention to analytical writing. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to American Studies majors. (General Education Code(s): W.)

### **114C. Labor in U.S. Society.**

Examines the history of work and class in U.S. society with particular attention to how race and gender inform the constructions of multiple working classes. Drawing upon primary and secondary materials, the course analyzes the formations of labor unions, regional labor patterns, and the development of the capitalist market economy.

### **125A. Aspects of African American Culture.**

A seminar examining the dominant and defining characteristics of African American culture, covering such areas as folklore, religion, politics, music, verbal arts, and social ritual, as well as more "everyday" manifestations of the culture. May be repeated for credit. (General Education Code(s): E.)

### **125H. Black Feminism.**

Explores elements of African American feminist thought and its articulation in writings, music, literature, and practice/activism in 20th-century U.S. Sexuality and reproduction is a primary theme—especially motherhood, politics of reproduction, and sexual narratives. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to junior and senior American studies majors. Enrollment limited to 25. (General Education Code(s): W, E.)

### **127C. Asian American Literature and Culture: Memories of War.**

Course assumes that war is key element in transpacific formation of Asian America and attempts to examine wars in Asia/Pacific region from Filipino-American through the Pacific, Korean, and Vietnam Wars U.S. has participated in and to ask how war memories have shaped the Asian American experience and reconfigured notion of the homeland. Looks at specific Asian American texts to discuss issues of ethnicity, politics of memory,

immigration, and diaspora in respective war context and considers impact of cold war as transpacific structure of ideological determination. Enrollment limited to 60. (General Education Code(s): E.)

### **190H. Race, Politics, and Region.**

Examines race relations in western U.S. with particular emphasis upon California since 1945. Students examine the experiences of African Americans, Asian Americans, European Americans, Mexican Americans, and Native Americans and how class and gender politics shape and, at times, become the language for race relations. Enrollment restricted to senior American studies majors. Enrollment limited to 20. (General Education Code(s): E.)

## **Applied Math and Statistics**

### **3. Precalculus for Science and Engineering.**

Includes real and complex numbers, inequalities, linear and quadratic equations, functions, graphs, exponential and logarithmic functions, trigonometry, and analytic geometry, with applications in science and engineering. Students cannot receive credit for both this course and Mathematics 2AB or 3. Mathematics 3 can substitute for course 3. (Formerly Engineering 3.) Prerequisite(s): score of 20 or higher on Mathematics Placement Exam or Mathematics 2. (General Education Code(s): Q.)

### **5. Statistics.**

Introduction to statistical methods/reasoning, including descriptive methods, data-gathering (experimental design and sample surveys), probability, interval estimation, significance tests, one- and two-sample problems, categorical data analysis, correlation and regression. Emphasis on applications to the natural and social sciences. Students cannot receive credit for this course and course 7, and Mathematics 5 and 7. (Formerly Engineering 5.) (General Education Code(s): IN, Q.)

### **7. Statistics for the Biological and Environmental Sciences.**

Case-study-based introduction to statistical methods as practiced in the biological and environmental sciences. Descriptive methods, experimental design, probability, interval estimation, hypothesis testing, one- and two-sample problems, power and sample size calculations, simple correlation and simple linear regression, one-way analysis of variance, categorical data analysis. (Formerly Biostatistics.) Prerequisite(s): score of 40 or higher on mathematics placement exam or course 3. Concurrent enrollment in course 7L is required. (General Education Code(s): IN, Q.)

### **7L. Statistics for the Biological and Environmental Sciences Laboratory. (2 credits).**

Computer-based laboratory course in which students gain hands-on experience in analysis of data sets arising from statistical problem-solving in the biological and environmental sciences. Descriptive methods, interval estimation, hypothesis testing, one- and two-sample problems, correlation and regression, one-way analysis of variance, categorical data analysis. Prerequisite(s): score of 40 or higher on mathematics placement exam or course 3. Concurrent enrollment in course 7 is required.

### **11A. Mathematical Methods for Economists.**

An introduction to mathematical tools and reasoning, with applications to economics. Topics are drawn from precalculus and calculus and include functions and graphs, techniques of differentiation, relative extrema, logarithms and exponents, and differentials. Students who have al-

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ready taken Mathematics 11A and 19A should not take this course. (Also offered as Economics 11A. Students cannot receive credit for both courses.) Prerequisite(s): score of 31 or above on Math Placement Exam. Students who do not place into precalculus should enroll in Math 2. (General Education Code(s): IN, Q.)

### **11B. Mathematical Methods for Economists.**

Mathematical tools and reasoning, with applications to economics. Topics are drawn from integral calculus, multivariable calculus, and linear algebra and include definite integrals, partial derivatives, Lagrange multipliers, matrix algebra, and solving systems of linear equations. (Also offered as Economics 11B. Students cannot receive credit for both courses.) Prerequisite(s): course 11A or Economics 11A. (General Education Code(s): Q.)

### **27. Mathematical Methods for Engineers.**

This course provides the mathematical background for several engineering courses. The content includes linear algebra, ordinary differential equations, and Laplace Transform methods. Students cannot receive credit for this course and Mathematics 24 or 27. (Formerly Engineering 27.) Prerequisite(s): Mathematics 19B or 22 or 23A or 26 or permission of instructor. Concurrent enrollment in course 27L is required.

### **27L. Mathematical Methods for Engineers Laboratory (2 credits).**

Computer demonstrations of solutions of differential equations. Numerical simulations of differential equations using the supplied Matlab programs with graphics user interfaces. Elementary programming in MATLAB language to solve equations and to visualize solutions. (Formerly Engineering 27L.) Prerequisite(s): Mathematics 19B or 22 or 23A or 26 or permission of instructor. Concurrent enrollment in course 27 is required.

### **205. Mathematical Statistics.**

Graduate introduction to topics in probability and mathematical statistics from the frequentist point of view: sufficiency, exponential families, maximum likelihood estimation, optimality theory for estimation, confidence intervals and significance testing, decision theory, convergence in probability and in law, central limit theorems, and efficiency and asymptotic normality. (Formerly Engineering 205.) Enrollment restricted to graduate students. Undergraduates are encouraged to take this class with permission of instructor.

### **211. Applied Mathematical Methods I.**

Focuses on the analytical and numerical methods for solving differential equations. Topics include well-posed problems, Fourier transform, separation of variables, Green's functions, Huygen's principle, calculus of variation, numerical discretization, local truncation error, global error, error estimation, numerical stability, multigrid method. (Formerly Engineering 211.) Enrollment restricted to graduate students. Undergraduates are encouraged to take this class with permission of instructor.

### **236. Motion Coordination of Robotic Networks.**

Comprehensive introduction to motion coordination algorithms for robotic networks. Emphasis on mathematical tools to model, analyze, and design cooperative strategies for control, robotics, and sensing tasks. Topics include: continuous and discrete-time evolution models, proximity graphs, performance measures, invariance principles, and coordination algorithms for rendezvous, deployment, flocking, and consensus. Techniques and

methodologies are introduced through application setups from multi-agent robotic systems, cooperative control, and mobile sensor networks. Enrollment restricted to graduate students. Enrollment limited to 15.

### **241. Bayesian Nonparametric Methods.**

Theory, methods, and applications of Bayesian nonparametric modeling. Prior probability models for spaces of functions. Dirichlet processes. Pólya trees. Nonparametric mixtures. Models for regression, survival analysis, categorical data analysis, and spatial statistics. Examples drawn from social, engineering, and life sciences. (Formerly Engineering 241.) Prerequisite(s): course 207. Enrollment restricted to graduate students.

### **280B. Seminar in Applied Mathematics and Statistics (2 credits).**

Weekly seminar series covering topics of current research in applied mathematics and statistics. Permission of instructor required. Enrollment restricted to graduate students. May be repeated for credit.

## **Anthropology**

### **1. Introduction to Human Evolution.**

Study of evolution illustrated by Pleistocene hominid fossils and variation in living human groups. Behavior and evolution of primates examined as they contribute to the understanding of human evolution. Required for all anthropology majors. (General Education Code(s): IN.)

### **80I. Culture and Power in Latin America.**

Introduces key issues in the anthropology of Latin America, with emphasis on identity formation, cultural practices, and power. Major themes include race, class, and gender as intersecting forms of oppression, violence, and terror and indigenous social movements. (General Education Code(s): T3-Social Sciences, E.)

### **80J. Introduction to Visual Culture.**

Introduces current issues in cultural anthropology using film as a medium with which to explore culture. Raises questions about visual representations and the portrayal of cultural difference in the context of global inequalities. (General Education Code(s): T3-Social Sciences.)

### **81A. Mexican Folklorico Dance (2 credits).**

Provides instruction in the aesthetic, cultural, and historical dimensions of Mexican folklorico dance. Students taught choreographed dances from various regions of Mexico and also learn dance techniques (técnica) and stage make-up application. Additional workshops and lectures offered to supplement class. Open to all students; no previous experience required. (Formerly Latin American and Latino Studies 129F, Mexican Folkloric Dance.) (Also offered as Latin American and Latino Studies 81A. Students cannot receive credit for both courses.) May be repeated for credit. (General Education Code(s): A.)

### **81J. Introduction to Visual Culture Lab (2 credits).**

Optional digital photography lab. Students learn to compose shots, download photos, resize them, and put them into a meaningful sequence. Concurrent enrollment in Anthropology 80J is required. Enrollment limited to 36.

### **102A. Human Skeletal Biology.**

Presents basic human osteology allowing students to identify skeletal material by element. Emphasizes the dynamic nature of bone by integrating anatomy with a discussion of bone physiology within the context of the

human life cycle. Prerequisite(s): course 1. Enrollment limited to 16.

### **106. Primate Behavior and Ecology.**

The nature of primate social systems and social bonds is examined in the light of evolutionary and ecological concepts. Students cannot receive credit for this course and course 206. Prerequisite(s): course 1.

### **127. Ethnographies of Capitalism.**

Challenges approaches to capitalism that treat it as socio-economic relations separable from "culture." Readings include ethnographies demonstrating the inextricability of cultural meanings from capitalist practices. Topics include capitalism's relationship to colonialism, nationalism, socialism, gender, and the commodification of aesthetics. Will be offered in the 2004-05 academic year.

### **130B. Brazil.**

Examines Brazilian culture and its link to interpersonal relationships, religion, politics, and psychological experience. (General Education Code(s): E.)

### **130E. Culture and Politics of Island Southeast Asia.**

Southeast Asia includes a variety of societies exhibiting many ecological adaptations, religions, marriage systems, and experiences with colonial powers. Case studies of particular societies, chosen to reveal variety, are examined comparatively. Emphasis on religion and social organization. Prerequisite(s): course 2. (General Education Code(s): E.)

### **130N. Native Peoples of North America.**

A survey of Native American cultures and experience during the past century, with emphasis on Pueblo cultures of the American Southwest. (General Education Code(s): E.)

### **131. Women in Cross-Cultural Perspective.**

Examines the diversity of women's as well as men's roles, experiences, and self-conceptions in a number of societies to explore how women and men shape, and are shaped by, particular forms of social life. Prerequisite(s): course 2. Offered in alternate academic years.

### **150. Communicating Anthropology.**

Encourages anthropology majors to explore different means of communicating anthropology with much attention to individual writing and presentation skills. Intensive work on library research; recognizing, comparing, and making arguments; and analyzing ethnographies, articles, reviews, and films. Prerequisite(s): two of the following courses: 1, 2, or 3; satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to sophomores and juniors. (General Education Code(s): W.)

### **155. Cultural Encounters.**

Explores cross-cultural encounters through a combination of theoretical and ethnographic texts. Various faculty members teach on a rotating basis. The focus of each year's course(s) varies according to the instructor and will be announced by the department. Prerequisite(s): course 2 or permission of instructor. May be repeated for credit.

### **170. History of Archaeological Theory.**

Historical review of prehistoric archaeology from antiquarianism to the present. Emphasis on development of archaeological theory and its relation to evolutionary and anthropological theory. Students cannot receive credit for this course and course 270. Prerequisite(s): course 3;

satisfaction of the Entry Level Writing and Composition requirements. Recommended for juniors. Offered in alternate academic years. (General Education Code(s): W.)

**174. *Origins of Complex Societies.***

Deals with evidence and theories concerning the origins of complex society; the transition from egalitarian, foraging societies to the hierarchical, economically specialized societies often referred to as “civilizations.” Focuses on both Old World and New World cultures. Prerequisite(s): course 3.

**184. *Zooarchaeology.***

Lectures and seminar on archaeological faunal analysis. Topics include mammalian evolution and osteology, vertebrate taphonomy, reconstruction of human diet from faunal remains, foraging strategy theory, data collection and management, and methods of quantitative analysis. Students cannot receive credit for this course and course 284. Prerequisite(s): course 3. Offered in alternate academic years.

**194S. *Hearing Culture: The Anthropology of Sound.***

Explores relationships between culture and acoustic worlds—environmental, verbal, and musical—within which we live. How sound is shaped by human belief and practice and the role sound plays in cultural and social life, both past and present. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements; courses 1, 2, and 3. Enrollment restricted to senior anthropology majors. Enrollment limited to 15. (General Education Code(s): W.)

**194X. *Women in Politics: A Third World Perspective.***

Focuses cross-culturally on the status of women in the Third World and their formal and informal participation in politics. Also discussed are organized efforts, through participation in both national and autonomous movements, for women’s rights. Will be offered in the 2006–07 academic year. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements; courses 1, 2, and 3. Enrollment restricted to senior anthropology majors. Enrollment limited to 20. (General Education Code(s): W.)

**200A. *Core Graduate Course (10 credits).***

Introduces history, ethnography, and theory of cultural anthropology with emphasis on awareness of construction of anthropological canon and areas of conflict within it, leading up to contemporary debates on a variety of issues. Two-term course: students must enroll in both quarters. Enrollment restricted to anthropology graduate students. Enrollment limited to 12.

**206. *Primate Behavior.***

An overview of primate evolution and review of the major groups of primates in terms of their ecological, locomotor, dietary, and social adaptations. Theoretical frameworks, such as behavioral ecology, sexual selection, and life history, are evaluated from long-term studies of primate behavior. Students cannot receive credit for this course and course 106. Enrollment restricted to graduate students. Enrollment limited to 15.

**228. *Grant Writing.***

Devoted entirely to writing grant proposals. Students either work on their graduate education fellowships or their doctoral dissertation grants or both. Reading materials consist of granting agency documents plus

examples of successful applications. Enrollment restricted to anthropology graduate students. Enrollment limited to 15. May be repeated for credit.

**253. *Advanced Cultural Theory.***

Examines cultural anthropology’s interdisciplinary practices of knowledge formation at an advanced level. Drawing on various types of theoretical texts, the course elaborates on the relationship between culture and power, taking up different themes each time it is taught. Enrollment restricted to graduate students. Enrollment limited to 15.

**270. *History of Archaeology.***

Historical review of prehistoric archaeology from antiquarianism to the present. Emphasis on the development of archaeological theory, its relation to evolutionary and anthropological theory, and themes ongoing over time. Students cannot receive credit for this course and course 170. Enrollment restricted to graduate students. Enrollment limited to 15.

**284. *Zooarchaeology.***

Lectures and seminar on archaeological faunal analysis. Topics include mammalian evolution and osteology, vertebrate taphonomy, reconstruction of human diet from faunal remains, foraging strategy theory, data collection and management, and methods of quantitative analysis. Students cannot receive credit for this course and course 184. Enrollment restricted to graduate students.

**292. *Graduate Colloquium (2 credits).***

Designed to offer an institutionalized mechanism for the presentation of research papers and teaching efforts by faculty and advanced graduate students. Enrollment restricted to graduate students. May be repeated for credit.

**Arabic**

**1. *Instruction in the Arabic Language.***

Instruction in elementary modern standard Arabic with emphasis on the fundamentals of grammar, reading, writing, and progressing toward speaking and conversation.

**Art**

**20. *Introduction to Drawing for the Major.***

Introduction to the methods, materials, and purposes of drawing to develop perceptual and conceptual skills through a series of assignments, providing various approaches to drawing as a tool for creative exploration. Discussions and critiques facilitate the development of critical skills. Designed for students considering the art major. Students are billed for a materials fee. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

**21. *Introduction to Computer Art.***

Basic introduction to the use of a computer as a fine art tool and medium. Addresses basic skills, concepts relevant to contemporary art theories, and practices. Provides a hands-on introduction to fundamentals of graphics, image acquisition, and manipulation and programming with demonstrations of relevant software. Students work independently and in groups. Assignments include digital image acquisition and manipulation, basic scripting, hypertext and web publishing, and computer programming. Lectures, readings, and discussions examine new technology artwork and technology’s relationship to contemporary culture. Students billed for a materials fee.

Enrollment restricted to art, pre-art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

**22. *Introduction to Electronics for Intermedia.***

Provides basic introduction to electronic devices for use in making intermedia art. Provides hands-on experience working with sensors, motors, switches, gears, lights, simple circuits, and hardware store devices to create kinetic and interactive works of art. Produce sculptural or installation-based projects. Demonstrations, lectures, and critical discussion of work given to develop concepts and technical skills. Students are billed for a materials fee. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

**24. *Introduction to Painting: Oil.***

Introduction to medium of oil painting and to painting process. Assignments develop understanding of potential of this medium as a tool for perceptual and conceptual exploration. Slide lectures introduce assignments and are basis for class discussion of contemporary and historical art activity in the field. Students billed for a materials fee. Prerequisite(s): course 20 or 80A. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

**25. *Relief Printmaking.***

Introduction and development of relief printmaking. Course explores the traditions and contemporary issues of relief printmaking with emphasis on color work including reduction process, multiplate and viscosity printing. Students will build a portfolio using a wide spectrum of this complex relief process. Prerequisite(s): courses 20 or 80A. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20.

**26. *Introduction to Printmaking.***

Survey of print medium: basic terminology, techniques, application of tools, materials, and condensed history of development of printmaking. Assignments consist of individual and collaborative projects aimed at building skills and gathering technical experience. Introduction to relief printing (black and white and color), intaglio, letterpress, and interface between photography/computer and the handmade print. Exploration of print media for communication of issues including formal aesthetics, social/psychological and personal narrative. Students are billed for a materials fee. Prerequisite(s): course 20. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

**30. *Introduction to Photography for Art Majors.***

Introduction to photography as an art form that explores visual ideas beginning with camera-ready use, negative development, and printing. Prepares for further work in photography or for collaboration with other media in art including computer arts and two- and three-dimensional mixed media. Critically examines photographic works while reading historical and theoretical texts. Students are billed for a materials fee. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

**39. *Public Art I: Community, Site, and Place.***

Introduces contemporary public art through studio

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practice, slides, and readings. Create public art works, design scale models, drawings, and project proposals. Includes a local community-based public art project and an ephemeral landscape project. Students are billed for a materials fee. Enrollment limited to 20. (General Education Code(s): A.)

### **40. Sculpture I.**

Introduction to a range of concepts and forms used to make contemporary sculpture. Assignments facilitate becoming familiar with sculptural techniques and materials to enable students to visually manifest their sculptural ideas. Combines lectures and demonstrations with work time in class. Students are billed for a materials fee. Enrollment restricted to pre-art, art, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

### **60. Forms and Ideas.**

Required for all junior transfer student art majors. Introduction to the art program, emphasizing awareness of contemporary visual practices and theory. Combines studio practice and theory. Students are billed for a materials fee. Enrollment restricted to junior transfer art majors. Enrollment limited to 20. (General Education Code(s): A.)

### **70A. Bookbinding.**

Students learn techniques of bookbinding, construction, and design. Students are billed for a materials fee. (Formerly course 70, Book Arts.) (Also offered as Cowell College 70A. Students cannot receive credit for both courses.) Enrollment limited to 12. (General Education Code(s): A.)

### **80C. Introduction to Visual Arts.**

Focus is placed on contemporary issues in critical theory and studio practice in comparison with theory and practice in other historical contexts. Students are introduced to topics that involve the social, political, and aesthetic role of visual images in both the private and public domains. While theory and practice are addressed in the context of Western cultures, guest speakers introduce topics related to the visual practices of their cultures. Enrollment limited to 140. (General Education Code(s): T4-Humanities and Arts, A.)

### **80D. Introduction to Photography.**

Introductory course for beginners and nonmajors. Various techniques examined and assigned in specific exercises. Work on projects using color film; this is a non-darkroom course. Examples given of photography from 1826 to the present. Balances historical study and practice through assigned homework exercises. Students are billed for a materials fee. Enrollment limited to 90. (General Education Code(s): T4-Humanities and Arts, A.)

### **101. Intermediate/Advanced Drawing.**

Work moves toward individual directions in drawing. A variety of media are explored. Each student is expected to do 150 hours of drawing over the quarter. Students are billed for a materials fee. Prerequisite(s): course 20. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit.

### **103. Intermediate/Advanced Painting.**

Continuation of the development of a basic foundation in painting with emphasis on the development of individual, experimental procedures. Students are billed for a materials fee. Prerequisite(s): course 24. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit.

### **104. Special Topics in Painting.**

Special studies in painting as announced. Students are billed for a materials fee. Prerequisite(s): course 24. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit.

### **111. Book Arts II.**

Individual projects to complete printing and binding of small books. Taught in conjunction with course 70. Does not fulfill a requirement for the art major. Students are billed for a materials fee. Enrollment limited to 12. May be repeated for credit.

### **112. Intaglio I.**

Introduces students to various methods used in making intaglio prints. Encourages individual artistic growth of imagery and technique through assignments designed to explore the medium. Includes discussion and critique of work with equal emphasis on technique and concept. Students are billed for a materials fee. (Formerly offered as Relief and Intaglio Printmaking.) Prerequisite(s): course 26. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

### **114. Lithography I.**

Introduction to drawing, processing, and printing of lithographs from stone. Emphasis on discovery of tonal, textural, and expressive potential from the surface of the stone, while establishing individual directions in imagery. Condensed history of the medium, technical theory, and critique in lecture and demonstrations. Students are billed for a materials fee. Prerequisite(s): course 20. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

### **130. Intermediate Photography.**

Continuation of course 30. Students explore visual ideas, directing their work toward individualized goals. Required work includes making photographic prints, reading historical and theoretical works, and examination of photographs. Students are billed for a materials fee. Prerequisite(s): course 30. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit.

### **132. Color in Photography.**

Concentration on making photographic works in color. Students produce a portfolio of color photographs, read historical and theoretical works, and study photographs and other art works. Individualized projects may include work with color transparencies, Ektacolor printing, color Xerox, computer-generated imagery, or mixed media. Students are billed for a materials fee. May be repeated once for credit. Prerequisite(s): course 130. Enrollment restricted to art majors. Enrollment limited to 20.

### **135. Introduction to Digital Photography.**

Introduction to basic theories behind the digital production, manipulation, and output of photographic images. Through readings and production, students address major issues specific to working with images in an increasingly digital environment. Students are billed for a materials fee. Prerequisite(s): course 30. Enrollment restricted to art majors. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

### **139. Intermediate to Advanced Sculpture (Foundry).**

This intermediate/advanced course provides the information and facilities necessary to express ideas through the

indirect process of metal casting. The "lost wax" method is used to manifest ideas in sculpture. Lectures and demonstrations are combined with work time in class. Students generate sculpture forms in wax then gate, invest, weld, chase, patina, and present at least one finished piece. Students are billed for a materials fee. May be repeated once for credit. Prerequisite(s): one of the following: course 28, 29, 39, 40, or 41. Enrollment restricted to art majors. Enrollment limited to 17. May be repeated for credit.

### **148. Special Topics in Sculpture.**

Special topics in sculpture as announced, concentrating on specific aspects of subject matter and media. Students are billed for a materials fee. (Formerly Special Topics in Sculpture and Public Art.) Prerequisite(s): course 23, 39, 40, 143, or 145. Enrollment restricted to art majors. Enrollment limited to 20. Offered in alternate academic years. May be repeated for credit.

### **149A. Contemporary Visual Media: Issues of Theory and Practice.**

Through class discussions of a core of readings, selected issues in critical theory relevant to contemporary visual practices are examined. Enrollment restricted to juniors and seniors. Enrollment limited to 20.

### **161. Picturing Identity: Document and Culture.**

Studio addresses issues of race, gender, culture, personal identity, and visual representation. Examines ways ideas of identity are given visual form and communicated in fine arts and mass media. Students research ways traditionally underrepresented groups in society have been and are being represented in mass media; they then visually interpret that information in forms of visual artifacts. This process and interpretation serve as springboard to examination of expanded ideas of identity, including personal and/or family culture and history, gender, and ethnicity. Encourages use of broad range of mediums available to construct visual representations of identity. Students are billed for a materials fee. Enrollment restricted to pre-art, art, film and digital media, and history of art and visual culture majors. Enrollment limited to 20. (General Education Code(s): A.)

## **Astronomy and Astrophysics**

### **2. Overview of the Universe.**

An overview of the main ideas in our current view of the universe, and how they originated. Galaxies, quasars, stars, pulsars, and planets. Intended primarily for nonscience majors interested in a one-quarter survey of classical and modern astronomy. (General Education Code(s): IN, Q.)

### **3. Introductory Astronomy: The Solar System.**

Properties of the solar system, the sun, solar system exploration, the physical nature of the Earth and the other planets, comets and asteroids, origin of the solar system, possibility of life on other worlds, planet formation, and search for planets beyond the solar system. Intended for nonscience majors. Courses 3, 4, and 5 are independent and may be taken separately or sequentially. (General Education Code(s): IN, Q.)

### **8. The Violent Universe: Cosmic Catastrophes and Life on Earth.**

An overview of current ideas of how astronomical events have influenced evolution of life on Earth. Comet/meteor impacts, mass extinctions, direct evidence, dealing with future impacts. Related topics: evolution of the sun and

other stars, supernova explosions, gamma-ray bursts, origin and fate of the universe. Course intended for non-science majors. (General Education Code(s): IN, Q.)

**11. Gravity: The Universal Glue.**

History of gravitational theory: Copernicus, Galileo, Kepler, Newton, Einstein. Newton's concept of space and time, laws of motion, and gravity. Einstein's concepts of space, time, and mass in special relativity. Overview of general relativity, extreme gravity fields of black holes. Modern tests of general relativity. Proficiency in using and applying high school algebra and geometry is expected; the course is for students intending science majors. (General Education Code(s): IN, Q.)

**16. Life in the Universe.**

Large scale habitability of the universe, role of forces of nature, laws of physics after inflation; galactic and stellar evolution, including relativistic considerations of interstellar travel; signal detection techniques with application to the detection of extrasolar planets. Introductory algebra required. Some knowledge of logarithms and bases recommended. Enrollment limited to 50. (General Education Code(s): IN, Q.)

**80B. Light, Color, and Vision.**

Covers a variety of optical and visual phenomena, including the nature of light, optical effects in the atmosphere, the camera and photography, simple optical instruments, the human eye and vision, binocular vision, color and color perception. A course in high school algebra is recommended as preparation. Offered in alternate academic years. (General Education Code(s): T2-Natural Sciences, Q.)

**135A. Astrophysics Advanced Laboratory (3 credits).**

Introduction to techniques of modern observational astrophysics at optical and radio wavelengths through hands-on experiments. Intended primarily for juniors and seniors majoring or minoring in astrophysics. Offered in some academic years as single-term course 135 in fall, depending on astronomical conditions. (Also offered as Physics 135A. Students cannot receive credit for both courses.) Prerequisite(s): Physics 133 and at least one astronomy course.

**171. General Relativity, Black Holes, and Cosmology.**

Special relativity is reviewed. Curved space-time, including the metric and geodesics, are illustrated with simple examples. The Einstein equations are solved for cases of high symmetry. Black-hole physics and cosmology are discussed, including recent developments. (Also offered as Physics 171. Students cannot receive credit for both courses.) Prerequisite(s): Physics 105, 110B, and 114B. Offered in alternate academic years.

**205. Introduction to Astronomical Research.**

Lectures by UCSC faculty on current areas of astronomical and astrophysical research being carried out locally. Enrollment restricted to graduate students.

**212. Dynamical Astronomy.**

Surveys dynamical processes in astrophysical systems on scales ranging from the planetary to the cosmological, stability and evolution of planetary orbits, scattering processes and the few-body problem, processes in stellar clusters, spiral structure and galactic dynamics, galactic collisions, and evolution of large-scale structure. Enrollment restricted to graduate students.

**220A. Stellar Structure and Evolution.**

Survey of stellar structure and evolution. Physical properties of stellar material. Convective and radiative energy transport. Stellar models and evolutionary tracks through all phases. Comparison with observations. Enrollment restricted to graduate students. Offered in alternate academic years.

**292. Seminar (no credit).**

Seminar attended by faculty, graduate students, and upper-division undergraduate students.

**Biochemistry and Molecular Biology**

**100A. Biochemistry.**

Fundamentals of molecular biology, structure and function of nucleic acids, and protein structure. Designed for students preparing for research careers in biochemistry and molecular biology. Lecture: 3-1/2 hours; discussion: 1-1/4 hours. Prerequisite(s): Chemistry 108B and 108M or 112C and 112N; Biology 20A; Biology 105 strongly recommended as preparation.

**Biology**

**15. Undergraduate Research Reports (1 credit).**

Undergraduate students who work in faculty research laboratories present the results of their projects. Organized by the Minority Undergraduate Research Program and the Minority Access to Research Careers Program. Designed for students with membership in the above-mentioned programs. Prerequisite(s): qualifications as determined by instructor at first class meeting. May be repeated for credit.

**20B. Development and Physiology.**

Topics in morphology, physiology, development, genetics, and endocrinology selected to exemplify current issues and perspectives in organismic biology. Prerequisite(s): course 20A.

**20C. Ecology and Evolution.**

Introduction to ecology and evolution covering principles of evolution at the molecular, organismal, and population levels. Evolutionary topics include genetic and phenotypic variation, natural selection, adaptation, speciation, and macroevolution. Also covers behavioral, population, and community ecology including applied ecological issues. Prerequisite(s): passing score on Biology Placement Exam or course 3.

**20L. Experimental Biology Laboratory (2 credits).**

Provides biology majors with the theory and practice of experimental biology. A wide range of concepts and techniques used in the modern laboratory are included in the exercises. Designed to satisfy the introductory biology lab requirement of many medical and professional schools. Students are billed for a materials fee. Prerequisite(s): course 20A and previous or concurrent enrollment in 20B. Enrollment restricted to health sciences and biochemistry and molecular biology majors; other majors by permission. Enrollment limited to 20.

**70. Introduction to Psychobiology.**

Brain sciences, behavior of animals and humans in the laboratory and field; the evolution of social behavior through natural selection. Topics include research techniques, neural mechanisms, sensory-motor processes, sensory systems, learning, biological rhythms, energy regulation. (General Education Code(s): IN.)

**75. Scientific Diving Certification (2 credits).**

Prerequisite for course 161/L, Kelp Forest Ecology, and all research diving performed under the auspices of UCSC or other academic institutions. Course work includes lectures and scuba diving. Topics include subtidal sampling techniques, navigation, low visibility diving, search and recovery, rescues, small boat use, oxygen administration for divers, technical blue water deep diving, physics, and physiology. Pick up application in room A414 EMS during preceding quarter. Students are billed for a materials fee that covers costs for equipment use, materials, and transportation. Prerequisite(s): skill level equal to Advanced Scuba Diver Certification, pass scuba physical, provide own scuba gear, be certified in CPR and First Aid; and interview: pass swim test and scuba skills test. Enrollment limited to 16.

**80A. Female Physiology and Gynecology.**

Biochemical, medical, social, and clinical aspects of the female body. Emphasis will be on biological-chemical interactions in the female organs. Topics include female anatomy, cell physiology, endocrine functions, sexuality and intimacy, sexually transmitted diseases, puberty, pregnancy, menopause, birth control, abortion, immunity, cancer. (General Education Code(s): T2-Natural Sciences.)

**80H. The Human Genome.**

Course will focus on understanding human genes. Accessible to non-science majors. Will cover principles of human inheritance and techniques used in gene analysis. The evolutionary, social, ethical, and legal issues associated with knowledge of the human genome will be discussed. (Also offered as Biomolecular Engineering 80H. Students cannot receive credit for both courses.) (General Education Code(s): T2-Natural Sciences.)

**80L. The Secret Sex Lives of Plants.**

The long, tortuous, and sometimes comic history of the discovery of sexuality in plants, from Aristotle to Sprengel and Hofmeister, is examined as a case study of the cultural, religious, and psychological barriers that can operate to impede scientific understanding. (General Education Code(s): T2-Natural Sciences.)

**100. Biochemistry.**

An introduction to biochemistry including biochemical molecules, protein structure and function, membranes, bioenergetics, and regulation of biosynthesis. Provides students with basic essentials of modern biochemistry and the background needed for upper-division biology courses. Students who plan to do advanced work in biochemistry and molecular biology should take the Biochemistry and Molecular Biology 100 series directly. Students cannot receive credit for this course after they have completed any two courses from the Biochemistry and Molecular Biology 100A, 100B, and 100C sequence with grades of Pass, C, or better. Prerequisite(s): courses 20A and 20B; and Chemistry 7 or 108A or 112A.

**100L. Biochemistry Laboratory.**

Basic techniques and principles of laboratory biochemistry including isolation and characterization of a natural product, manipulation of proteins and nucleic acids to demonstrate basic physical and chemical properties; and characterization of enzyme substrate interactions. Students are billed for a materials fee. Prerequisite(s): course 100 (may enroll concurrently). Enrollment restricted to biological sciences and affiliated majors, non-majors by permission of instructor. Enrollment limited to 20.

**105. Genetics.**

Mendelian and molecular genetics; mechanisms of heredity, mutation, recombination, and gene action. Students cannot receive credit for this course and course 106. Prerequisite(s): courses 20A and 20B.

**105L. Eukaryotic Genetics Laboratory.**

Classical and newly developed molecular-genetic techniques used to explore genetic variation in wild populations of the fruit fly *Drosophila melanogaster*. Topics include Mendelian fundamentals, mapping, design of genetic screens, bio-informatic and database analysis, genetic enhancers, and population genetics. Students are billed for a materials fee. (Formerly Genetics Laboratory.) Prerequisite(s): course 105; course 100 or Biochemistry and Molecular Biology 100A recommended. Enrollment restricted to biological sciences and affiliated majors, non-majors by permission of instructor.

**110. Cell Biology.**

Covers the structure, organization, and function of eukaryotic cells. Topics include biological membranes, organelles, protein and vesicular trafficking, cellular interactions, the cytoskeleton, and signal transduction. Requires a good understanding of basic biochemistry and molecular biology. Prerequisite(s): courses 20A and 20B; course 100 or Biochemistry and Molecular Biology 100A.

**117A. Advanced Genetics.**

An analysis of selected topics in the primary research literature including conditional lethality, classical fine structure genetics, the coding problem, control of operon expression, phage lambda, and developmental genetics. Students cannot receive credit for this course and 200A. Prerequisite(s): course 105 and Biochemistry and Molecular Biology 100A.

**119. Microbiology.**

Cell and molecular biology of bacteria and their viruses, including applications in medicine, public health, agriculture, and biotechnology. Prerequisite(s): courses 20A, 20B, and 100.

**119L. Microbiology Laboratory.**

An introduction to the principles and practices of laboratory microbiology, with a substantial presentation of optical microscopy. Students are billed for a materials fee. Prerequisite(s): course 119. Course 119 may be taken concurrently. Enrollment restricted to biological sciences and affiliated majors, non-majors by permission of instructor.

**125. Introduction to Neuroscience.**

The structure and function of the nervous system. Topics include elementary electrical principles, biophysics and physiology of single nerve and muscle cells, signal transduction at synapses, development of the nervous system, and neural basis of behavior. Requires a good understanding of basic biochemistry, cell biology, and molecular biology. Prerequisite(s): course 100. Concurrent enrollment in course 105 or 110 is encouraged.

**130. Human Physiology.**

Function, organization, and regulation of the major organ systems of humans, with emphasis on integration among systems. Students cannot receive credit for this course and course 131. Prerequisite(s): course 110; vertebrate anatomy course recommended preparation.

**130L. Human Physiology Laboratory (2 credits).**

Examines fundamental principles of systemic physiology

focusing on the human. Students cannot receive credit for this course and course 131L. Students are billed for a materials fee. Prerequisite(s): courses 20A, 20B, and 110. Concurrent enrollment in course 130 is required. Enrollment restricted to biological sciences and affiliated majors, non-majors by permission of instructor.

**140. Behavioral Ecology.**

An introduction to social and reproductive behavior. Emphasis on studies of vertebrates in their natural habitat. Ideas concerning the evolution of social behavior, mating systems, and individual reproductive strategies. Case histories of well-studied animals that illustrate key principles in courtship and mating, parental behavior, and food-getting behavior. Prerequisite(s): courses 20A, 20B, and 20C.

**162A. Marine Ecology Field Quarter: Marine Ecology with Laboratory.**

Total immersion in marine ecology for very motivated students. Students develop a research project during first five weeks on campus and then spend five weeks of immersion in directed research without distraction in isolated locations off campus (past locations include the Gulf of California in Mexico and Moorea in French Polynesia). Not available through University Extension. No other courses may be taken during this quarter. Students must sign a contract agreeing to standards of behavior outlined in the UCSC Rule Book and by the instructors. Students are billed for a materials, transportation (not airfare), and room and board fee. Paradigms and designs in marine ecology. A review of the paradigms that have shaped our understanding of marine ecology and analysis and discussion of experiments with these paradigms. Students carry out a complete research project, including the formation of hypotheses; the design and implementation of experiments; the collection, analysis, and interpretation of data; and the write-up and oral presentation of results. Admission by interview during previous winter quarter. Courses 162A, 162B, 162C, and 162D are equivalent to courses 137, 137L, 160, and 160L for major requirements. Courses 162A, 162B, 162C, and 162D must be taken concurrently. (Formerly Marine Ecology with Laboratory.) Enrollment limited to 26. Offered in alternate academic years.

**162B. Marine Ecology Field Quarter: Ichthyology with Laboratory.**

An introduction to the biology of jawless, cartilaginous, and bony fishes—their classification, evolution, form, physiology, and ecology. Admission by interview during previous winter quarter. Courses 162A, 162B, 162C, and 162D are equivalent to courses 137, 137L, 160, and 160L for major requirements. Courses 162A, 162B, 162C, and 162D must be taken concurrently. (Formerly Ichthyology with Laboratory.) Enrollment limited to 26. Offered in alternate academic years.

**162C. Marine Ecology Field Quarter: Methods in Field Ecology.**

Students learn quantitative methods for field experiments and surveys. Emphasis will be on marine environments, but there will also be exposure to terrestrial systems. This is the lecture component to course 162D. No text is required for this course; instead, readings from the current literature will be assigned. Students are evaluated on written independent field project proposals and class participation. Admission by interview during previous winter quarter. Courses 162A, 162B, 162C, and 162D are equivalent to courses 137, 137L, 160, and 160L for

major requirements. Courses 162A, 162B, 162C, and 162D must be taken concurrently. (Formerly Methods in Field Ecology.) Enrollment limited to 26. Offered in alternate academic years.

**162D. Marine Ecology Field Quarter: Methods in Field Ecology Laboratory (4 credits).**

This is laboratory portion of course 162C. Students carry out independent field projects under the supervision of course instructors. All work is done during the 5–6 week off-campus portion of course 162. Students are evaluated on field techniques, the final write-up of their independent field projects, and class participation. Admission by interview during previous winter quarter. Courses 162A, 162B, 162C, and 162D are equivalent to courses 137, 137L, 160, and 160L for major requirements. Courses 162A, 162B, 162C, and 162D must be taken concurrently. (Formerly Methods in Field Ecology Laboratory.) Enrollment limited to 26. Offered in alternate academic years.

**163. Marine Conservation Biology.**

Initially undertakes an in-depth comparison of the biology and conservation of marine versus terrestrial ecosystems. With this foundation, course examines marine biodiversity loss resulting from overexploitation, habitat loss, species introduction, and pollution, with particular emphasis on the resulting trophic cascades, biodiversity losses, and climate change. Students cannot receive credit for this course and Environmental Studies 120. Prerequisite(s): courses 20A, 20B, and 20C; Ocean Sciences 101 recommended.

**169. Plant Ecology.**

An exploration of the ecology of plant form, function, distribution, abundance, and diversity. Topics include plant adaptations to environmental conditions, life history variation, competition, reproductive ecology, herbivory, and patterns of diversity. Lecture with discussions of original papers and independent field project. Students cannot receive credit for this course and courses 165 or 269. Prerequisite(s): course 20C or Environmental Studies 24. Course 150 is recommended. Enrollment limited to 30.

**169L. Field Methods in Plant Ecology.**

Hands-on exploration of the concepts and techniques of plant ecology. A combination of lab, greenhouse, and field-based exercises (irrespective of weather conditions). Statistical analysis and scientific writing. One required weekend field trip. Students cannot receive credit for this course and courses 165 or 269L. Students are billed for a materials fee. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, course 20C or Environmental Studies 24. Concurrent enrollment in course 169 is required. Course 150 is recommended. Enrollment limited to 30. (General Education Code(s): W.)

**175. Evolution.**

An examination of the history and mechanisms of evolutionary change. Topics include molecular evolution, natural and sexual selection, adaptation, speciation, biogeography, and macroevolution. Prerequisite(s): courses 20A, 20B, 20C, and 105.

**183L. Undergraduate Research in Ecology and Evolutionary Biology.**

Supervised undergraduate research on a project with an ecology and evolutionary biology faculty member for students considering a career based on biological research. Class reviews the philosophy of science, basic statistics, and

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library searches, and emphasizes how to input data, create graphs, and prepare results for publication, posters, and talks. Prerequisite(s): one upper-division course in ecology, evolution, behavior, or physiology; and by permission of instructor. Enrollment restricted to sophomore, junior, and senior EEB majors conducting research projects with EEB faculty members. L. Fox, P. Raimondi

### **186F. Undergraduate Research in MCD Biology (2 credits).**

Supervised undergraduate research in laboratory of an MCD biology faculty member accompanied by weekly lectures on ethical and practical scientific issues. Topics include laboratory safety; the scientific method; the collection, treatment, and presentation of data; critical evaluation of scientific literature; scientific misconduct; and peer review. Career issues, including how to apply for admission to graduate and professional schools, also discussed. Prerequisite(s): courses 20A and 20B; at least one of course 100, 105, or Biochemistry 100A; and permission of instructor. May be repeated for credit.

### **186L. Undergraduate Research in MCD Biology.**

Supervised undergraduate research in laboratory of an MCD biology faculty member accompanied by weekly lectures on ethical and practical scientific issues. Topics include laboratory safety; the scientific method; the collection, treatment, and presentation of data; critical evaluation of scientific literature; scientific misconduct; and peer review. Career issues, including how to apply for admission to graduate and professional schools, also discussed. Prerequisite(s): courses 20A and 20B; at least one of course 100, 105, or Biochemistry 100A; and permission of instructor.

### **187L. Molecular Biotechnology Laboratory.**

An intensive molecular biology laboratory that presents procedures used in molecular and biotechnology research. Topics and procedures include DNA/RNA isolation, cloning and library construction, southern and northern hybridization, DNA fingerprinting, PCR, manual and automated sequencing, and computer methods for analyzing molecular data. New procedures currently being developed in biotechnology industries are presented by industry representatives. Students cannot receive credit for this course and course 116L or 287L. Students are billed for a materials fee. Prerequisite(s): courses 20A, 20B, 20C, 100, and 110. Enrollment limited to 20.

### **189. Health Sciences Internship.**

Structured off-campus learning experience providing hands-on experience and pre-professional mentoring in a variety of health-related settings. Interns are trained and supervised by a professional at their placement and receive academic guidance from their faculty sponsor. Students spend 10–12 hours per week at their placement, participate in weekly discussion meetings on campus, keep a reflective journal, and submit a final paper. Prerequisite(s): by interview with health sciences internship coordinator; applications are due one quarter in advance to the Health Sciences Internship Office. Enrollment restricted to health sciences majors. May be repeated for credit.

### **190. Senior Seminar (2 credits).**

Satisfies the senior exit requirement for all biological sciences majors. (Formerly Proseminar.)

### **200A. Advanced Genetics.**

An analysis of selected topics in the primary research literature including conditional lethality, classical fine

structure genetics, the coding problem, control of operon expression, phage lambda, and developmental genetics. Students cannot receive credit for this course and course 117A. Enrollment restricted to graduate students. Qualified undergraduates may enroll in course 117A.

### **250B. Scientific Skills.**

Exposes graduate students to teaching skills, understanding the scientific method, searching and organizing literature, grant proposal and scientific writing, data management and presentation, and scientific speaking. Students are evaluated on their participation and the quality of a written research proposal. Enrollment restricted to graduate students.

### **269. Plant Ecology.**

An exploration of the ecology of plant form, function, distribution, abundance, and diversity. Topics include plant adaptations to environmental conditions, life history variation, competition, reproductive ecology, herbivory, and patterns of diversity. Lecture with discussions of original papers and independent field project. Students cannot receive credit for this course and course 169. Prerequisite(s): course 150 or Environmental Studies 24 or permission of instructor. Concurrent enrollment in course 269L is required except by permission of instructor. Enrollment restricted to graduate students.

### **279. Evolutionary Ecology.**

Analysis of the ways in which ongoing evolution and coevolution shape the ecological structure and dynamics of populations, species, and species interactions across geographic landscapes. Enrollment restricted to graduate students.

### **287L. Molecular Biotechnology Laboratory.**

An intensive molecular biology laboratory that presents procedures used in molecular and biotechnology research. Topics and procedures include DNA/RNA isolation, cloning and library construction, southern and northern hybridization, DNA fingerprinting, PCR, manual and automated sequencing, and computer methods for analyzing molecular data. New procedures currently being developed in biotechnology industries are presented by industry representatives. Students cannot receive credit for this course and course 116L or 187L. Enrollment restricted to graduate students. Qualified advanced undergraduate students may enroll in course 187L.

### **292. MCD Seminar (no credit).**

Various topics by weekly guest speakers. Enrollment restricted to graduate students.

### **294. Ecology, Evolutionary Biology Seminar (no credit).**

Selected topics of current interest to ecologists and evolutionary biologists presented by weekly guest speakers. Enrollment restricted to graduate students.

### **295. Advanced Ecology and Evolutionary Biology Seminar (no credit).**

Course consists of extended weekly meetings organized around an advanced theme in theoretical or applied evolutionary biology, ecology, physiology, behavior, or other aspect of organismal biology. Course is targeted at students who already have reached a professional level of expertise in their field and advanced master students. Enrollment restricted to graduate students. Enrollment limited to 24.

## **Biomolecular Engineering**

### **80G. Bioethics in the 21st Century: Science, Business, and Society.**

Serves science and non-science majors interested in bioethics. Guest speakers and instructors lead discussions of major ethical questions having arisen from research in genetics, medicine, and industries supported by this knowledge. (Also offered as Philosophy 80G. Students cannot receive credit for both courses.) (General Education Code(s): T6-Natural Sciences or Humanities and Arts.)

### **80H. The Human Genome.**

Course will focus on understanding human genes. Accessible to non-science majors. Will cover principles of human inheritance and techniques used in gene analysis. The evolutionary, social, ethical, and legal issues associated with knowledge of the human genome will be discussed. (Also offered as Biology 80H. Students cannot receive credit for both courses.) (General Education Code(s): T2-Natural Sciences.)

### **200. Research and Teaching in Bioinformatics (3 credits).**

Basic teaching techniques for teaching assistants, including responsibilities and rights of teaching assistants, resource materials, computer security, leading discussion or lab sessions, presentation techniques, maintaining class records, electronic handling of homework, and grading. Examines research and professional training, including use of library and online databases, technical typesetting, writing journal and conference papers, publishing in bioinformatics, giving talks in seminars and conferences, and ethical issues in science and engineering. Required for all teaching assistants. Enrollment restricted to graduate students.

### **205. Bioinformatics Models and Algorithms.**

Covers bioinformatics models and algorithms: the use of computational techniques to convert the masses of information from biochemical experiments (DNA sequencing, DNA chips, and other high-throughput experimental methods) into useful information. Emphasis is on DNA and protein sequence alignment and analysis. (Formerly course 100, Introduction to Bioinformatics.) Enrollment restricted to graduate students. Undergraduates may enroll with prerequisite(s): Computer Science 12B; and Computer Engineering 107 or Applied Math and Statistics 131; and Biology 20A; and concurrent enrollment in Biochemistry 100A.

### **280B. Seminar on Bioinformatics (2 credits).**

Weekly seminar series covering topics of current research in computational biology or bioinformatics. Current research work and literature in these areas are discussed in weekly meetings. Enrollment restricted to graduate students or permission of instructor. May be repeated for credit.

### **281H. Seminar in Comparative Genomics (2 credits).**

Weekly seminar series covering topics of current computational and experimental research in comparative genomics. Current research work and literature in this area discussed. Students lead some discussions and participate in all meetings. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

### **281K. Seminar on Protein Structure Prediction (2 credits).**

Weekly seminar series covering topics of current computa-

tional and experimental research in protein structure prediction. Current research work and literature in this area discussed. Students lead some discussions and participate in all meetings. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

**281L. Seminar in Computational Genetics (2 credits).**

Weekly seminar series covering topics and experimental research in computational genetics. Current research work and literature in this area discussed. Students lead some discussions and participate in all meetings. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

**281S. Seminar in Computational Functional Genomics (2 credits).**

Weekly seminar series covering topics of current computational and experimental research in computational functional genomics. Current research work and literature in this area discussed. Students lead some discussions and participate in all meetings. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

**Chemistry and Biochemistry**

**1A. General Chemistry.**

First term of an integrated study of general chemistry. Course 1A is suitable for people who have not studied chemistry. Covers a range of topics including the atomic structure of matter, molecules, chemical reactions, acids and bases, gases and nuclear chemistry. Lecture: 3-1/2 hours; discussion: 1-1/4 hours. Students are expected to use algebra to solve problems. Prerequisite(s): completion of the Chemistry Placement Examination. (General Education Code(s): IN, Q.)

**1B. General Chemistry.**

Second term of an integrated study of general chemistry. Coverage includes quantum mechanics, the hydrogen atom, many-electron atoms and chemical periodicity, and elementary covalent bonding. Lecture: 3-1/2 hours, discussion: 1-1/4 hours. Prerequisite(s): course 1A or passing the 1B placement exam, or a preparatory chemistry course at another college or university, or a grade of 4 on the AP chemistry examination. (General Education Code(s): IN, Q.)

**1M. General Chemistry Laboratory (2 credits).**

Laboratory sequence illustrating topics covered in courses 1B-1C, respectively, and important experimental techniques. Laboratory: 3 hours; lecture: 1-1/4 hours. Students are billed for a materials fee. Course 1M offered fall and winter; 1N offered winter and spring. Prerequisite(s): course 1A or passing the 1B placement exam, course 1B or concurrent enrollment in 1B; satisfaction of the Subject A writing requirement is highly recommended. Enrollment limited to 144.

**108A. Organic Chemistry.**

An integrated study of fundamental organic chemistry, with emphasis on materials especially relevant to the biological sciences. Students with credit for course 112A cannot receive credit for course 108A; students with credit for 112B or 112C cannot receive credit for 108B. Lecture: 3-1/2 hours, discussion: 1-1/4 hours. Prerequisite(s): course 1C or 4B or a grade of 5 on the AP chemistry examination.

**108L. Organic Chemistry Laboratory (2 credits).**

Laboratory experience in organic chemistry associated with courses 108A-108B, respectively. Designed to introduce the student to the many techniques associated with organic chemistry while affording an opportunity to explore the concepts discussed in the lecture material. Laboratory: 4 hours, lecture: 1-1/4 hours. Students are billed for a materials fee. Prerequisite(s): courses 1C/N and 108A or concurrent enrollment.

**112A. Organic Chemistry.**

An integrated study of fundamental organic chemistry, including principles, descriptive chemistry, synthetic methods, reaction mechanisms, and compounds of biological interest. These courses are coordinated with 112L-M-N respectively and are to be taken concurrently with them. Students with credit in course 108A can receive credit for courses 112B and 112C but not for 112A; students with credit in 108B cannot receive credit for 112B or 112C. Lecture: 3-1/2 hours; optional discussion section: 1-1/4 hours. Prerequisite(s): course 1C or 4B or a grade of 5 on the AP chemistry examination; and course 1N or 4M. Students should be concurrently enrolled in course 112L. Enrollment limited to 100.

**112L. Organic Chemistry Laboratory (2 credits).**

Laboratory experience in organic chemistry and associated principles. Experiments involve the preparation, purification, characterization, and identification of organic compounds and make use of modern as well as classical techniques. These courses are coordinated with 112A-B-C respectively, and are to be taken concurrently with them. For courses 112L and 112M: lecture: 1-1/2 hours and laboratory: 4 hours; for course 112N: lecture: 1-1/4 hours and laboratory: 8 hours. Students are billed for a materials fee. Prerequisite(s): courses 1C/N. Students should be concurrently enrolled in course 112A. Enrollment limited to 100.

**122. Principles of Instrumental Analysis.**

A laboratory course designed to develop familiarity with techniques and instrumentation used in analytical chemistry, emphasizing determination of trace inorganic species. Primary emphasis on applications utilizing the absorption or emission of electromagnetic radiation and on voltammetry. Topics include molecular UV-visible absorption and fluorescence spectrometry; atomic absorption, emission and fluorescence spectrometry; and various forms of voltammetry. Lecture: 2 hours; laboratory: 8 hours. Students are billed for a materials fee. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, course 108B or 112C. (General Education Code(s): W.)

**143. Organic Chemical Structure and Reactions.**

Advanced topics such as the chemistry of terpenes, steroids, synthetic polymers, alkaloids, reactive intermediates, and reaction mechanisms are treated. Lecture: 4 hours. Prerequisite(s): course 108B or 112C.

**146A. Advanced Laboratory in Organic Chemistry (2 credits).**

Designed to expose students to advanced laboratory techniques in organic chemistry. Experiments carry a research-like format and cover the areas of natural products and reaction chemistry. Modern methods of organic analysis are emphasized including chromatographic methods

and organic structure determination by spectroscopy. Laboratory: 8 hours. Students billed a materials fee. Prerequisite(s): courses 108B/M or 112C/N. Enrollment limited to 16.

**163A. Quantum Mechanics and Basic Spectroscopy.**

A detailed introduction to quantum theory and the application of wave mechanics to problems of atomic structure, bonding in molecules, and fundamentals of spectroscopy. Prerequisite(s): course 1C or 4B, Physics 5A-B-C or 6A-B-C and Mathematics 11C or 22 or 23B. Physics 6C can be taken concurrently.

**164A. Physical Chemistry Laboratory I: Data Analysis (2 credits).**

Introduction to data analysis and statistical treatment of errors for physical chemistry experiments. Emphasizes the use of computers for problem solving and data analysis of one required laboratory report. Lecture: 1 hour; laboratory: 4 hours. Prerequisite(s): course 1C or 4B; Physics 6A-B-C or 5A-B-C; Mathematics 11C or 22.

**200A. Advanced Biochemistry: Biophysical Methods.**

An introduction to the theory, principles, and practical application of biophysical methods to the study of biomolecules, especially proteins and nucleic acids. Emphasis on spectroscopic techniques. Topics include magnetic resonance, optical spectroscopy, fast reaction techniques, crystallography, and mass spectrometry.

**240E. Modern Synthetic Methods (3 credits).**

An advanced study designed to provide the background and insight to enable the student to compare and contrast new reagents and reactions with existing methods. Prerequisite(s): course 143.

**240F. Selectivity and Strategy in Organic Synthesis (3 credits).**

An advanced study on the use of chemoselectivity, regioselectivity, and stereoselectivity in organic transformations. Strategic planning in approaching the synthesis of complex molecules focuses primarily on retrosynthetic analysis and stereochemical control. Prerequisite(s): course 240E.

**263. Quantum Mechanics.**

A rigorous introductory course: the Schrödinger equation, operator formalism, matrix mechanics, angular momentum, and spin. Perturbation and other approximate methods. Applications to atomic and molecular problems. Lecture: 3-1/2 hours. Prerequisite(s): courses 163A and Physics 114A-B. Offered in alternate academic years.

**274. Proseminar in Synthetic and Polymer Chemistry.**

Weekly meetings devoted to study of synthetic organic chemistry and controlled polymer design for applications in nanotechnology. Topics drawn from current literature and research interests of participants. May be repeated for credit.

**275. Proseminar in Biological Inorganic Chemistry.**

Weekly meetings devoted to biological inorganic chemistry and biochemistry. Topics are drawn from current literature. Papers and reviews are discussed, and participants give short seminars on their research interests. May be repeated for credit.

**282. Proseminar: Synthetic Methods.**

Weekly meetings devoted to the study of asymmetric and/or enantio-selective synthesis of optically active or-

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ganic compounds of biological and medicinal significance. Topics drawn from the current literature and the research interests of the participants. May be repeated for credit.

### **283. Proseminar in Physical Organic Chemistry.**

Weekly meetings devoted to the study of physical and mechanistic organic chemistry. Topics drawn from the current literature and the research experiences of the participants. May be repeated for credit.

### **284. Proseminar in Synthetic Organic Chemistry.**

Weekly meetings devoted to the study of synthetic organic chemistry. Topics drawn from the current literature and the research interests of the participants. May be repeated for credit.

### **285. Proseminar: Photobiochemistry and Photobiology.**

A detailed study of molecular mechanisms of light energy conversion and light-signal transduction processes in biological systems. Student participation in critical discussion of current literature examples are emphasized. Two-hour lecture and two-hour seminar weekly. Enrollment limited to 8. May be repeated for credit.

### **286. Proseminar in Natural Products Chemistry.**

Weekly meetings devoted to the study of natural products. Topics drawn from the current literature and research interests of the participants. May be repeated for credit.

### **287. Proseminar in Protein Aggregation and Protein Deposition Diseases.**

A detailed study of various aspects of protein structure, folding, and aggregation in the context of the molecular mechanism of protein deposition diseases, with particular emphasis on Parkinson's disease and amyloidosis and the techniques involved in elucidating these mechanisms. May be repeated for credit.

### **288. Proseminar in Bioinorganic Chemistry.**

Weekly meetings devoted to inorganic and bioinorganic research. Topics are drawn from current literature. Papers and reviews are discussed. Participants also give short seminars on topics of their research interests. May be repeated for credit.

### **291A. Organic Chemistry Research Seminar.**

Open to chemistry graduate students interested in organic chemistry. Weekly meetings are held to hear both local and external speakers discuss their work. Enrollment restricted to graduate students. May be repeated for credit.

### **291B. Biochemistry and Molecular Biology Research Seminar.**

A weekly seminar series covering topics on the frontiers of biochemistry and molecular biology. The speakers include experts in these fields from other institutions. Enrollment restricted to graduate students. May be repeated for credit.

### **291C. Inorganic Chemistry Research Seminar.**

For those interested in following the recent developments in the various areas of inorganic chemistry. External speakers; weekly discussion based on personal research or recent literature, led by the inorganic chemistry faculty, postdoctoral fellows, and students. Enrollment restricted to graduate students. May be repeated for credit.

### **291D. Physical Chemistry Research Seminar.**

A weekly seminar series covering topics of current research in physical chemistry. Weekly meetings are held

to hear both local and external speakers discuss their work. Enrollment restricted to graduate students. May be repeated for credit.

### **292. Seminar (2 credits).**

Enrollment restrictions: graduate standing or approval of the graduate adviser.

### **296. Teaching Chemistry (3 credits).**

University-level pedagogy in chemistry; examines the role of preparation, assessment, and feedback in teaching chemistry discussion and laboratory sections. Effective classroom techniques and organizational strategies discussed; oral presentations analyzed critically. Required of entering chemistry graduate students.

## **Chinese**

### **1. Instruction in the Chinese (Mandarin) Language.**

Instruction in elementary spoken and written Chinese (Mandarin), beginning with the sounds of Chinese and their representation in the pinyin romanization system. Conversation, structural analysis, and an introduction to character texts. Elementary sequence (1-2-3) begins only in fall quarter. Students interested in learning Chinese who are uncertain about where they should enter the sequence should meet with the instructor, prior to the first class meeting.

### **4. Intermediate Chinese (Mandarin).**

Instruction in intermediate spoken and written Chinese (Mandarin). Conversation, composition, and the reading of modern texts. Intermediate sequence (4-5-6) begins only in fall quarter. Students interested in improving their Chinese who are uncertain about where they should enter the sequence should meet with the instructor, prior to the first class meeting. Prerequisite(s): course 3, or equivalent. (General Education Code(s): IH.)

### **50. Preadvanced Chinese.**

Places additional emphasis in the areas of specialized vocabulary, sentence structure, and translation as well as conversational and compositional skills in preparation for advanced courses. Offered fall quarter only. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. Prerequisite(s): course 6, or placement by examination. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): IH.)

## **Community Studies**

### **70. Video Laboratory (2 credits).**

Trains students in the techniques of documentary film making. Through lectures, demonstrations, hands-on instruction, and review of students' work in progress, students learn the fundamentals of film/video pre-production, production, and post-production skills. Concurrent enrollment in course 80L required. Enrollment limited to 25.

### **71. Basic Photography Laboratory (2 credits).**

Provides students with photography skills. Through lecture, demonstration, hands-on experience, and field sessions, students acquire technical and aesthetic training in basic darkroom skills, methods of photographing people, an introduction to alternative processes, and presentation of finished photographs. Concurrent enrollment in course 80L required. Enrollment limited to 20.

### **72. Audio Laboratory (2 credits).**

Trains students in the fundamental techniques of docu-

mentary audio production. Through lectures, documentary examples, demonstrations, hands-on instruction, and consultation with students regarding their work in progress, students gain the skills they need to produce their own audio documentaries. Concurrent enrollment in course 80L required. Enrollment limited to 20.

### **80L. Social Documentation.**

Examines works from various media recognized as being drawn from "real life." Through film, photography, oral history, and other examples, develops critical understanding of social documentation as a process with implicit theories and conventions. Students create beginning documentaries in production collectives. (General Education Code(s): T3-Social Sciences.)

### **80Q. Asian American Health.**

Examines social and cultural issues relevant to Asian American health or mental health. Given implicit exclusionary biases in conventional health practices, the need is to broaden definitions of practice and prevention to encompass alternative conceptions of health care, as well as larger social problems related to social inequality, education, work, and adjustment to a racially diverse society. (General Education Code(s): T3-Social Sciences, E.)

### **100E. Theory and Practice of Economic Justice.**

Examines how markets operate within the political economy of contemporary capitalism to generate myriad and often chronic forms of economic and social inequality in the United States. Explores different approaches to addressing inequality within the multi-faceted economic justice movement. Interview only: admission determined at first class meeting. Enrollment restricted to sophomores and juniors. Enrollment limited to 25. (General Education Code(s): IS, E.)

### **100F. Public Health.**

Examination of community activism to address health issues: examples are drawn from a range of concerns, e.g., environmental racism, prison conditions, feminist health matters, the AIDS epidemic, violence, and alcoholism. Special attention is given to the social frameworks of health and to the utilization of social and political strategies for improving community well-being. Enrollment restricted to sophomores and juniors. Interview only: admission determined at first class meeting to give preference to current and proposed community studies majors. (Formerly Theory and Practice of Public Health.) Enrollment limited to 25. (General Education Code(s): IS.)

### **100K. Culture and Health.**

Explores the role of culture as it pertains to health. Important themes include holistic perspectives and the relative applicability of the western model to diverse populations. Prerequisite(s): admission determined at first class meeting. Enrollment restricted to sophomores and juniors. (Formerly Theory and Practice of Culture and Health.) Enrollment limited to 25. (General Education Code(s): IS.)

### **100X. Sex, Gender, and Sexuality.**

How do people produce and politicize sex, gender, and sexuality on their bodies? How are these represented and disciplined? Topics include transgender, sex work, feminist and queer realities. Materials include testimonials, films, ethnography, social theory, and clinical texts. Admission determined at first class meeting. Enrollment restricted to sophomores and juniors. (Formerly Theory and Practice of Sex, Gender, and Sexuality.) Enrollment limited to 25. (General Education Code(s): IS.)

**114. Whiteness, Racism, and Anti-Racism.**

Examines the social, cultural, institutional, and personal ways that white privilege and racial domination are constructed, maintained, and reproduced in U.S. society. Goal is to reveal the “hidden” quality of whiteness and illuminate effective strategies for anti-racist activism. Enrollment limited to 25. (General Education Code(s): E.)

**118. Broadcast Journalism (2 credits).**

Focuses on writing radio news. Through lectures, hands-on instruction, and written assignments, students acquire technical and aesthetic training in broadcast news reporting, writing, and audio production. Enrollment limited to 25.

**119. Banana Slug News (2 credits).**

Introduction to television news production in which students become familiar with the tools of the medium and the process involved in the creation of a completed television news program through basic studio exercises and Electronic News Gathering (ENG). Enrollment limited to 15.

**148. Women’s Health Activism.**

Examines concrete aspects of women’s health in social and political contexts, including such factors as environmental and occupational health, the role of race and nationality, diverse sexualities and health, American medical care systems, and international comparisons and organizing approaches.

**152. Gender and Sexuality in Latin America.**

Advanced topics in gender and sexuality in Latin America and Latina/o studies. Analyzes role of power, race, coloniality, national and transnational processes in the production and analysis of genders and sexualities. Materials include memoir, fiction, ethnography, social documentary and history. Prerequisite(s): Latin American and Latino Studies 80S or equivalent. (General Education Code(s): E.)

**Computer Engineering**

**1. Hands-On Computer Engineering (2 credits).**

Hands-on introduction to computer engineering practice and research, including digital systems, computer networks, robotics, multimedia systems, embedded systems, and computer architecture. Designed for students without previous background in computer engineering. Preference given to students considering the computer engineering major. Enrollment restricted to first-year students and sophomores. Other students may contact faculty for permission number. Enrollment limited to 30.

**3. Personal Computer Concepts: Software and Hardware.**

Provides an introduction to computers. Personal computing is emphasized, and students are introduced to word processing, spreadsheets, database management, graphics, and programming. Covers fundamentals of computing and current and future uses of computer technology, PC hardware, Windows operating system, applications software, networking and the Internet, and developments in the computer industry. Designed for students with little or no experience using computers. Students cannot receive credit for this course and Computer Science 2. (General Education Code(s): IN.)

**8. Robot Automation: Intelligence through Feedback Control.**

Introduction to dynamical systems, feedback control, and robotics. Fundamental concepts in dynamical systems, modeling, stability analysis, robustness to uncertainty, feedback as it occurs naturally, and the design of feedback-

control laws to engineer desirable static and dynamic response. Course includes an introduction to MATLAB and programming in MATLAB. (General Education Code(s): Q.)

**12. Computer Systems and Assembly Language.**

Introduction to computer systems and assembly language and how computers compute in hardware and software. Topics include digital logic, number systems, data structures, compiling/assembly process, basics of system software, and computer architecture. Prerequisite(s): course 3 or Computer Science 10, 12A, 60G or 60N, or Biomolecular Engineering 60, or suitable programming experience; previous or concurrent enrollment in course 12L is required. (General Education Code(s): IN, Q.)

**12L. Computer Systems and Assembly Language Laboratory (2 credits).**

Laboratory sequence in assembly language programming. The lab examines both RISC and microcontroller programming. One two-hour laboratory per week with an optional second two-hour laboratory. (Formerly offered as Computer Organization Laboratory.) Prerequisite(s): course 3 or Computer Science 10, 12A, 60G, 60N, or Biomolecular Engineering 60, or suitable programming experience; previous or concurrent enrollment in course 12 is required. Enrollment limited to 140.

**16. Applied Discrete Mathematics.**

Introduction to applications of discrete mathematical systems. Topics include sets, functions, relations, graphs, trees, switching algebra, first order predicate calculus, mathematical induction, permutations, combinations, summation, and recurrences. Examples drawn from computer science and computer engineering. Prerequisite(s): eligibility to enroll in Mathematics 19A (completion of Mathematics 2B or 3 or Mathematics Placement Exam score of 40 or higher) or completion of Mathematics 19A or 11A. (General Education Code(s): Q.)

**80H. History of Modern Computing.**

Presents a history of the development of computing technologies (CPUs and I/O devices, operating systems, and languages) through the latter half of the 20th century in order to build an understanding of how today’s computing environment evolved. (General Education Code(s): T2-Natural Sciences.)

**80N. Introduction to Networking and the Internet.**

Introduction to the evolution, technological basis, and services of the Internet, with descriptions of its underlying communications structure, routing algorithms, peer-to-peer hierarchy, reliability, and packet switching. Network security, mail, multimedia and data compression issues, HTML, and digital images. Students who have completed course 150 cannot receive credit for this course. (General Education Code(s): T2-Natural Sciences.)

**80U. Ubiquitous and Mobile Computing.**

Ubiquitous computing integrates computer and communication technology with day-to-day life. Ubiquitous and mobile technology includes: MP-3 players, camera cell phones, Bluetooth headsets, sensor networks, and new emerging technologies. Course provides an overview of the technology and economics of ubiquitous computing. (General Education Code(s): T2-Natural Sciences.)

**107. Mathematical Methods of Systems Analysis: Stochastic.**

Introduction to fundamental tools of stochastic analysis.

Probability, conditional probability, Bayes Theorem, random variables, independence, Poisson processes, Bernoulli trials, and Markov chains. Instructor’s choice of additional topics, most likely drawn from confidence measures, difference equations, transform methods, stability issues, applications to reliability, queues, and hidden Markov models. Students cannot receive credit for this course and Applied Mathematics and Statistics 131. Prerequisite(s): course 16 or 16H and Mathematics 22 or 23A.

**110. Computer Architecture.**

High performance computer architecture including examples of current approaches and the effect of technology and software. Instruction set design and RISC, cache and virtual memory, pipelining, SIMD (array and vector) processors, MIMD multiprocessors, interconnection schemes, performance. Offered in alternate quarters (F06, S07, W08, F08, S09). Prerequisite(s): courses 12, 12L, and 16 or 16H.

**121. Microprocessor System Design.**

The design and use of microprocessor-based systems. Covers microprocessor and microcontroller architecture, programming techniques, bus and memory organization, DMA, timing issues, interrupts, peripheral devices, serial and parallel communication, and interfacing to analog and digital systems. Prerequisite(s): courses 12/L and 100/L; Electrical Engineering 70/L; previous or concurrent enrollment in course 121L required. Enrollment limited to 40.

**121L. Microprocessor System Design Laboratory (2 credits).**

Laboratory sequence illustrating topics covered in course 121. One two-hour laboratory session per week. Students design, build, program, debug, document, and demonstrate a microprocessor-based system. Students are billed for a materials fee. Prerequisite(s): courses 12C/L and 100/L; Electrical Engineering 70/L; previous or concurrent enrollment in course 121 required. Enrollment limited to 40.

**123A. Engineering Design Project I.**

First of a two-course sequence that is culmination of the engineering program. Students apply knowledge and skills gained in elective track to complete a major design project. Students complete research, specification, planning, and procurement for a substantial project. Includes technical discussions, design reviews, and formal presentations; engineering design cycle, engineering teams, and professional practices. Formal technical specification of the approved project is presented to faculty. Prerequisite(s): course 171 or computer engineering 121; previous or concurrent enrollment in computer engineering 185; must have passed core exam if computer engineering major; permission of department and instructor. Students are billed for a materials fee. (Also offered as Electrical Engineering 123A. Students cannot receive credit for both courses.)

**151. Network Administration.**

Projects include installing and configuring (client and server) machines, configuring network routing, setting up firewalls and network appliances, and setting up and using wireless networks. Includes lectures, projects presented, and discussions. Requires formal written reports, oral presentations, and demonstrations of projects. Students are billed for a materials fee. Prerequisite(s): course 150. Enrollment limited to 30.

### **174. Introduction to EDA Tools for PCB Design (3 credits).**

Focus on EDA tools for design of printed-circuit boards. Elements of design flow covered: schematic capture and simulation to final PCB layout. Final project is required. Students are billed for a materials fee. Prerequisite(s): Electrical Engineering 70 or consent of instructor.

### **185. Technical Writing for Computer Engineers.**

Writing by engineers and computer scientists, not to general audiences, but to engineers, engineering managers, and technical writers. Exercises include job application and resume, in-code documentation, algorithm description, naive-user documentation, library puzzle, survey article, proposal, progress report, formal technical report, and oral presentation. Prerequisite(s): satisfaction of Entry Level Writing and Composition requirements; Computer Science 12B or 13H or Computer Engineering 12. Enrollment restricted to School of Engineering majors. Enrollment limited to 60. (General Education Code(s): W.)

### **200. Research and Teaching in Computer Science and Engineering (3 credits).**

Basic teaching techniques for teaching assistants including responsibilities and rights of teaching assistants, resource materials, computer security, leading discussion or lab sessions, presentation techniques, maintaining class records, electronic handling of homework, and grading. Examines research and professional training, including use of the library and online databases, technical typesetting, writing journal and conference papers, publishing in computer science and computer engineering, giving talks in seminars and conferences, and ethical issues in science and engineering. Required for all T.A.s. Enrollment restricted to graduate students.

### **202. Computer Architecture.**

Provides a thorough and fundamental treatment of the art of computer architecture. Topics include concepts of von Neumann architectures, methods of evaluating CPU performance, instruction-set design and examples, compiler issues, instruction pipelining, superscalar processors, methods for reduction of branch penalty, memory hierarchies, I/O systems, floating-point arithmetic, and current issues in parallel processing. Prerequisite(s): course 110. Enrollment restricted to graduate students; undergraduates may enroll if they have completed course 110 and with consent of instructor. Enrollment limited to 30.

### **222. VLSI Digital System Design.**

Introduction to VLSI design and methodology focusing on custom integrated circuits. Topics include CMOS logic design and analysis, clocking methodologies, simulation, RC timing, CAD design tools, and design for testability. Design of sequential and combinational elements. Overview of entire ASIC design flow from C through HDLs, to gates and layout. Intended to familiarize students with design techniques and tools required for full-custom and semi-custom design. Enrollment restricted to graduate students. Undergraduates may enroll with permission of instructor.

### **240. Introduction to Linear Dynamical Systems.**

Introduction to applied linear algebra and linear dynamical systems with applications to circuits, signal processing, communications, and control systems. Topics include the following: Least-squares approximations of

over-determined equations and least-norm solutions of underdetermined equations. Symmetric matrices, matrix norm and singular value decomposition. Eigenvalues, left and right eigenvectors, and dynamical interpretation. Matrix exponential, stability, and asymptotic behavior. Multi-input multi-output systems, impulse and step matrices; convolution and transfer matrix descriptions. Control, reachability, state transfer, and least-norm inputs. Observability and least-squares state estimation. Enrollment restricted to graduate students; undergraduates may enroll if they have completed Electrical Engineering 103 and Applied Math and Statistics 147.

### **250. Multimedia Systems.**

Study of state-of-the-art technology for networked multimedia systems. Data processing and communication requirements for distributed multimedia systems. Topics include audio, image, and video delivery and compression standards, networking for multimedia, scene composition, and digital television. Proficiency in C++ required; experience in designing user interfaces recommended. Prerequisite(s): undergraduates may enroll if they have completed course 150 and either course 108 or Electrical Engineering 103. Enrollment restricted to graduate students.

### **252A. Computer Networks.**

Issues resulting from organizing communication among autonomous computers. Includes network models and switching techniques; medium access control protocols and local area networks; error control and retransmission strategies; routing algorithms and protocols; congestion control mechanisms and end-to-end protocols; application-level protocols; and application of concepts to wireless and wireline networks, with emphasis on the Internet. Enrollment restricted to graduate students.

### **258. Unix Networking Internals.**

In-depth treatment of the implementation of network protocols in typical open-source Unix systems. Topics include implementation of send and receive functions, buffer management, interrupt handling, locking, scheduling and timer management. Major implementation project required. Prerequisite(s): course 252A, Computer Science 111. Enrollment restricted to graduate students.

### **264. Image Analysis and Computer Vision.**

Brief review of image processing. Binary images, thresholding, morphological operations; edge detection and segmentation; contours: digital curves and curve fitting; statistical texture analysis, shape from texture; depth cues, stereo matching, depth from stereo; color perception and segmentation; and shading and image radiance, surface orientation, and shape from shading. Students who have completed course 261 may not take course 264 for credit. Electrical Engineering 264 encouraged, but not required. Undergraduate students who are interested in enrolling should meet with the instructor first.

### **276. Software Engineering.**

Introduction to the general principles of software engineering. Covers current and classical topics from both practical and theoretical viewpoints. Topics include software evolution, project management, software inspections, design methods, requirements analysis and specification, software testing, maintenance, software implementation, human interfaces, and software engineering experimentation. Enrollment restricted to graduate students; undergraduates may enroll in this course if they have completed Computer Science 115.

### **280C. Seminar on Control (2 credits).**

Weekly seminar series covering topics of current research in theory and application of control to engineering systems. Current research work and literature in these areas discussed. Enrollment restricted to graduate students; undergraduates may enroll with permission of instructor.

### **280P. Seminar on Parallel Processing (2 credits).**

Weekly seminar series covering topics of current research in parallel systems, architectures, and algorithms. Current research work and literature in these areas are discussed. Enrollment restricted to graduate students. Enrollment limited to 20. May be repeated for credit.

### **280V. Seminar on Computer Vision (2 credits).**

Weekly graduate-level seminar series discussing advanced topics in computer vision and image analysis. Current research and literature presented during each meeting. Enrollment limited to 20. May be repeated for credit.

### **293. Advanced Topics in Computer Engineering.**

A graduate seminar on a research topic in computer engineering which varies according to instructor. Possible topics include, but are not limited to, communication networks, data compression, special-purpose architectures, computer arithmetic, software reliability and reusability, systolic arrays.

## **Computer Science**

### **2. Computer Literacy.**

Introduction to how computers work and how to use them. Topics covered include network information systems, text editors, formatting, file and directory system, spreadsheets and databases. Computers as symbol manipulation devices. Introduction to programming concepts and computer languages. Impact of computers on society. Designed for students with little or no experience using computers. Preference is given to students who have not taken other computer engineering or computer science courses. Students cannot receive credit for this course and Computer Engineering 3. (General Education Code(s): IN.)

### **10. Introduction to Computer Science.**

An overview of the theory, foundations, and practice of computer science with emphasis on what computers can and cannot do, now and in the future. Topics include algorithms and data, correctness and efficiency of algorithms, hardware, programming languages, limitations of computation, applications, and social issues. No programming skills are required as a prerequisite. Major concepts and open problems in computer science are presented without reliance on sophisticated mathematical tools. (General Education Code(s): IN.)

### **12A. Introduction to Programming.**

An introductory programming course for computer science and engineering majors where students learn programming and documentation skills, as well as algorithmic problem solving and programming methodologies. Introduces students to computers, compilers, and editors, and they are expected to write medium-sized programs. Topics include, but are not limited to, procedures and functions, conditionals and loop control structures, static and dynamic memory manipulations, and text processing. Prior experience with Unix helpful, and some prior programming experience strongly recommended (e.g., course 10). This course is required for computer engi-

neering, computer science, electrical engineering, and information systems management majors. Prerequisite(s): eligibility to enroll in Mathematics 19A (Mathematics 2B or 3 or 40 or higher on mathematics placement exam) or Mathematics 19A or 11A or Economics 11A or Applied Math and Statistics 11A. Concurrent enrollment in course 12L required. (General Education Code(s): IN.)

### **12L. Computer Programming Laboratory (2 credits).**

Laboratory sequence complementing topics taught in course 12A by providing training and exposure to several software development tools and practices not covered in course 12A. In addition, the lab provides an initial exposure to a second programming language to reinforce concepts from course 12A. Prerequisite(s): eligibility to enroll in Mathematics 19A (Mathematics 2B or 3 or 40 or higher on mathematics placement exam) or completion of Mathematics 11A or 19A or Economics 11A or AMS 11A. Previous or concurrent enrollment in 12A required.

### **60G. Beginning Programming: Social Sciences and Humanities.**

An introduction to the basic techniques of computer programming. Detailed study of one programming language. Extensive practice using a computer, particularly personal computers, to solve problems. Course 60G is intended for social sciences and humanities students. Students can only receive credit for either 60G or 60N. Students cannot receive credit for course 60G if taken concurrently with or subsequently to course 12A. (General Education Code(s): IN.)

### **80B. Systems and Simulation.**

An introduction to systems analysis as an approach to understanding and solving complex problems. The use of simulation as an aid in this problem solving. Examples are taken from ecology, economics, physics, computer science, and other fields. Intended as a generally accessible undergraduate course in which students can develop and explore computer simulation models matched to their individual interests. (General Education Code(s): T2-Natural Sciences, Q.)

### **101. Algorithms and Abstract Data Types.**

Studies basic algorithms and their relationships to common abstract data types. Covers the notions of abstract data types and the distinction between an abstract data type and an implementation of that data type. The complexity analysis of common algorithms using asymptotic (big "O") notation is emphasized. Topics include sorting and searching techniques, basic graph algorithms, and algorithm design techniques. Abstract data types covered include priority queues, dictionaries, disjoint sets, heaps, balanced trees, and hashing. Familiarity with C, Java, and Unix is assumed. Prerequisite(s): course 12B or 13H, Computer Engineering 16 or 16H, Mathematics 19B, and one course from the following: Mathematics 21, 22, 23A, 24, or Applied Mathematics and Statistics 27. Enrollment restricted to School of Engineering majors.

### **102. Introduction to Analysis of Algorithms.**

Methods for the systematic construction and mathematical analysis of algorithms. Order notation, the RAM model of computation, lower bounds, and recurrence relations are covered. The algorithm design techniques include divide-and-conquer, branch and bound, and dynamic programming. Applications to combinatorial, graph, string, and geometric algorithms. Prerequisite(s): course 101.

### **104A. Fundamentals of Compiler Design I.**

An introduction to the basic techniques used in compiler design. Topics include compiler structure, symbol tables, regular expressions and languages, finite automata, lexical analysis, context-free languages, LL(1), recursive descent, LALR(1), and LR(1) parsing; and attribute grammars as a model of syntax-directed translation. Students use compiler building tools to construct a working compiler. Prerequisite(s): course 101 and Computer Engineering 12 and 12L.

### **111. Introduction to Operating Systems.**

Fundamental principles of operating systems: process synchronization, deadlocks, memory management, resource allocation, scheduling, storage systems, and study of several operating systems. A major programming project will be required. Prerequisite(s): course 101 and Computer Engineering 110.

### **130. Computational Models.**

Various representations for regular languages, context-free grammars, normal forms, parsing, pushdown automata, pumping lemmas, Turing machines, the Church-Turing thesis. Prerequisite(s): course 101.

### **160. Introduction to Computer Graphics.**

Introduces different techniques of modeling, transformation, and rendering to obtain computer generated imagery. Topics include 2D and 3D graphical primitives, line drawings, curves and surface modeling, projections, matrix composition, hidden surface removal, and shading algorithms. Several intensive programming assignments on bit-mapped raster scan displays and a major programming project are required. Prerequisite(s): course 101 and Mathematics 21 or Applied Mathematics and Statistics 27. Concurrent enrollment in course 160L required. Enrollment limited to 35.

### **160L. Introduction to Computer Graphics Laboratory (2 credits).**

Complements course 160, gaining additional competence with a number of important software development tools, graphics libraries, and graphical user interfaces. Included are OpenGL program, utilizing rubberbanding, picking, trackballing, display lists, double buffering, lighting, shading, materials and textures; and FLTK program, utilizing sliders, buttons, and dialog boxes. Prerequisite(s): course 101 and Mathematics 21 or Applied Math 27. Concurrent enrollment in course 160 required. Enrollment restricted to all engineering majors. Enrollment limited to 35.

### **190X. Methods of Cryptography.**

Theory and practice of encryption and decryption. Classic ciphers. Shannon's information-theoretic approach. Block and stream ciphers. The DES standard. Public key systems: Diffie-Hellman key exchange, RSA, digital signatures. Elliptic curve cryptography. Authentication protocols. Prerequisite(s): Mathematics 19B, 21, and Computer Engineering 16, or equivalent courses. Applied Mathematics and Statistics 27 or equivalent may be substituted for Mathematics 19B and 21. Consult with instructor regarding a course equivalent.

### **200. Research and Teaching in Computer Science and Engineering (3 credits).**

Basic teaching techniques for teaching assistants, including responsibilities and rights of teaching assistants, resource materials, computer security, leading discussion or lab sessions, presentation techniques, maintaining class records, electronic handling of homework, and grading. The course examines research and professional training, including use

of the library and online databases, technical typesetting, writing journal and conference papers, publishing in computer science and computer engineering, giving talks in seminars and conferences, and ethical issues in science and engineering. Required for all teaching assistants. Enrollment restricted to graduate students.

### **201. Analysis of Algorithms.**

Rigorous analysis of the time and space requirements of important algorithms, including worst case, average case, and amortized analysis. Techniques include order-notation, recurrence relations, information-theoretic lower bounds, adversary arguments. Analysis of the key data structures: trees, hash tables, balanced tree schemes, priority queues, Fibonacci and binomial heaps. Algorithmic paradigms such as divide and conquer, dynamic programming, union-find with path compression, augmenting paths. Selected advanced algorithms. Introduction to NP-completeness. Enrollment restricted to graduate students; undergraduate students may enroll in this course if they have completed either course 102 or Computer Engineering 177 and have the consent of the instructor.

### **203. Programming Languages.**

Covers current issues in programming languages. Language topics include object oriented, concurrent, functional, and logic programming, and other programmable applications such as symbolic manipulators and simulation. Enrollment restricted to graduate students; undergraduate students may enroll for this course if they have completed course 112 and have the consent of the instructor.

### **221. Advanced Operating Systems.**

A detailed study of the issues involved in operating systems design and implementation. Readings cover current research topics and systems of historical significance. Topics include (but are not restricted to) process and memory management, protection, security, synchronization, performance evaluation, file systems, distributed systems. Enrollment restricted to graduate students; undergraduates by interview only.

### **242. Machine Learning.**

Introduction to machine learning algorithms. Covers learning models from fields of statistical decision theory and pattern recognition, artificial intelligence, and theoretical computer science. Topics include classification learning and the Probably Approximately Correct (PAC) learning framework, density estimation and Bayesian learning, EM, regression, and online learning. Provides an introduction to standard learning methods such as neural networks, decision trees, boosting, nearest neighbor, and support vector machines. Requirements include one major experimental learning project or theoretical paper. Enrollment restricted to graduate students. Enrollment limited to 30.

## **Digital Arts and New Media**

### **201. Recent Methods and Approaches to Digital Arts and Culture.**

Students examine methods and approaches to research and writing in Digital Media Art and Culture, and explore key theories concerning digital media and cultures. The course may focus on the interaction between digital technologies and socio/cultural formations. (Formerly Digital Arts and New Media: History.) Enrollment restricted to graduate students. Upper-division undergraduates may enroll with permission of instructor.

**210. Project Design Studio.**

Students work on the design of individual projects by developing project proposals, budgets, “proof of concept” design documents and/or prototypes and exploring tools, technologies, programming languages, hardware, software, and electronics techniques relevant to their projects. Enrollment restricted to graduate students. Enrollment limited to 18.

**214. Sound Design for Theater.**

Intensive exploration of the aesthetics and technology of sound as a design element in live theatrical applications. Projects cover all phases of the production process. Lectures and hands-on demonstrations prepare the student for real-world system design, playback design, and reinforcement techniques. (Also offered as Theater Arts 214. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Upper-division undergraduates may enroll with permission of instructor. Enrollment limited to 15.

**247. Performance/Performativities.**

Performance acts and theories of performativity in visual culture from modernity to present. Major theoretical positions subtending the emergence of performances/performativities: subjectivity, identity, temporality, media, ritual, the event, the body and embodiment, collaboration, and politics. (Also offered as History of Consciousness 247. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Qualified seniors accepted with permission of instructor. Enrollment limited to 15.

**250B. Collaborative Research Project Groups.**

A three-quarter collaborative research project group in one of three focus areas that represent the current research of DANM faculty: Participatory Culture, Mechatronics, and Performative Technology. Students and faculty engage in research collaborations resulting in publications and exhibitions. Enrollment restricted to graduate students. Enrollment limited to 8. May be repeated for credit.

**Earth Sciences**

**5. California Geology.**

An introduction to physical geology emphasizing the minerals, rocks, volcanoes, mountains, faults, and earthquakes of California. In-class field trips to study the caves, rocks, and landforms of the campus and the Monterey Bay area. Discussion-1 hour. Concurrent enrollment in 5L required for majors and minors. (General Education Code(s): IN.)

**5L. California Geology Laboratory (1 credit).**

Laboratory sequence illustrating topics covered in course 5 with particular emphasis on rock and mineral identification and map interpretation. Field trip. Laboratory three hours. Students are billed for a materials fee.

**6. Concepts in Environmentalism.**

Learn scientific concepts required to be an informed environmentalist. Topics include urban smog; water resources and pollution; waste treatment; acid rain; global climate change; fossil fuel, nuclear, and renewable energy; overpopulation; and how an individual can minimize his or her environmental impact. Will be offered in the 2006–07 academic year. Offered in alternate academic years. (General Education Code(s): IN.)

**80A. Earth Catastrophes.**

The role of catastrophic processes in shaping Earth and the environment in which we live. The physical processes

causing earthquakes, volcanic eruptions, tsunamis, floods, windstorms, landslides, and meteorite impacts will be described, along with the role played by these rapid processes in the geological and biological evolution of the planet. Interdisciplinary approaches to understanding these phenomena will be discussed. The entire time scale from formation of the universe to the present Earth system will be considered. (General Education Code(s): T2-Natural Sciences.)

**102. Marine Geology.**

Geology of the marine environment. Topics include controls on the types, origin, and distribution of marine sediments; geology of oceanic crust; evolution of continental margins and plate boundaries; introduction to paleoceanography. Discussion: 1 hour. Students cannot receive credit for this course and Ocean Sciences 280. Prerequisite(s): course 5 or 10 or 20 or Biology 20C.

**104. Geologic Hazards.**

The recognition, evaluation, and mitigation of geologic hazards: earthquakes and faulting, tsunamis, volcanism, landslides and mass movements, flooding, subsidence, and coastal erosion. Students are billed for a materials fee. Prerequisite(s): course 10/L or 5/L or 20/L. Offered in alternate academic years.

**109. Elements of Field Geology.**

Basic tools and techniques used in geologic fieldwork. Preparation, analysis, and interpretation of geologic maps. Nine days of weekend field trips required, including a six-day geologic mapping exercise. Laboratory: 2 hours. Recommended for courses 120, 130, 150, and required for 188A-B. May not be taken concurrently with course 120. Students are billed for a materials fee. Prerequisite(s): course 10 or 5 or 20, and 10L or 5L or 20L. Concurrent enrollment in 109L is required. Enrollment limited to 25.

**109L. Field Geology Laboratory (2 credits).**

Laboratory exercises essential to the successful completion of fieldwork required in course 109. Topics include topographic maps, Brunton compass, rock identification and description, structure sections, and landslide recognition. Concurrent enrollment in course 109 required. Enrollment limited to 25.

**110A. Evolution of the Earth.**

Investigation of the processes and mechanisms that have produced the present Earth system, with an emphasis on the temporal evolution of the earth from the Archean to the present. Specific topics covered include cyclicity in Earth processes and the evolution of, and interplay between the planet’s crust, atmosphere, hydrosphere, and biosphere. Prerequisite(s): courses 5 or 10 or 20, and 5L or 10L or 20L, and Mathematics 11A or 19A.

**110L. Evolution of the Earth Laboratory (2 credits).**

Laboratory sequence illustrating topics covered in course 110A. Emphasis is on quantifying and evaluating different phenomena related to thermal, tectonic, climatic, and evolutionary processes. Prerequisite(s): concurrent enrollment in course 110A.

**111. Mathematics in the Earth Sciences.**

Series and sequences, vectors, 3D analytic geometry, partial differentiation, matrix algebra, and differential equations with applications in the Earth sciences. Topics include matrix manipulation, systems of linear equations, least-squares, Taylor series, gradients, optimization, ana-

lytic and numerical solutions to differential equations. Prerequisite(s): courses 5 or 10 or 20 and Mathematics 11B or 19B.

**117. Paleomagnetism.**

How the fossil magnetism of rocks is used to decipher Earth’s history: applications to tectonics, geochronology, stratigraphy, structural geology, geomagnetism, and archeology. Includes an overnight field trip to collect samples for a class research project. Students are billed for a materials fee. Prerequisite(s): course 5, 10 or 20; Mathematics 11A or 19A; course 117L must be taken concurrently.

**117L. Paleomagnetism Laboratory (2 credits).**

A hands-on research project in the Paleomagnetic Laboratory. Students collectively drill oriented cores in the field (one–two days), prepare and measure the samples, and analyze and interpret the data. Each student writes an individual final report based on the class results. Prerequisite(s): concurrent enrollment in course 117 is required.

**128. Stable Isotope Geochemistry: Applications in Earth and Marine Sciences.**

Explores theory and concepts of classical stable isotope chemistry (H/D, C, N, O, S) with applications relevant to Earth, marine, and biological sciences. Will be offered in the 2006–07 academic year. Prerequisite(s): course 110B; Ocean Sciences 120 recommended as preparation.

**190. Earth Sciences Mentorship (1 credit).**

Faculty research activity, analytic facilities, and career counseling in three separate Earth sciences laboratories are offered with varied formats including field trips, discussions, and equipment demonstrations. Three different faculty participate in each offering. Enrollment restricted to Earth sciences, Earth sciences/anthropology, and environmental studies/Earth sciences majors. Enrollment limited to 24. May be repeated for credit.

**196A. Introductory Teaching Seminar (2 credits).**

Training for undergraduates in practical teaching skills. Focus on preparation, assessment, and feedback. Classroom techniques, organizational and time management strategies, practice teaching sessions. Students cannot receive credit for this course and course 203. Future participation in 196B is encouraged. Course may not be counted toward upper-division major requirements. Enrollment restricted to Earth sciences, Earth sciences/anthropology, and environmental studies/Earth sciences majors.

**203. Introductory Teaching Seminar (2 credits).**

Intended for new Earth sciences graduate students. Focus on preparation, assessment, and feedback. Classroom techniques, organizational and time management strategies, practice teaching sessions specific to laboratory and/or science instruction. Required follow-up meetings to discuss practical teaching experience. Students cannot receive credit for this course and course 196A. Enrollment restricted to graduate students.

**205. Introductory Graduate Seminar.**

Each week a different faculty member conducts a seminar or a field trip concerned with one of his or her specialties. Students will write weekly abstracts and select one of these topics for a major written report. Two weekend field trips. Students are billed for a materials fee. Enrollment restricted to Earth sciences graduate students.

**220. Groundwater Modeling.**

Introduction to the role and application of models to

solving hydrologic problems. Discussion of modeling methods include analytical, finite-difference, finite-element, and analytical element. Emphasis on using models rather than the details of their functioning. Some comfort with mathematical methods and computers expected. Course designed for graduate students, but available to qualified Earth science majors. Will be offered in the 2006–07 academic year. Prerequisite(s): graduate standing or permission of instructor required. One year of calculus is recommended as preparation.

**231. Igneous Petrology.**

Systematic study of the major igneous rock suites, combining petrography, experimental petrology, major and trace elements, volatiles, and isotopic characteristics. Laboratory: three hours. Course designed for graduate students but available to qualified earth sciences majors. Course 130 is recommended as preparation.

**275. Magnetohydrodynamics.**

Study of fluid dynamics and magnetic fields with a focus on convection and magnetic field generation in planets and stars. Students develop a computer program for modeling magneto-convection. Computer programming experience recommended. Enrollment restricted to graduate students. Offered in alternate academic years.

**290F. Topics in Coastal Processes (2 credits).**

Instructor and students lead discussions and make presentations on current research, problems, and publications in coastal processes. These topics include littoral drift, sediment transport and storage on the inner shelf, shoreline erosion/change and its documentation, and related issues. Enrollment restricted to graduate students. May be repeated for credit.

**292. Seminar (no credit).**

Weekly seminar attended by faculty, graduate students, and upper-division undergraduate students.

**Economics**

**1. Introductory Microeconomics: Resource Allocation and Market Structure.**

For all interested students as well as prospective economics majors. Examines how markets allocate resources in different kinds of economies. Topics include competitive markets, monopoly, financial markets, income distribution, market failures, the environment, and the role of government. (General Education Code(s): IS.)

**2. Introductory Macroeconomics: Aggregate Economic Activity.**

For all interested students and prospective economics majors. Examines how the overall level of national economic activity is determined, including output, employment, and inflation. Explores the roles of monetary and fiscal policies in stabilizing the economy and promoting growth, with a focus on contemporary policy debates. (General Education Code(s): IS.)

**10A. Economics of Accounting.**

Introduction to accounting principles and practice; preparation and analysis of financial statements; study of internal control procedures. Courses 10A and 10B satisfy the Accounting 1A-B requirement at UC Berkeley.

**11A. Mathematical Methods for Economists.**

An introduction to mathematical tools and reasoning, with applications to economics. Topics are drawn from precalculus and calculus and include functions and graphs, techniques of differentiation, relative extrema, logarithms

and exponents, and differentials. Students who have already taken Mathematics 11A and 19A should not take this course. (Also offered as Applied Math and Statistics 11A. Students cannot receive credit for both courses.) Prerequisite(s): score of 31 or higher on Math Placement Exam. Students who do not place into precalculus should enroll in Mathematics 2. (General Education Code(s): IN, Q.)

**11B. Mathematical Methods for Economists.**

Mathematical tools and reasoning, with applications to economics. Topics are drawn from integral calculus, multivariable calculus, and linear algebra and include definite integrals, partial derivatives, Lagrange multipliers, matrix algebra, and solving systems of linear equations. (Also offered as Applied Math and Statistics 11B. Students cannot receive credit for both courses.) Prerequisite(s): course 11A or Applied Mathematics and Statistics 11A. (General Education Code(s): Q.)

**80J. Value and Support of the Arts: Challenges and Opportunities in American Society.**

Considers the value of the arts in an era of increasing budgetary duress, along with focus on specific funding concerns arising in such an environment. Students cannot receive credit for this course and course 185. (General Education Code(s): T5-Humanities and Arts or Social Sciences.)

**100A. Intermediate Microeconomics.**

Covers major theoretical issues arising in the study of resource allocation, the function of markets, consumer behavior, and the determination of price, output, and profits in competitive, monopolistic, and oligopolistic market structures. Also considers issues of welfare and public policy. Students cannot receive credit for this course and course 100M. Prerequisite(s): courses 1, 2 and 11A or Applied Mathematics and Statistics 11A or Mathematics 11A or 19A; Course 11B is strongly recommended.

**100B. Intermediate Macroeconomics.**

Covers major theoretical issues arising in the study of income, employment, interest rates, and the price level. Examines the role of monetary and fiscal policy in economic stabilization. Also considers these issues as they relate to the global economy. Prerequisite(s): courses 1, 2, and 11A or Applied Mathematics and Statistics 11A or Mathematics 11A or 19A. Course 100A is strongly recommended as preparation.

**101. Managerial Economics.**

Analysis of the theory and practice of decision making in business firms, applying the concepts and techniques of microeconomics. Topics may include pricing schemes, non-price competition, internal organization of firms, incentive contracts, asymmetric information, and game theory. Case studies are used to illustrate some topics. Prerequisite(s): courses 100A or 100M, and 113.

**108. Business and Society.**

Examine how public policies and social forces affect business, how managers influence these forces; analyze social responsibility and ethical behavior of individuals, business and government regulation, environmental protection, employee–employer relations.

**111A. Intermediate Accounting I.**

Principles, control, and theory of accounting for assets; accounting as an information system; measurement and determination of income. Projects involving spreadsheet software required. Prerequisite(s): course 10B.

**113. Introduction to Econometrics.**

Practical methods for organizing and analyzing economic data, testing economic hypotheses, and measuring economic relationships. Regression analysis is the main empirical method, and basic statistical and probability theory is included. Students gain hands-on computer experience with an econometric software package. Students cannot receive credit for this course and Engineering 113. Prerequisite(s): courses 1, 2, and either course 11B or Mathematics 22. Courses 100A or 100B strongly recommended as preparation. (General Education Code(s): Q.)

**118. Fraud Examination.**

Covers the principles and methodology of fraud detection and deterrence. Includes topics such as skimming, cash larceny, check tampering, register disbursement schemes, billing schemes, payroll and expense reimbursement schemes, non-cash misappropriations, corruption, accounting principles and fraud, fraudulent financial statements, and interviewing witnesses. Prerequisite(s): course 10B.

**120. Economic Development.**

A comparative approach to the study of the economic development of low-income countries. Various obstacles to growth are identified, and different types of solutions are analyzed. Prerequisite(s): courses 1 and 2. (General Education Code(s): E.)

**126. Why Economies Succeed or Fail: Lessons from Western and Japanese History.**

Examines the emergence of capitalism and the world's first industrial revolution in Britain, continental Europe industrialization, Soviet economic growth and collapse, and the Japanese economic miracle. Asks about the historical sources of long-run economic development, stagnation, and decline. Draws lessons for current debates over free market versus more interventionist policies, economic reform in the former Communist nations, and economic rivalry between the U.S. and Japan. Prerequisite(s): courses 1 and 2. Related course work in history also helpful.

**128. Poverty and Public Policy.**

Studies the causes, consequences, and governmental response to urban poverty in the U.S. Topics include how public policy, the macroeconomy, race, gender, discrimination, marriage, fertility, child support, and crime affect and are affected by urban poverty. Emphasizes class discussion and research. (Also offered as Legal Studies 128. Students cannot receive credit for both courses.) Prerequisite(s): satisfaction of Entry Level Writing and Composition requirement; courses 100A and 113 or consent of instructor. Enrollment restricted to economics, business management economics, global economics, legal studies, or economics combined majors. Enrollment limited to 35. (General Education Code(s): W, E.)

**135. Corporate Finance.**

An analysis of financial policies of business enterprises. Topics include cash flow analysis, stock and bond valuation, asset pricing models, capital budgeting, financial market institutions, and financial planning. Prerequisite(s): courses 10A, 100A, and 113.

**136. Business Strategy.**

The strategic management process, techniques for analyzing single-business and diversified companies, implementing strategy, organization, business planning, financial strategy, competitive analysis, entrepreneurial skills. Prerequisite(s): courses 10A and 100A.

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**136L. Laboratory Business Strategy (2 credits).** Laboratory sequence discussing business simulation game associated with course 136. One three-hour session in microcomputer lab. Prerequisite(s): concurrent enrollment in course 136.

**138. The Economics and Management of Technology and Innovation.**

Examines the analytics of issues in technology and innovation, including cooperation in research and development (R&D), standardization and compatibility, patents and intellectual property rights, and strategic management, using economic models and firm case studies. Prerequisite(s): course 100A or permission of instructor.

**140. International Trade.**

The theory of international production and trade. The effects of tariffs and quantitative trade restrictions; the nature of economic integration; multinational firms; effects of trade and protection on economic stability and welfare. Prerequisite(s): course 100A or 100M.

**150. Public Finance.**

Economics of taxation, including incidence, equity issues, efficiency, and supply side effects. Close attention to taxes in the U.S. system and tax-reform issues. Prerequisite(s): courses 100A and 100B.

**162. Legal Environment of Business.**

A study of law and the legal process, emphasizing the nature and function of law within the U.S. federal system. Attention is given to the legal problems pertaining to contracts and related topics, business association, and the impact of law on business enterprise. (Also offered as Legal Studies 162. Students cannot receive credit for both courses.) Prerequisite(s): course 100A.

**165. Economics as an Experimental Science.**

The design, execution, and analysis of laboratory experiments in economics. Students study experimental methodology, critically survey the published literature, and design an experiment. Literature includes lab studies of investigations in auctions, markets, social choice theory, and game theory. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, course 100A. Enrollment limited to 20. (General Education Code(s): W.)

**183. Women in the Economy.**

Study of gender roles in economic life, past and present. Topics include occupational structure, human capital acquisition, income distribution, poverty, and wage differentials. The role of government in addressing economic gender differentials is examined. (Also offered as Legal Studies 183. Students cannot receive credit for both courses.) Prerequisite(s): satisfaction of Entry Level Writing and Composition requirements; courses 1, 2, and 100A; course 113 strongly recommended. (General Education Code(s): W.)

**185. Value and Support of the Arts: Challenges and Opportunities in American Society.**

Considers the value of the arts in an era of increasing budgetary duress, along with focus on specific funding concerns arising in such an environment. Students cannot receive credit for this course and course 80J. Course 1 is strongly recommended as preparation.

**186. Mathematical Methods for Economic Analysis.**

Presents mathematical methods commonly used in graduate-level economic analysis: basic matrix algebra, real

analysis, functions, continuity concepts, differentiation, Taylor expansions, and implicit function theorem and optimization. Prerequisite(s): interview only: admitted to M.S. or Pathway Programs.

**200. Microeconomic Analysis.**

Survey of partial equilibrium analysis, market distortions, consumer choice and production and trade theory, perfect and imperfect competition, price discrimination, and intertemporal choice theory.

**204A. Advanced Microeconomic Theory.**

Economic theory of individual and market behavior, including constrained optimization, duality, theory of the consumer, theory of the producer, dynamic optimization, behavior under uncertainty, intertemporal choice, asymmetric information, game theory, partial and general equilibrium, pure and applied welfare economics, public goods and externalities. Illustrative examples emphasize international applications. Courses must be taken in sequence.

**205A. Advanced Macroeconomic Theory.**

Modern macroeconomic theory: determination of national income; employment, inflation, and exchange rates; theories of growth and business cycle fluctuations; international transmission of inflation and other disturbances; recent developments in the analysis of macroeconomic policy; modern theoretical and empirical analysis of aggregate relationships. Courses must be taken in sequence.

**209A. Accounting I.**

Principles, control, and theory of accounting for assets; accounting as an information system; measurement and determination of income. M.S. level projects required. Enrollment restricted to graduate students.

**210B. Mathematical Methods for Economic Analysis.**

A course in introductory mathematical economics which covers standard optimization problems, difference and differential equations, optimal control theory, decisions under uncertainty, game theory, and stochastic calculus. Course 210A or equivalent is strongly recommended as preparation.

**211C. Topics in Empirical Research.**

A topic course in econometrics designed for graduate students interested in quantitative analysis. Selected topics, including standard and recently developed econometric techniques, are critically and thoroughly discussed. In addition to methodology, focuses on exploring the research potential and applications of advanced econometric techniques. Courses 211A and 211B are strongly recommended as preparation.

**216. Applied Econometric Analysis I. F**

The use of statistical techniques for the testing of economic hypotheses and the estimation of parameters, with emphasis on regression analysis. Includes methods of dealing with serial correlation, errors in variables, multicollinearity, and heteroscedasticity. Experience with common statistical packages.

**234. Financial Institutions and Markets.**

This course examines the evolving microstructure of financial markets, instruments, and institutions. Topics include the role of banks and other financial intermediaries and the trading practices for domestic and international financial instruments, including equity, debts, futures, and options. Prerequisite(s): course 233.

**240A. Advanced International Trade Theory I.**

The theory of international trade and commercial policy. Both traditional analyses and recent developments are covered. Topics include both normative and positive theoretical analyses, as well as empirical testing of theory. Enrollment restricted to graduate students. Courses 204A-B-C are strongly recommended as preparation.

**241A. Advanced International Finance I.**

Financial aspects of aggregate capital and trade flows and income determination in open economies. Specific topics include financial risk in the international setting, international borrowing and lending, money and exchange rate regimes, income determination and macroeconomic policy, current issues in international monetary reform.

**250. Advanced Public Finance.**

Theory of the role of public sector expenditures and taxes in market economies. Analyzes efficiency and equity arguments for government intervention. Topics include the role of public debt and deficits in economies, international effects of tax and spending policies, and economic theories of public sector decision making. Courses 204A and 205A are strongly recommended as preparation.

**270. Advanced Topics in Microeconomic Theory.**

Advanced topics and current research in microeconomic theory, including game theory and general equilibrium analysis. Courses 204A-B and 205A are strongly recommended as preparation. The Staff

**294A. Applied Economics Laboratory (2 credits).**

Practical experience in managing computerized data sets and running statistical packages. Covers SAS, RATS, TSP, Bridge Equity System, LIMDEP, GAUSS, and MAPLE programs; and Internet, IFS, OECD, and SPIRS EconLit databases. May be repeated for credit.

**296A. Third Year Ph.D. Seminar.**

Student presentations of literature and/or original research in areas of student research interest. Student discussion of presentations under faculty supervision. Prerequisite(s): courses 204C, 205C, 211B, 240A, 240B, 241A, and 241B are required preparation.

## Education

**92A. The Evolution of Education.**

Introduction to educational theory, Plato through Freire. A survey of major ideas and issues in education, ranging from the purposes of education and the organization of knowledge to the nature of teaching, compulsion in schooling, and questions concerning developmental theory, moral education, and aesthetic education. Course enrollment is unrestricted. (General Education Code(s): IS.)

**160. Issues in Educational Reform.**

Explores a variety of perspectives on key educational policy issues including desegregation, bilingual education, affirmative action, charter schools, national and state curriculum standards, student assessment and the assessment and certification of teachers. Enrollment restricted to juniors and seniors. Enrollment limited to 50.

**180. Introduction to Teaching.**

Designed to encourage students to think about teaching in new ways. Assumptions about teaching and schooling are examined as well as considering what it takes to teach so that children learn and understand. Not a course in how to teach, but an opportunity to reconsider what

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teaching should try to accomplish and what kinds of learning teachers should foster. Practicum in the schools of 30 hours per quarter required. (Formerly course 80.) Enrollment restricted to juniors and seniors. Enrollment limited to 120.

### **181. Race, Class, and Culture in Education.**

Examines the schooling experience and educational attainment of racial/ethnic minority students in the U.S. Focuses primarily on domestic minorities. Addresses issues of variability between and within minority groups and the role of cultural, structural, and psychological factors in the educational attainment of these students. Enrollment restricted to juniors and seniors. Enrollment limited to 50. (General Education Code(s): E.)

### **200A. Introduction to Educational Inquiry.**

Addresses foundational knowledge needed to understand and conduct educational inquiry and research. Topics include epistemology in the human sciences, philosophical foundations of modern research strategies, and general classes of research investigations in education. Enrollment restricted to education graduate students. Enrollment limited to 15.

### **203. Applied Classroom Analysis and Methods: Beginning Student Teaching.**

A required course that introduces students to the diverse cultural and linguistic settings of today's classrooms. Classroom practices, instructional strategies, and analysis are emphasized. First course in the student teaching placement series. Placements are used to examine and apply teaching methods while developing classroom management skills. Class meetings include discussion and demonstration of teaching methods. Enrollment limited to 50.

### **211A. Reading and Language Arts for Elementary Classrooms.**

This course provides both a theoretical and practical foundation for literacy instruction, emphasizing reading and language arts instruction in grades K–8. Interactive instruction and field experience will be used to examine curricula, methods, materials, and literacy evaluation. Enrollment restricted to graduate students. Enrollment limited to 30. (F) L. Pease-Alvarez,

### **212B. Science Education: Research and Practice.**

Examines theoretical approaches to the learning and teaching of science including the nature of scientific knowledge, theories of how children learn science, approaches to scientific discourse, and perspectives on addressing diversity in science classrooms. Course is required for single subjects science credential. Enrollment restricted to program enrollees. Enrollment limited to 50.

### **213A. Mathematics Learning and Teaching in Elementary Classrooms.**

This course is required for the multiple subject credential. Examines constructivist and sociocultural approaches to the learning and teaching of mathematics in elementary classrooms, including the nature of mathematics and theories of how children learn mathematics. Provides an introduction to mathematics teaching standards and a critical overview of curricula, instructional theories, and multiple approaches to teaching the “big ideas” in elementary mathematics. Enrollment restricted to graduate students admitted to the credential program. Enrollment limited to 50.

### **213B. Math Education: Research and Practice.**

Examines theoretical approaches to the learning and teaching of mathematics. Topics include the nature of

mathematical knowledge, theories of how children learn mathematics, approaches to mathematical discourse, and perspectives on addressing diversity in mathematics classrooms. Course is required for secondary mathematics credential. Enrollment restricted to graduate students admitted to the credential program. Enrollment limited to 50.

### **214A. English Teaching: Theory and Curriculum.**

Required for the single-subject English credential student. Examines sociocultural approaches to the learning and teaching of English in secondary classrooms, including theories of how children learn English language, literature, and composition. Enrollment restricted to education graduate students.

### **215B. Social Science Teaching for Secondary Classrooms.**

Prepares social science single subject credential candidates for student teaching in winter and spring. Course focuses on developing curricula and strategies in the content area. Through classroom placements, students observe and apply techniques to develop curriculum units that are used in student teaching. Enrollment restricted to graduate students. Enrollment limited to 50.

### **253. Methods of English Language Development.**

This course will help future educators develop a practical theory for teaching English in the elementary and secondary schools to students who speak other languages. Topics include current trends in the field, language assessment, and the design of instructional units. Enrollment restricted to program enrollees. Enrollment limited to 30.

### **260A. Math Education and Latinos (2 credits).**

Introduction to research literature relevant to mathematics education and Latinos and topics such as “Language and Mathematics Learning” and “Teaching Mathematics in Bilingual Classrooms.” Intended for education Ph.D. students working with the Center for Mathematics Education and Latinos (CEMELA). Seminar extends over three quarters (fall, winter, spring). Enrollment restricted to graduate students. Enrollment limited to 10.

### **261. Thinking, Learning, and Teaching.**

Examines multiple theoretical perspectives on thinking, learning, and teaching; the development of the whole person in a variety of cultural contexts; the roles thinking, learning, and teaching play in that development; and how researchers' and educators' conceptions shape instruction. Enrollment restricted to education graduate students. Enrollment limited to 15.

### **265B. Topics in Elementary Education: Teaching Special Populations (2 credits). F**

Addresses the preparation of teachers for meeting needs of special populations within the general education setting. Covers basic knowledge, skills, and strategies. Enrollment restricted to graduate students. Enrollment limited to 50.

### **266D. Language and Power in Education.**

Examines relationships between sociopolitical struggles and language/language practices. Students study ways in which Marxism, critical theory, and post structuralism have represented links between language and power, and investigate contemporary studies of language and power in education. Enrollment restricted to graduate students. Enrollment limited to 15.

### **269A. First-Year Doctoral Proseminar (2 credits).**

This three-quarter seminar supports professional development for first-year doctoral students. Students develop essential skills for success as scholars, discuss issues in educational research and practice, and are introduced to research by Education Department faculty. Enrollment restricted to graduate students. Enrollment limited to 15.

### **270A. Second-Year Professional Development Seminar (2 credits).**

Three-quarter seminar supports professional development for second-year doctoral students. Activities include preparation of research and conference proposals, presentation of second-year project findings, and attendance at department colloquia. Enrollment restricted to second-year Ph.D. students. Enrollment limited to 12.

### **272. Policy and Reform.**

Examines educational policy and the process of reforming the culture and structure of schooling. Special focus on the cultural, linguistic, and diverse contexts of schooling and on the design and implementation of approaches to educational reform. Enrollment restricted to Ed.D. graduate students. Enrollment limited to 20.

### **275B. Research Seminar in Educational Reform: Qualitative Methods.**

Familiarizes students with the basic concepts of educational research and facilitates progress toward completion of dissertation while identifying faculty and community resources available to assist in research. Enrollment restricted to Ed.D. graduate students. Enrollment limited to 20.

### **275F. Research Seminar in Educational Reform: Supporting Data Collection 277B.**

Familiarizes students with the basic concepts of educational research and facilitates progress toward completion of dissertation while identifying faculty and community resources available to assist in research. Enrollment restricted to Ed.D. graduate students.

### **277B. Data Collection and Fieldwork.**

Data collection in the field is required of all joint Ed.D. students for four quarters in the second year. Students are assigned to a faculty member who supervises data collection, liaises with district mentors, and conducts problem-solving seminars. Enrollment restricted to Ed.D. graduate students. Enrollment limited to 20.

### **284A. Advanced Student Teaching.**

Designed for students who have completed course 283, have extensive field and course experience in education, and who wish to qualify for the single-subject or multiple-subject teaching credential by undertaking a quarter of full-time, supervised student teaching. Enrollment restricted to education graduate students.

### **284B. Advanced Student Teaching.**

Designed for students who have completed course 283, have extensive field and course experience in education, and who wish to qualify for the single-subject or multiple-subject teaching credential by undertaking a quarter of full-time, supervised student teaching. Enrollment restricted to education graduate students.

### **284C. Advanced Student Teaching.**

Designed for students who have completed course 283, have extensive field and course experience in education, and who wish to qualify for the single-subject or multiple-subject teaching credential by undertaking a quarter

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of full-time, supervised student teaching. Enrollment restricted to education graduate students.

### **295. Portfolio Development (2 credits).**

Provides student and faculty adviser with time to confer over the completion of the required portfolio. (Formerly course 285.) Enrollment restricted to graduate students.

## **Electrical Engineering**

### **70. Introduction to Electronic Circuits.**

Introduction to the physical basis and mathematical models of electrical components and circuits. Topics include circuit theorems, constant and sinusoidal inputs, natural and forced response of linear circuits. Introduction to circuit/network design, maximum power transfer, and analog filters. Topics in elementary electronics: diode and transistor devices, linear models, amplifiers, feedback. Nonlinear elements and devices also introduced. Prerequisite(s): Physics 5C/N or 6C/N, and Mathematics 24 or Applied Mathematics and Statistics 27. Students must enroll concurrently in course 70L.

### **70L. Introduction to Electronic Circuits Laboratory (1 credit).**

Laboratory sequence illustrating topics covered in course 70. One two-hour laboratory session per week. Students are billed for a materials fee. Prerequisite(s): Physics 5C/N or 6C/N, and Mathematics 24 or Applied Mathematics and Statistics 27. Students must enroll concurrently in course 70.

### **103. Signals and Systems.**

The course covers the following topics: characterization and analysis of continuous-time signals and linear systems, time domain analysis using convolution, frequency domain analysis using the Fourier series and the Fourier transform, the Laplace transform, transfer functions and block diagrams, continuous-time filters, sampling of continuous time signals, examples of applications to communications and control systems. Prerequisite(s): courses 70 and 70L

### **115. Introduction to Micro-Electro-Mechanical-Systems Design.**

Introduction to Micro-Electro-Mechanical-Systems (MEMS) design. Course begins with overview of MEMS devices and processes that are used to fabricate them. The basic governing equations for MEMS devices in different energy domains (mechanical, electrical, optical, thermal, and fluidic) reviewed, and both analytical and finite element coupled-domain modeling is used to design MEMS devices. Students work in teams to design, lay out, and fabricate MEMS devices and test structures using a standard multi-user process available through a foundry service. A presentation and term paper describing the design and layout will be required. Prerequisite(s): courses 70/L, 135/L, 145/L, Mathematics 19A and 19B, Mathematics 23A and 23B, Applied Mathematics and Statistics 27/L, Physics 5A, 5B, 5C, and 5D. Enrollment limited to 15.

### **123A. Engineering Design Project I.**

First of a two-course sequence that is culmination of the engineering program. Students apply knowledge and skills gained in elective track to complete a major design project. Students complete research, specification, planning, and procurement for a substantial project. Includes technical discussions, design reviews, and formal presentations; engineering design cycle, engineering teams, and professional practices. Formal technical specification of the approved

project is presented to faculty. Prerequisite(s): course 171 or computer engineering 121; previous or concurrent enrollment in computer engineering 185; must have passed core exam if computer engineering major; permission of department and instructor. Students are billed for a materials fee. (Also offered as Computer Engineering 123A. Students cannot receive credit for both courses.)

### **145. Properties of Materials.**

The fundamental electrical, optical, and magnetic properties of materials, with emphasis on metals and semiconductors: chemical bonds, crystal structures, elementary quantum mechanics, energy bands. Electrical and thermal conduction. Optical and magnetic properties. Prerequisite(s): Physics 5A/L, 5B/M, and 5C/N or 6A/L, 6B/M, and 6C/N. Students must also concurrently enroll in course 145L.

### **145L. Properties of Materials Laboratory (1 credit).**

Laboratory sequence illustrating topics covered in course 145. One two-hour laboratory per week. Students are billed for a materials fee. Prerequisite(s): Physics 5A/L, 5B/M, and 5C/N or 6A/L, 6B/M, and 6C/N. Students must also concurrently enroll in course 145.

### **233. Fiber Optics and Integrated Optics.**

Concepts and analysis of optical wave propagation in optical fibers and waveguides. Topics include geometrical optics description and electromagnetic theory of slab waveguides; modes, dispersion, and birefringence in optical fibers; mode coupling and gratings in fibers; wavelength-division multiplexing; nonlinear optics in fibers and solitons; semiconductor optical amplifiers and Er doped fiber amplifiers. Prerequisite(s): courses 135 and 145.

### **251. Principles of Digital Communications.**

A core course on digital communications theory. Provides an introduction to digital communication, including source coding, characterization of communication signals and systems, modulation and demodulation for the additive Gaussian channel, digital signaling, and over bandwidth-constrained linear filter channels and over fading multipath channels. Prerequisite(s): course 151 and 153 (or Computer Engineering 153) and Computer Engineering 107.

### **263. Advanced Topics in Coding Theory.**

Covers convolutional codes and its principles, maximum likelihood decoding and Viterbi decoding, performance evaluation of convolutional codes, trellis coded modulation (TCM), rotationally invariant convolutional codes, turbo codes, turbo decoding principles, performance evaluation of turbo codes, interleaver design for turbo codes, topics on turbo codes, space-time codes, and LDPC. Prerequisite(s): Computer Engineering 251. Enrollment restricted to electrical engineering, computer engineering, and computer science graduate students. Enrollment limited to 10.

## **Environmental Studies**

### **24. General Ecology.**

Covers principles of ecology including limits to species abundances, evolutionary ecology, population dynamics, community interactions and patterns, and ecosystem patterns and dynamics. (General Education Code(s): IN.)

### **80B. The Ecological Forecast for Global Warming.**

A broad overview of the impacts of human activities on the

global climate system. Topics include how climate affects the distribution of ecosystems, the influence of global climate change on biodiversity, ecosystem function, and consequences for the human enterprise. (General Education Code(s): T7-Natural Sciences or Social Sciences.)

### **91F. Community and Agroecology (2 credits).**

Interdisciplinary two-unit seminar designed to introduce students to concepts of community and agroecology in the context of sustainability. Specific topics and readings change each quarter. Enrollment limited to 25. May be repeated for credit.

### **100. Ecology and Society.**

Introduction to environmental issues in an interdisciplinary matrix. Focuses on three issues at the intersection of ecological questions and social institutions: agroecology and sustainable agriculture; population growth, economic growth, and environmental degradation; and biodiversity conservation and land management. Reviews the important roles of disciplinary abstraction and of the application of that knowledge to context-dependent explanation of environmental problems. Prerequisite(s): course 23 or Chemistry 1A or 1B or 15 on Chemistry Placement Exam; course 24 or Biology 20C; course 25; and Applied Mathematics and Statistics 5 or 7. Concurrent enrollment in 100L is required.

### **100L. Ecology and Society Writing Laboratory (2 credits).**

Required writing lab accompanying course 100. Students are introduced to writing in different styles and for different audiences typical of the ecosystem-society interface. Course 100 writing assignments are developed, written, and revised in conjunction with the lab. W credit is granted only upon successful completion of course 100. Prerequisite(s): course 23 or Chemistry 1A or 1B or 15 on Chemistry Placement Exam; course 24 or Biology 20C; course 25; and Applied Mathematics and Statistics 5 or 7. Satisfaction of the Entry Level Writing and Composition requirements. Enrollment limited to 20. (General Education Code(s): W.)

### **115A. Geographic Information Systems and Environmental Applications.**

Introduction to geographic information systems (GIS) as the technology of processing spatial data, including input, storage and retrieval; manipulation and analysis; reporting and interpretation. Emphasizes GIS as a decision support system for environmental and social problem solving, using basic model building, experimental design, and database management. Students cannot receive credit for this course and course 215A. Prerequisite(s): Applied Math and Statistics 5 or 7. Enrollment restricted to environmental studies majors and the combined majors. Course 115L is required. A course in computer science, Earth sciences, mathematics, or geography is recommended. Enrollment limited to 40.

### **115L. Exercises in Geographic Information Systems (2 credits).**

Exercises in Geographic Information Systems and Remote Sensing that demonstrate the development of digital geographic data. Students gain hands-on experience with developing datasets, using imagery to create GIS layers, performing spatial analysis, and utilizing GPS technology. Emphasis placed on environmental applications. Students cannot receive credit for this course and course 215L. Enrollment restricted to environmental studies majors and students majoring in the combined majors with biology,

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Earth sciences, and economics. Concurrent enrollment in course 115A required.

### **130A. Agroecology and Sustainable Agriculture.**

Ecological concepts and principles are applied to the design and management of sustainable agroecosystems. Alternatives for agriculture are discussed in terms of ecosystem structure and function. A weekly three-hour lab is required. Prerequisite(s): course 24 or Biology 20C or consent of instructor; concurrent enrollment in course 130L. Enrollment restricted to environmental studies and biology majors and students in the combined majors with Earth sciences, biology, and economics.

### **130L. Agroecology and Sustainable Agriculture Laboratory (2 credits).**

Laboratory and field exercises to train in the analysis of ecological processes in agricultural systems, with a focus on the quantification of ecological sustainability. Experimental design, analysis, and data interpretation are emphasized. Prerequisite(s): course 24 or Biology 20C; interview required; bring class and work schedule to first class meeting. Enrollment restricted to environmental studies and biology majors and students in the combined majors with Earth sciences, biology, and economics.

### **141. Natural Resource Economics.**

Application of economic analysis to natural resource policy and management. Topics include welfare economics, property rights and externalities, natural resource valuation, exhaustible and renewable resources, and sustainable development. Economics 1 is strongly recommended as preparation. Enrollment restricted to environmental studies majors and biology, Earth sciences, and economics combined majors.

### **160. Restoration Ecology.**

A multidisciplinary overview of restoring degraded ecosystems. Among the topics addressed are linkages between ecological principles and restoration, planning and implementing restoration projects, evaluating restoration success, and case studies of restoration of specific ecosystem types. Participation in one work day is required. Prerequisite(s): course 23 or Chemistry 1A or 1B and course 24 or Biology 20C. Enrollment limited to 40.

### **165. Freshwater Issues and Policy.**

Concepts, vocabulary, and skills necessary to the analysis of freshwater issues are introduced from hydrology, ecology, law, economics, engineering, and other disciplines. The skills are then applied to case studies involving local, state, and international freshwater conflicts and crises. Prerequisite(s): courses 23 and 25. Enrollment restricted to environmental studies majors and biology, Earth sciences, and economics combined majors.

### **191F. Community and Agroecology Seminar (2 credits).**

Interdisciplinary two-unit seminar designed for upper-division students who want to engage in concepts of community and agroecology in the context of sustainability and to develop leadership skills. Specific topics and readings change each quarter. Prerequisite(s): course 91F, 130A, 130B, 133, or equivalent experience. Enrollment limited to 25. May be repeated for credit.

### **201A. Keywords and Concepts.**

Two-quarter course introduces keywords and concepts that underlie interdisciplinary work in environmental studies through lectures, directed readings, and discussion. Modules include resonant concepts in ecology and society;

ecology and evolution; environment and development; the global environment and society; agroecology and conservation biology; and public policy, economics, and law. Final grade for both courses assigned at the end of the second quarter. Enrollment restricted to graduate students.

### **230. Agroecology and Sustainable Agriculture.**

The application of ecological concepts and principles to the design and management of agricultural systems. The long-term goal of sustainable agroecosystems is examined in economic, social, and ecological contexts. Enrollment restricted to environmental studies graduate students.

### **240. Public Policy and Conservation.**

Introduction to political and economic approaches to policy analysis, with particular reference to natural resource scarcity, property rights, and environmental conservation. Case studies apply economic and policy process concepts to the management of public lands, biodiversity, and renewable resources. Enrollment restricted to environmental studies graduate students.

### **290. Interdisciplinary Research Seminar (2 credits).**

Research seminars presented weekly throughout the year by environmental studies and affiliated faculty, by visiting scholars, and by graduate students. Students discuss the content and methodology of research presented following each seminar. Enrollment restricted to graduate students. May be repeated for credit.

### **290L. Graduate Research Seminar (2 credits).**

Graduate student presentations of doctoral research proposals, dissertation work-in-progress, grant applications, and conference papers. This weekly laboratory meeting seeks to develop professional skills, teach constructive criticism, and foster effective discussion among peers. Enrollment restricted to graduate students.

### **292. Topics in Research in Environmental Studies (2 credits).**

Seminar in which students give critically evaluated presentations regarding current research in environmental studies and issues in research design. Students should consult with faculty prior to enrolling. Enrollment restricted to graduate students. May be repeated for credit.

## **Environmental Toxicology**

### **80E. Aquatic Toxicology.**

An introduction to the sources, cycling, and impacts of toxicants in aquatic systems, including acid rain, ground water, fresh water rivers and lakes, estuaries, and the ocean. Emphasis is on the properties of toxic chemicals that influence their biogeochemical cycles and factors that influence their toxicity to aquatic organisms and humans. (General Education Code(s): T2-Natural Sciences, Q.)

### **101. Sources and Fates of Pollutants.**

Presents in-depth important principles of environmental toxicology related to the introduction, transport, and fate of toxicants in aquatic and terrestrial environments, including environmental chemistry and biogeochemical cycles as well as exposure to pathways and uptake by organisms. Additional emphasis placed on susceptibility and effects of toxicants across organ systems, toxicokinetic and biomarkers of exposure, and effects at the ecosystem level. Students cannot receive credit for this course and course 201.

### **201. Sources and Fates of Pollutants.**

Presents in-depth important principles of environmental toxicology related to the introduction, transport, and fate

of toxicants in aquatic and terrestrial environments including environmental chemistry and biogeochemical cycles as well as exposure pathways and uptake by organisms. Additional emphasis will be placed on the susceptibility and effects of toxicants across organ systems, toxicokinetics and biomarkers of exposure, and effects at the ecosystem level. Students cannot receive credit for this course and course 101. Enrollment restricted to graduate students; qualified undergraduate science majors may enroll with permission of instructor.

### **281C. Topics in Environmental Microbiology (2 credits).**

Seminar and discussion focusing on mechanism of microbial transformation of metals. Participants present results from their research projects in a seminar format. Relevant journal articles presented and discussed. Enrollment restricted to graduate students; qualified undergraduates may enroll with instructor's permission.

### **281F. Topics in Aquatic Toxicology.**

Analyses of the sources and fates of aquatic pollutants. Discussions on processes at the air-water interface, within the water column, and in aquatic sediments. Topics vary from year to year. Enrollment restricted to graduate students; qualified upper-division science majors may enroll with instructor's permission. May be repeated for credit.

### **281O. Topics in Bacterial Pathogenesis (2 credits).**

Intensive seminar focusing on mechanisms of bacterial pathogenesis of the ulcer-causing bacterium *Helicobacter pylori*. Participants are required to present results from their own research and relevant journal articles. (Also offered as Biology 280O. Students cannot receive credit for both courses.) Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. Enrollment limited to 20. May be repeated for credit.

### **281S. Cellular and Organismal Responses to Toxicants.**

Intensive research seminar on the concepts, theory, and techniques in deriving physiologically based pharmacokinetic models of toxin exposure, metabolism, and efficacy of therapeutic treatment in mammalian models of human metal toxicity. Enrollment restricted to graduate students; qualified undergraduates may enroll with permission of instructor. May be repeated for credit.

### **281Y. Biofilms: Processes and Regulation (2 credits).**

Intensive seminar series focusing on the most current work on genes and the processes that regulate biofilm development dynamics as well as on the recent developments on visualization of biofilms. Presentation and discussion based. Enrollment restricted to graduate students. Qualified undergraduate students may enroll with instructor's permission. May be repeated for credit.

### **292. Introductory Graduate Seminar (no credit).**

Weekly seminars by academic and research faculty on their areas of special interest. Students write weekly abstracts on articles covered by the seminars. Enrollment restricted to graduate students; qualified undergraduates may enroll with instructor's permission.

## **Feminist Studies**

### **1. Introduction to Feminisms.**

Core course for feminist studies. Introduces a gendered

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analysis of philosophical, scientific, historical, economic, political, and cultural issues from feminist perspectives, emphasizing complexities of globalization, class, race, ethnicity, and sexuality. (Formerly course 1A.) (General Education Code(s): IH.)

### **112. Women and the Law.**

Interdisciplinary approach to study of law in its relation to category “women” and production of gender. Considers various materials including critical race theory, domestic case law and international instruments, representations of law, and writings by and on behalf of women living under different forms of legal control. Examines how law structures rights, offers protections, produces hierarchies, and sexualizes power relations in both public and intimate life. (Also offered as Politics 112. Students cannot receive credit for both courses.) Enrollment restricted to feminist studies, politics, legal studies, and Latin American and Latino studies/politics combined majors during priority enrollment only.

### **123. Feminism and Cultural Production.**

Explores relationship between feminism and culture. Topics will vary and include different forms of cultural productions such as film and literature. Regional/national focus will also vary. (Formerly course 80J.) Prerequisite(s): course 1, 1A, or 1B. Enrollment restricted to sophomores, juniors, and seniors. Enrollment limited to 80. May be repeated for credit. (General Education Code(s): A, E.)

### **194G. Images of Africa.**

Explores questions of colonialism, empire, race, gender, and geopolitics in the proliferating images—filmic, televisual, and media—of Africa in the United States. Facilitates the completion of a substantial research essay based on the study of popular culture. Satisfies senior comprehensive requirement for majors. Enrollment restricted to seniors. Prerequisite(s): course 100; enrollment by permission of instructor. Enrollment limited to 20.

### **196. Feminist Methods of Teaching.**

Practicum for undergraduates assisting in the teaching of course 1A, *Introduction to Feminisms*, to conduct sections and evaluate student papers. A weekly seminar considers issues relating to experiential and critical thinking, authority in the classroom, effective facilitation of group process, racial diversity, violence against women. Prerequisite(s): interview with instructor the quarter before course is offered and course 1A or 1B. Students must be upper-division and have a background in feminist studies and/or ethnic studies. (Formerly Women’s Studies 196.) Enrollment limited to 25.

### **225A. Theories of Slavery.**

Explores philosophical, legal, and socio-historical analyses of slavery. Focus on Atlantic slavery and the production of race and gender formations, complemented by discussion on contemporary forms of slavery. Impact of historical slavery on prevailing discourses and institutions. (Also offered as History of Consciousness 205A. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 15.

## **Film and Digital Media**

### **20A. The Film Experience.**

An introduction to the basic elements, range, and diversity of cinematic representation and expression. Aesthetic, theoretical, and critical issues are explored in the context of class screenings and critical readings. Students are

billed for a course fee. Enrollment restricted to first-year students, sophomores, and juniors. (General Education Code(s): IH, A.)

### **20C. Introduction to Digital Media.**

Introduces fundamental features of digital media and examines the immense visual, social, and psychological impact of the “digital revolution” on our culture. Topics include the concepts and forms of the digital hypertext interface, Internet, and web, and the impact of digital media on conceptions of the self, body, identity, and community. Students are billed for a course fee. Enrollment restricted to first-year students, sophomores, and juniors. (General Education Code(s): IH, A.)

### **20P. Introduction to Production Technique.**

Introduction to production process with emphasis on low-budget, independent film and video making. Explores conceptualization, planning, shooting, editing of documentary, personal essay, and feature narrative works. Emphasis on visualization and shooting style, and scriptwriting, but not hands-on editing. Open to students of varied backgrounds and goals. Students are billed for a course fee. (General Education Code(s): A.)

### **120. Introduction to Film Theory and Criticism.**

An introduction to classical and contemporary film theory and those theoretical paradigms and methods that have illuminated the media: formalism, realism, structuralism, semiotics, psychoanalysis, Marxism, feminism, and issues of identity and difference. Students are billed for a course fee. Prerequisite(s): course 20A, satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows. (General Education Code(s): W.)

### **134A. American Film, 1930–1960.**

A survey of American narrative cinema from 1930 to 1960. Examines developments in film style, film technology, and the film industry in relation to American cultural history. Students are billed for a course fee. Prerequisite(s): course 20A or 20B. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows. Offered in alternate academic years.

### **150. Screenwriting.**

Problems in writing for film and television are explored through the writing of original material and analysis of existing works. Various film genres, conventions, and styles, both fictional and nonfictional, are examined. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Admission by application process which may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly Schedule of Classes for application dates and other application instructions that may apply. May be repeated for credit. (General Education Code(s): W.)

### **160. Film Genres.**

Concentrated study of one cinematic grouping: animated films, experimental films, a national cinema, adaptations, films with similar themes and narrative structures (e.g., westerns, musicals, science fiction). History, theory, and criticism of the genre are covered. Students are billed for a course fee. Prerequisite(s): courses 134A or 134B. Enrollment restricted to film and digital media majors during priority enrollment; may be opened if space allows. May be repeated for credit. (General Education Code(s): A.)

### **161. Documentary Film and Video.**

Explores the category of nonfiction through a historical and theoretical study of documentary in film and video. Addresses ethnographic film, Soviet and Griersonian documentary, cinema vérité and/or other selected documentary texts and the issues of representation they raise. Students are billed for a course fee. Prerequisite(s): course 20A or 20B. Offered in alternate academic years.

### **170A. Introduction to Digital Media Production.**

Introduction to the conceptual and technical fundamentals of making digital media. Covers principles of digital image manipulation, basic web authoring, and interface design through projects that introduce production techniques and methods. Students are billed for a materials fee. Prerequisite(s): courses 20A and 20C. Enrollment restricted to film and digital media majors. Permission of instructor required. Admission by application process which may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly Schedule of Classes for application dates and other application instructions that may apply. Enrollment limited to 20. (General Education Code(s): A.)

### **170B. Fundamentals of Film and Video Production.**

An introduction to the art and craft of making films and videos. Covers principles of cinematography, videography, editing, production planning, and lighting involving both production and techniques and methods. Students are billed for a materials fee. Prerequisite(s): course 20A or 20B and one other film/video and digital media critical studies or history course required. Completion of additional upper-division film and digital media critical studies or history courses improves students’ ability to be admitted to this course. Admission by application and entrance essay. Application process may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly Schedule of Classes for application dates and other application instructions that may apply. Enrollment limited to 25. (General Education Code(s): A.)

### **172. Film and Video Studio.**

Intermediate workshop in film and video production. Topics include cinematography, sound, and non-linear digital editing techniques. Each student is responsible for the completion of a short project utilizing 16mm film or video. Students must bear the cost of materials and are billed for a materials fee. Prerequisite(s): priority given to students who have been accepted into the production concentration. Admission is by application process which may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly Schedule of Classes for application dates and other application instructions that may apply. Students who are not in the production concentration and who have completed course 170A or 170B may apply by submitting an application and sample of production work at first class meeting; these applications will be considered on a space-available basis. Enrollment limited to 25.

### **175. Documentary Video Workshop.**

Workshop in documentary video production, development of critical standards, ethical issues, and technical methods. Each student is responsible for the completion of short documentaries from assignments. Students must

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bear the cost of materials and are billed for a materials fee. Prerequisite(s): priority given to students who have been accepted into the production concentration. Admission is by application process which may begin prior to the start of the quarter; application materials generally available final week of preceding quarter. See the enrollment conditions section in the quarterly Schedule of Classes for application dates and other application instructions that may apply. Students who are not in the production concentration and who have completed course 170A or 170B may apply by submitting an application and sample of production work at first class meeting; applications will be considered on a space-available basis. Enrollment limited to 25.

### **178A. Personal Computers in Film and Video.**

Introduction to the specific applications of computers for film and video. By using computer-generated, enhanced and imported graphics, animation, text, sound, and moving video, students create still and time-based works in a computer environment. Prerequisite(s): course 170B; priority given to students who have been accepted into the production concentration. Admission is by application process which may begin prior to start of quarter; application materials generally available final week of preceding quarter. See enrollment conditions section in quarterly Schedule of Classes for application dates and other application instructions that may apply. Students who are not in the production concentration and who have completed course 170B may apply by submitting an application and sample of production work at first class meeting; these applications will be considered on a space-available basis. Enrollment limited to 20.

### **194A. Film Theory Seminar.**

Advanced senior seminar examining classical and contemporary film theory and those theoretical paradigms and methods that have illuminated the medium: formalism, realism, structuralism, semiology, psychoanalysis, Marxism, feminism, and phenomenology. Primary texts are read. Students are billed for a course fee. Prerequisite(s): course 120. Enrollment restricted to senior film and digital media majors. Enrollment limited to 20.

### **194S. Special Topics Seminar.**

Intensive research and writing on a changing topic chosen to demonstrate critical mastery in a specific area of film and digital media studies, for example, film adaptations and their literary sources, documentary/reality shows, or networked new media texts. Prerequisite(s): course 120. Enrollment restricted to senior film and digital media majors. Enrollment limited to 20. May be repeated for credit.

## **French**

### **1. Instruction in the French Language.**

Introduction to French language and culture with practice in all four language skills: listening, speaking, reading, and writing. Intended for students with no previous study of French.

### **2. Instruction in the French Language.**

Further development of cultural competence and basic French language skills, both written and spoken. Students learn past tenses in this course. Prerequisite(s): course 1; or placement by interview.

### **3. Instruction in the French Language.**

Final quarter of first-year sequence. Students complete study of French language basics, including the future tense and the conditional and the subjunctive mood, while con-

tinuing to learn about French and Francophone cultures. Prerequisite(s): course 2; or placement by interview.

### **4. Intermediate French.**

First course in intermediate sequence. Students review and expand upon their previous study of the language through short literary readings, vocabulary building, grammar study, composition, and discussions. Prerequisite(s): course 3; or placement by interview. (General Education Code(s): IH.)

### **5. Intermediate French.**

Further development of intermediate-level oral and written skills through study of vocabulary and structures. Students also read and discuss a French or Francophone play. Prerequisite(s): course 4; or placement by interview. (General Education Code(s): IH.)

### **6. Intermediate French.**

Final course of intermediate sequence includes grammar study, vocabulary building, extensive writing, and discussion. Reading of a French or Francophone novel is an integral part of course. Prerequisite(s): course 5; or placement by interview. (General Education Code(s): IH.)

### **13F. Oral Fluency Through Cultural Study (2 credits).**

A course for any student beyond level 3, developing oral fluency through discussion in cultural studies, covering a variety of topics. Listening comprehension and speaking are emphasized through exploration of situations common to France and francophone countries. May be offered more than once per year. Prerequisite(s): course 3. Students not having had French 3 at UCSC need to speak to a UCSC French lecturer. Enrollment limited to 25. May be repeated for credit.

### **114. French Phonetics.**

Contrastive analysis of French and English sound systems and their practical application. Intensive conversation. Language laboratory. Prerequisite(s): course 6. Enrollment limited to 20.

## **German**

### **1. Instruction in the German Language.**

Teaches beginning-level competence in speaking, reading, writing, and listening comprehension. Elementary sequence (1-2-3) starts in fall quarter only. (An accelerated sequence, course 1A-1B, begins winter quarter.) Not all levels are available each quarter. Check the quarterly Schedule of Classes for exact quarter(s) of offering.

### **4. Intermediate Studies in German Language.**

Intermediate composition and conversation based on the reading of selected prose and related cultural material. Speaking, reading, writing, and listening comprehension skills are developed by extensive use of media materials. Conducted entirely in German. Not all levels are available each quarter. Check the quarterly Schedule of Classes for the exact quarter(s) of offering. Prerequisite(s): course 1B or 3; or placement by examination. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. (General Education Code(s): IH.)

## **Greek**

### **1. Elementary Ancient Greek.**

Instruction in the grammar of Attic Greek, together with readings, mostly in Plato, designed to prepare for the study of classical literature. The sequence begins in the fall quarter only.

## **Hebrew**

### **1. Instruction in the Hebrew Language.**

Speaking, listening comprehension, reading, and writing fundamentals. The use of Modern Hebrew is encouraged through classroom practice supplemented by language laboratory work. Elementary sequence (1-2-3) begins in fall quarter only.

### **4. Intermediate Hebrew.**

Development of the students' familiarity with the spoken and written language through grammar review, discussions, and vocabulary building. Varied readings on literary and cultural topics related to modern Israel. Prerequisite(s): course 3. Students interested in this course who have not taken the prerequisite should meet with the instructor prior to the first class meeting. (General Education Code(s): IH.)

## **History**

### **10B. United States History 1877 to Present.**

A survey of the political, social, and cultural history of the U.S. from 1877 to the present. (Formerly course 25B.) Satisfies American History and Institutions Requirement. (General Education Code(s): IH.)

### **11B. Latin American History: National Period.**

An introduction to the study of Latin American history from the Independence Wars in the early 19th century to the 20th century. Topics include changing economic models of development, U.S. role, rural and urban life, women, nationalisms, populism, revolution, the military in politics, and the problem of democracy. (Formerly course 34B.) (General Education Code(s): IH, E.)

### **40. The Making of Modern East Asia.**

A broad introductory survey of the political, social, economic, philosophical, and religious heritage of modern China, Japan, and Korea. Emphasis on the historical foundations of modern nationalism, the colonial experience, and revolutionary movements. (General Education Code(s): IH, E.)

### **65A. Medieval Europe: 200–1000.**

A survey of Europe from the fourth through tenth centuries. Emphasizes cultural conflict and assimilation (Roman and Germanic, pagan and Christian, East and West). Topics include the rise of Christianity, barbarian migrations, Byzantium and Islam, the origins of feudal society, the cult of saints and relics, Vikings, and gender roles. (Formerly Medieval Europe: 300–1000.) (Formerly course 33.) (General Education Code(s): IH.)

### **74. Introduction to Modern Jewish History.**

Examines major turning points in Jewish history from the 17th century through the 20th: the challenge of modernity, the rise of political anti-Semitism, the migration of European Jews to America, the nearly total destruction of European Jewry in the 20th century, and the origins and development of the conflict between Israel and its Arab neighbors. (Formerly course 46.) (General Education Code(s): E.)

### **80K. Spies: History and Culture of Espionage.**

Examines the "golden age" of espionage during the 1930s, the Second World War, and the Cold War with emphasis on the relationship between intelligence and resistance movements in wartime, the importance of code breaking, and the links in certain notorious cases between espionage and treason. (General Education Code(s): T4-Humanities and Arts.)

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### **103. Medieval Spain, 600–1500.**

History of the Iberian peninsula and Northwest Africa from the Visigoths to the establishment of Castilian hegemony. Political and economic history for the basis, with special attention paid to religio-social history, particularly the interrelation between the peninsula's ethno-confessional groups. Prerequisite(s): one history course; course 65A (formerly course 33) and/or course 65B recommended.

### **107. Comparative British & American Social Movements.**

A comparative examination of five social movements that appeared in both Britain and the United States in the 19th century. Course examines the features of social movements and study themes and strategies that are shared by social movements in order to understand whether comparative history is helpful or not.

### **110E. What Is a Nation? The U.S. from 1877 to 1914.**

History of the U.S. during what was perhaps its most socially turbulent era, the period right after Reconstruction to the First World War. What did it mean to be a nation in the post-Civil War era? How did a country that had only recently unified itself under one system of labor now resolve the question of national identity? Was America truly a nation by 1914? (Formerly course 117A.)

### **115B. U.S. Labor History, 1919 to the Present.**

Explores the history of work, working-class people, and the labor movement in the U.S. in global perspective with attention to race and gender dynamics and political-economic changes. (Formerly course 104B.) Satisfies American History and Institutions Requirement.

### **121A. African American History to 1877.**

A survey of pre-contact Africa, indigenous social structures, class relations, the encounter with Europe, forced migration, seasoning, resistance, Africa's gift to America, slavery and its opponents, industrialization, emigration vs. assimilation, stratification, Convention Movement, Black feminism, Civil War, and Reconstruction. (Formerly course 143A.) (General Education Code(s): E.)

### **134B. History of Mexico, 1850 to Present.**

Social, cultural, economic, and political history from the triumph of Liberalism to the present day, focusing on four key periods: the dictatorship of Porfirio Diaz (1900–1910), the armed phase of the Revolution (1910–1920), the consolidation of revolutionary programs and a “single-party democracy” (1920–1940), and the developmentalist counter-revolution since 1940. Provides background for understanding the Mexican diaspora to the U.S. (Formerly course 175B.) (General Education Code(s): E.)

### **140B. History of Qing China, 1644–1911.**

Introduces students to how Qing China arose, expanded, and struggled to enter the modern world. Focuses on what the Qing empire had in common with other agrarian empires across Eurasia, commercialization and communication networks, elite mobility and peasant revolts, political legitimacy of the alien rule, maintaining social order (such as merchants' control and gender segregation), massive population growth and internal migration, as well as its conflicts with the industrial West. (Formerly course 150B.)

### **150A. Ancient Japan.**

Surveys the history of the peoples of the Japanese islands from prehistorical migrations to the middle of the

15th century. Emphases include examination of social structures, political formations, cultural production, and religion. (Formerly course 159A.)

### **161B. Topics in Roman History.**

Detailed consideration of some specific topic or period in Roman history, varying from year to year. Examples include Roman religion, Augustus and the Roman Empire, Julio-Claudian emperors and the principate, Roman slavery, and Christianity and Rome. (Formerly course 107.) Enrollment restricted to history and classical studies majors or permission of instructor. May be repeated for credit.

### **167. Imperial Spain 1469–1716.**

Provides general survey of the history of Spain from Catholic Monarchs to the 18th century focusing on the union of the Crowns of Castile and Aragon, the idea of America, the rise and fall of the Spanish Empire, the Catholic Reformation and Enlightenment, and internal transformations of the Spanish economy and society. (Formerly course 166.)

### **171. Revolution in France.**

Examines the great political upheavals of 1789, 1830, and 1848 in light of the other sweeping changes brought to 19th-century France by those other great “revolutions” of the age, the industrial and the democratic. (Formerly course 124.) Offered in alternate academic years.

### **178D. Russian Intellectual History.**

Focus on the emergence in 19th-century Russia of a westernized intelligentsia; its effort both to assimilate western ideas and to define the destinies of Russia; the shaping of the Russian revolutionary movement. Readings in Dostoyevsky, Turgenev, Herzen, and representative Russian Slavophiles, Populists, and Nihilists. (Formerly course 123.)

### **185A. Conflict of Interest: War, Holocaust, and Industry in the Lodz Ghetto.**

Examines how Nazi war machine exploited Jewish slave labor in the Lodz ghetto industrial complex while a state apparatus systematically exterminated the workers. Includes a visit from a survivor of ghetto factories and graphics from ghetto workshops. (Formerly course 165.) Enrollment restricted to juniors and seniors. (General Education Code(s): E.)

### **190F. Research Seminar in the Americas.**

Students learn how to conduct research and write history. Primary and secondary sources are extensively read. Research sources include a rich array of government documents, newspapers, memories and diaries, visual material and film. (Formerly course 194C.) Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, two upper-division history courses, or permission of instructor. Enrollment restricted to junior and senior history, German studies, and classical studies majors Enrollment limited to 20. (General Education Code(s): W.)

### **194G. China Since the Cultural Revolution: Histories of the Present.**

Analyzes tensions leading to the Cultural Revolution, the construction of collective historical memory, social changes during the post-Mao reforms, the development and suppression of the 1989 demonstrations, and contemporary debates about nation and globalization. (Formerly course 194U.) Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, two up-

per-division history courses, or permission of instructor. Enrollment restricted to junior and senior history, German studies, and classical studies majors. Enrollment limited to 20. (General Education Code(s): W, E.)

### **196S. Special Topics in Ancient History.**

Seminar focuses on different topics in ancient history. In addition to assigned readings, the student is expected to do additional research that culminates in a 20-page paper on a topic of the student's choice. General topics for the course will vary from year to year. (Formerly course 194E.) Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, two upper-division history courses, or permission of instructor. Enrollment restricted to junior and senior history, German studies, and classical studies majors. Enrollment limited to 20. (General Education Code(s): W.)

### **200. Methods and Theories of History.**

An overview of theories, methods, and philosophies concerning the nature and production of history. Topics vary with instructor. (Formerly course 201.) Enrollment restricted to graduate history students and others by permission of instructor. Enrollment limited to 20.

### **204A. History of Gender Research Seminar.**

Introduction to theories and methods employed in gendered historical research. Readings are drawn from a range of chronological, national, and thematic fields and explore the intersection of gender analysis with questions of the body and sexuality, modernity, colonialism, race and ethnicity, constructed space, and production/consumption. (Formerly course 222.) Enrollment restricted to graduate history majors. Enrollment limited to 15.

### **230C. Readings in 20th-Century China.**

A survey of major Western-language works and historiographical controversies in Chinese history from 1900 to the present. Weekly readings emphasize particular social and political movements as well as long-term changes in urban and rural society. (Formerly course 203.) Enrollment restricted to graduate students. Enrollment limited to 20.

### **280A. History Graduate Proseminar: Teaching Pedagogy (2 credits).**

Devoted to professionalism and socialization of history graduate students. Includes formal and informal meetings with faculty and other graduate students. Topics include TAsHips, designing course syllabi, pedagogy, teaching technologies, and teaching in different venues. (Formerly course 290A.) This course is required for first-year students; however, it is open to all other history graduate students as needed. Enrollment restricted to graduate history majors. May be repeated for credit.

## **History of Art and Visual Culture**

### **10G. Europe.**

An introduction to the European tradition in visual culture, from antiquity to the present, but not in chronological order. All media, including the fine arts, architecture, film, video, and installation and performance work are incorporated. Presents the major visual regimes of representation while it probes the meanings and limits of Europe and the European tradition in the context of the visual. (General Education Code(s): IH, A.)

### **80A. Introduction to Architecture.**

Introduction to elements, technology, concepts, and semiotics of architecture in its buildings, functions, environ-

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ments, societies, and history. (General Education Code(s): T5-Humanities and Arts or Social Sciences, A.)

### **110B. *The Andes.***

The art of selected pre-Hispanic cultures of Colombia, Ecuador, Peru, and Bolivia including the Nazca, Moche, Chimu, and Inca. (Also offered as Latin American and Latino Studies 110B. Students cannot receive credit for both courses.) (General Education Code(s): A.)

### **114. *Buddhist Visual Worlds.***

Introduction to the study of Buddhist visual traditions, from their beginnings to the present day. Case studies examined with careful attention to historical, social and cultural contexts; particular emphasis on the relation of visual traditions to Buddhist practices. Enrollment restricted to sophomore, junior, and senior students. (General Education Code(s): A.)

### **159B. *Chinese Landscape Painting.***

Examines the history and significance of the subjects most prominent in Chinese painting during the past one thousand years, focusing on the cultural factors that made landscape a fundamental value in the Chinese tradition and the methods whereby painters created pictorial equivalents. Enrollment limited to 35. (General Education Code(s): A.)

### **185C. *African Architecture.***

Study of the built environment in Africa. Focusing in depth on 10 major architectural forms or sites, this course explores the diversity of architectural types and how gender, politics, religion, and culture shape and are shaped by architectural spaces. Enrollment limited to 35. (General Education Code(s): A, E.)

### **190C. *Subalternatives: Representing Others.***

Explores how visual representation (in fine art, popular art, film, and television) encodes difference in selected cultural and historical contexts. Considers (post)colonial image-making both as a strategy of domination as well as resistance. This course can be taken for senior exit credit only by permission of the instructor. Enrollment restricted to juniors and seniors. Enrollment limited to 22. (General Education Code(s): A, E.)

### **190P. *Death and Patriotism: The Case of the French Revolution.***

What are the relations between the mortal body and politics in times of crisis? What purposes can death, or the threat of death, serve? Examines representations of executions, assassinations, and funerals during the French Revolution, with an emphasis on the Terror. Enrollment limited to 18. (General Education Code(s): A.)

### **190S. *Semiotics and Visual Culture.***

How can visual culture be understood as the production, circulation, and recirculation of signs? This course offers a history of semiotics and its methodological application in the analysis of images in popular culture and within the discipline of art history. This course can be taken for senior exit credit only by permission of the instructor. Enrollment restricted to junior and senior students. Enrollment limited to 18. (General Education Code(s): A.)

### **191C. *Iconoclasm.***

What happens when, to control an object, it is destroyed? Examines destruction of art as a way of ending the object's life cycle, as a device of social tension/change, and as a colonial and post-colonial mechanism of religious/political control. (Formerly Iconoclasm in Africa.) Prerequisite(s): course 10E or permission of instructor. Enrollment re-

stricted to sophomores, juniors, and seniors. Enrollment limited to 18. (General Education Code(s): A, E.)

## **History of Consciousness**

### **80I. *Human Rights, Human Wrongs: A Clinical Transnational Approach.***

Examines how "human rights" travel transnationally through laws, images, and institutions, and critically interrogates the role of "rights" in such issues as development, immigration, nationality, racial and sexual discrimination, and definitions of "torture" in the current "war on terror." (General Education Code(s): T5-Humanities and Arts or Social Sciences.)

### **80M. *Imagining Popular Culture.***

Focuses on representations of race, class, and gender in contemporary popular culture images, particularly film and television. Attendance is required at both lectures and screenings. (General Education Code(s): T4-Humanities and Arts.)

### **203. *Approaches to History of Consciousness.***

An introduction to history of consciousness required of all incoming students. The seminar concentrates on theory, methods, and research techniques. Major interpretive approaches drawn from cultural and political analysis are discussed in their application to specific problems in the history of consciousness. Prerequisite(s): first-year standing in the program. See the department office for more information.

### **205A. *Theories of Slavery.***

Explores philosophical, legal, and socio-historical analyses of slavery. Focus on Atlantic slavery and the production of race and gender formations, complemented by discussion on contemporary forms of slavery. Impact of historical slavery on prevailing discourses and institutions. (Also offered as Feminist Studies 225A. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 15.

### **207. *Theory of the Text.***

An introduction to contemporary theories of textual interpretation: anthropological, linguistic, historical, literary, semiotic, and philosophical. Consideration of different kinds of texts and ways of reading them: from dream reports, folktales, and myths, through musical scores, monuments, rituals, games, and codes, to poems, novels, and political tracts. Enrollment restricted to graduate students. Enrollment limited to 15. May be repeated for credit.

### **213A. *Representation.***

An introduction to contemporary theories including semiotics, psychoanalysis, poststructuralism, and the feminist critique of representation. Emphasis on questions of difference and the construction of the subject in culture. Enrollment restricted to graduate students. Enrollment limited to 15. May be repeated for credit.

### **223. *Recent European Philosophy.***

Seminar on recent developments in European philosophy, with particular attention to German theorists such as Nietzsche, Heidegger, Gadamer, Horkheimer, Adorno, or Habermas. Theorists such as Sartre, Merleau-Ponty, Derrida, Foucault, Bourdieu, Levinas, Laclau, or Vattimo may be read as well. (Also offered as Philosophy 223. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 15. Offered in alternate academic years. May be repeated for credit.

### **230A. *Racism and Imperialism.***

Study of the role of "race" and racism in theories and practices of modern imperialism. Investigates intersections among discourses of "race," nationhood, gender, and economic exploitation on a world scale; relations between culture, ideology, and political economy in the context of global capitalism. Course 230B continues with further readings on selected topics from 230A, with some intensive writing. Enrollment restricted to graduate students. Enrollment limited to 15. May be repeated for credit.

### **240. *Basic Principles of University-Level Pedagogy (1 credit).***

Provides training for graduate students in university-level pedagogy in general. Under the supervision of the department chair, coordinated by a graduate student with substantial experience as a teaching assistant. Enrollment restricted to graduate students. May be repeated for credit.

### **247. *Performance/Performativities.***

Performance acts and theories of performativity in visual culture from modernity to present. Major theoretical positions subtending the emergence of performances/performativities: subjectivity, identity, temporality, media, ritual, the event, the body and embodiment, collaboration, and politics. (Also offered as Digital Arts and New Media 247. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Qualified seniors accepted with permission of instructor. Enrollment limited to 15.

## **Hindi**

### **1. *Elementary Hindi.***

An in-depth introduction to modern Hindi including the Devanagari script. Through a combination of graded text, written assignments, audiovisual material and computer-based exercises, provides cultural insights and increases proficiency in understanding, speaking, reading and writing Hindi. Emphasis on spontaneous self-expression.

### **4. *Intermediate Hindi.***

Continuation and completion of in-depth introductory sequence in modern Hindi including Devanagari script. Through combination of graded text, written assignments, audiovisual material, and computer-based exercises, provides cultural insights and increases proficiency in understanding, speaking, reading, and writing Hindi. Emphasis on spontaneous self-expression. Prerequisite(s): course 3 or equivalent; familiarity with Devanagari script. Enrollment limited to 25. (General Education Code(s): IH.)

## **Information Systems Management**

### **50. *Business Information Systems.***

Addresses the use of information systems (IS) within a business enterprise. Subjects include computer hardware and software concepts, system design and implementation, telecommunications, data management, transaction-based systems, management information systems, and the use of IS to compete. Intended for information system management and business management economics majors.

### **101. *Management of Technology Seminar (2 credits).***

Uses weekly talks by leading industry practitioners and university researchers to provide in-depth exposure to the management of technology. Topics covered include product development, operations, strategy, finance, and marketing for technologies such as software and information systems. May be repeated for credit.

**105. Management of Technology I.**

An in-depth examination of technological, strategic, marketing, and financial methods and analytical tools for the management of technology to enable cost-effective and rapid development of profitable and high quality technologies. Includes case studies and a comprehensive project. Students who receive credit for this course cannot also receive credit for course 80A; students who receive credit for course 205 cannot also receive credit for this course. Prerequisite(s): Mathematics 19B or 11B or Engineering 11B or Economics 11B.

**205. Management of Technology II.**

Addresses technological, strategic, marketing, financial methods, and analytical tools for management of technology in an integrated manner that enables the cost-effective and rapid development of profitable and high-quality technologies. Includes case studies and a comprehensive project. Students cannot receive credit for this course and either course 80A or 105. Enrollment restricted to juniors, seniors, and graduate students.

**206. Optimization Theory and Applications.**

A first graduate course in optimization with an emphasis on problems arising in management and engineering applications. Objectives are to become experts in problem formulation, comfortable with software for solving these problems, and familiar with analytical methods behind these solver technologies. Prerequisite(s): calculus and linear algebra. Enrollment restricted to graduate students.

**Italian**

**1. Instruction in the Italian Language.**

Aural comprehension, speaking, reading, writing, and laboratory. Check the quarterly Schedule of Classes for exact quarter(s) of offering. Elementary sequence (1-2-3) begins in fall quarter.

**4. Intermediate Italian.**

Short stories, articles, films, and newsclips are used as the basis for studying intermediate-level conversation and composition. Laboratory assignments involve use of the World Wide Web, conversations with native speakers, films and video clips. Students interested in this course who have not taken the prerequisite at UCSC should meet with the instructor, preferably prior to the first class meeting, and take the placement examination. Prerequisite(s): course 1B or 3, or placement by examination. Enrollment limited to 25. (General Education Code(s): IH.)

**Japanese**

**1. Instruction in the Japanese Language.**

Goal is to understand and apply basic rules of grammar and the sociolinguistic rules of the language needed to carry out various, simple tasks; to learn to read and write hiragana, katakana, and 40 kanji. (Formerly Elementary Japanese.)

**4. Intermediate Japanese.**

Goal is to understand and apply additional rules of grammar and the sociolinguistic rules of the language needed to carry out various tasks; to further develop skills in reading and writing; to learn to read and write 70 additional kanji. Prerequisite(s): course 3; or placement by examination. (General Education Code(s): IH.)

**50. Preadvanced Japanese.**

Intensive work in Japanese grammar to strengthen grammatical correctness and excellence of expression. A comprehensive textbook and drill book cover a wide range

of styles and topics. Course is prerequisite to upper-division Japanese language courses. Prerequisite(s): course 6. Students interested in this course who have not taken the prerequisite should meet with the instructor, preferably prior to the first class meeting. Enrollment limited to 20. (General Education Code(s): IH.)

**Latin**

**1. Elementary Latin.**

Instruction in Latin grammar, together with readings in various authors, designed to prepare for the study of classical literature. The sequence begins in the fall quarter only.

**Latin American and Latino Studies**

**1. Introduction to Latin American and Latino Studies.**

Basic interdisciplinary introduction required of all majors and minors. Presents basic elements for studying the Latin American culture, society, economy, polity, and Latino communities in the U.S. Special attention is paid to issues of race, gender, and class, to the changing situation of the Americas within the world economy, and to the efforts of Latin America's peoples and Latinos in the U.S. to take control of their own destinies. Discussion sections are mandatory. (General Education Code(s): IS, E.)

**80B. Social Movements in Latin America.**

Examines contemporary social movements in Latin America. What is the nature of the popular response to different forms of social exclusion and to authoritarian political systems? Explores a variety of popular movements, their successes and setbacks, including rural and urban uprisings, native nations and their descendants, women, African descendants, labor, environmental and grassroots movements. Enrollment limited to 25. (General Education Code(s): T3-Social Sciences, E.)

**80D. Political Change in Mexico.**

Reviews broad trends in contemporary Mexican politics against the backdrop of long-term historical, social, and economic change throughout the 20th century, analyzing how power is both wielded from above and created from below. The course covers national politics, grassroots movements for social change and democratization, environmental challenges, guerrilla movements, the media, and the politics of immigration and North American integration. (General Education Code(s): T3-Social Sciences, E.)

**80Q. Musica Latina.**

Surveys various musical forms and styles that have developed in Mexico and their influence on music today in Mexico and the U.S. Discusses concept of hybridity and grapples with it as a central issue in the evolution of Mexican music. Addresses migration of music, which not only contributes to its distribution but also the evolution of the musical practices of Mexican forms, styles and genres. (General Education Code(s): T3-Social Sciences, E.)

**81A. Mexican Folklorico Dance (2 credits).**

Provides instruction in the aesthetic, cultural, and historical dimensions of Mexican folklorico dance. Students taught choreographed dances from various regions of Mexico and also learn dance techniques (técnica) and stage make-up application. Additional workshops and lectures offered to supplement class. Open to all students; no previous experience required. (Formerly Latin American and Latino Studies 129F, Mexican Folkloric Dance.) (Also

offered as Anthropology 81A. Students cannot receive credit for both courses.) May be repeated for credit. (General Education Code(s): A.)

**110B. The Andes.**

The art of selected pre-Hispanic cultures of Colombia, Ecuador, Peru, and Bolivia including the Nazca, Moche, Chimu, and Inca. (Also offered as History of Art and Visual Culture 110B. Students cannot receive credit for both courses.) (General Education Code(s): A.)

**143J. Global Political Economy.**

Analyzes the global, social, economic, and political forces that shape transnational, national, and regional societal formations and consequently the entire environment for social change. Examines the evolution of revolutionary struggle and its origins within and impact upon the evolving capitalist system.

**173. Latin American Immigration to the U.S.**

Interdisciplinary examination of Latin American immigration to the U.S. Topics include history of U.S. as an immigrant nation, economic and political context for migration, immigration process/experience, U.S. immigration/refugee policies, anti-immigrant backlash today, issues facing Latino immigrant communities to the U.S., bi-national communities. (General Education Code(s): E.)

**194N. Las izquierdas en América Latina: ayer, hoy y mañana.**

Taught in Spanish. Focuses on legacies of Latin America's popular and revolutionary movements since the 1960s, current transformations, and 21st-century prospects. Major emphasis on contemporary evaluations/debates about past movements and new perspectives. Also features a section on cross-border strategies, movements, and alliances for social justice. Enrollment restricted to junior and senior Latin American and Latino Studies majors, minors, combined or double majors. Enrollment limited to 20. (General Education Code(s): E.)

**200. Bridging Latin American and Latina/o Studies.**

Explores social, cultural, economic, and political changes that connect Latin America and U.S. Latina/o communities. The objective of this interdisciplinary team-taught course is to bridge previously distinct research approaches of Latin American and Latina/o studies to better understand processes that link peoples and ideas across borders as well as help students to conceptually and methodologically identify and design new objects of study and revisit traditional approaches. Core requirement for students pursuing the Parenthetical Notation in Latin American and Latino studies. Enrollment restricted to graduate students.

**Legal Studies**

**10. Introduction to Legal Process.**

Introduction to U.S. and comparative legal institutions and practices. Examines diverse areas of law from torts to civil rights to international human rights. Why is America portrayed as having an activist legal culture; why is law used to decide so many questions from presidential elections to auto accidents; can law resolve disputes that, historically, have led to war and violence; is the legal system fair and/or effective, and, if so, for whom and under what conditions? (General Education Code(s): IS.)

**105B. Early Modern Political Thought.**

A study of the republican and liberal traditions of political thought and politics. Authors studied include Machiavelli,

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Hobbes, Locke, and Rousseau. Examination of issues such as political corruption, community, authority, “scientific” politics, property, equality, and justice. (Formerly offered as Modern Political Theory.) (Also offered as Politics 105B. Students cannot receive credit for both courses.) Enrollment restricted to legal studies majors during priority period.

### **107. *After Evil: Political Morality of Survivorship and Recovery.***

What are the continuing relationships between victims, perpetrators, and beneficiaries of a past that is recognized as evil? Focus on contrast between the competing moral logics of struggle and reconciliation, and various rationales for allowing beneficiaries to keep their gains in order to bring closure to the past. Topics include post-slavery U.S., post-apartheid South Africa, post-genocide Rwanda, post-Holocaust Germany/Israel, post-authoritarian Latin America, and post-Soviet Eastern Europe. Theoretical perspectives drawn from law, philosophy, theology, and psychoanalysis. (Also offered as Politics 107. Students cannot receive credit for both courses.) Enrollment restricted to legal studies majors during priority enrollment only.

### **109. *Legal Theory.***

Offers a systematic exploration of alternative conceptions of the nature of law, including positivism, natural law, formalism, realism, pragmatism, and theories of justice. Additional focus includes the nature of law, relation of law and morality, rights and other legal concepts. Enrollment restricted to legal studies majors during priority enrollment only.

### **113. *Gay Rights and the Law.***

Examines relevant court cases as well as local, state, and federal laws that define boundaries for legal recognition of sexual orientation and personal sexuality. Explores legal assumptions behind current and historical cases defining personal sexuality and sexual orientation and considers the social and political impetus in each era that drove the courts and legislatures to make such decisions.

### **114. *Jews, Anti-Semitism, and the American Legal System.***

Explores how Jews have influenced and been impacted by the American legal system. Students explore significant cases, debates, and trends in the law as it relates to Jewish identity, religious freedom, and conceptions of justice. Enrollment restricted to legal studies majors during priority enrollment only.

### **120C. *State and Capitalism in American Political Development.***

Examines the relationship between state and economy in the U.S. from the 1880s to the present, and provides a theoretical and historical introduction to the study of politics and markets. Focus is on moments of crisis and choice in U.S. political economy, with an emphasis on the rise of regulation, the development of the welfare state, and changes in employment policies. (Also offered as Politics 120C. Students cannot receive credit for both courses.) Enrollment restricted to legal studies majors during priority period. Satisfies American History and Institutions Requirement.

### **128. *Poverty and Public Policy.***

Studies the causes, consequences, and governmental response to urban poverty in the U.S. Topics include how public policy, the macroeconomy, race, gender, discrimination, marriage, fertility, child support, and crime affect and

are affected by urban poverty. Emphasizes class discussion and research. (Also offered as Economics 128. Students cannot receive credit for both courses.) Prerequisite(s): satisfaction of Entry Level Writing and Composition requirements; Economics 100A and 113 or consent of instructor. Enrollment restricted to economics, business management economics, global economics, legal studies, or economics combined major Enrollment limited to 35. (General Education Code(s): W, E.)

### **131. *Water, Wildlife, and Natural Resources Law.***

Introduction to U.S. water, wildlife, and natural resources law; policy; and management practices. Enrollment restricted to sophomore, junior, and senior legal studies majors during the priority period.

### **159. *Property.***

Beginning with an overview of property law, the place of property in modern society is examined. Includes a survey of property institutions and their role as seen from the perspectives of social philosophy, economics, and social structure. Enrollment restricted to legal studies majors during priority period.

### **162. *Legal Environment of Business.***

A study of law and the legal process, emphasizing the nature and function of law within the U.S. federal system. Attention is given to the legal problems pertaining to contracts and related topics, business association, and the impact of law on business enterprise. (Also offered as Economics 162. Students cannot receive credit for both courses.) Prerequisite(s): Economics 100A.

## **Linguistics**

### **20. *Introduction to Linguistics.***

An introduction to the major areas, problems, and techniques of modern linguistics. (General Education Code(s): IH.)

### **52. *Syntax I.***

An introduction to transformational syntax and syntactic investigation, developed through the study of central aspects of English syntax. A major purpose is to introduce students to the study of language as an empirical science. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. (General Education Code(s): IH.)

### **80V. *Structure of the English Vocabulary.***

A systematic study of the elements of English words: besides the practical goal of vocabulary consolidation and expansion, explores the historical origin and development of word elements, as well as their sound, meaning, and function in the contemporary language. Offered in alternate academic years. (General Education Code(s): T4-Humanities and Arts.)

### **101. *Phonology I.***

Introduction to how sounds pattern in grammars—why they vary, how they combine, etc. Emphasis is on developing theories to explain the patterns. Topics include distinctive feature theory, phonemic analysis, autosegmental phonology, and principles of syllabification and stress. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements, course 20 or 51. (General Education Code(s): W.)

### **117. *Pragmatics.***

Covers topics central in the study of pragmatics, the interpretation of language use. Topics include conversational

implicature, speech acts and discourse understanding, and social deixis. Offered in alternate academic years.

### **183. *Structure of French.***

The phonology, morphology, and syntax of French. Some knowledge of French is helpful. Prerequisite(s): course 20, or equivalent linguistics courses in syntax and phonology.

### **190F. *Senior Research (2 credits).***

Students produce a research paper or other significant project to satisfy the capstone requirement. Prerequisite(s): course 101, and either course 52 or 55. Concurrent enrollment in course 183 is required. Enrollment restricted to senior linguistics and language studies majors. Enrollment limited to 10.

### **211. *Phonology A.***

First part of a three quarter introduction to phonology. Topics of the sequence include fundamentals of acoustic phonetics; introduction to optimality theory; theories of syllabification, stress, and prosodic organization; prosodic morphology; advanced issues in faithfulness and correspondence; segmental and suprasegmental processes. Enrollment restricted to graduate standing or consent of instructor.

### **219. *Phonology Seminar.***

Advanced topics in phonology drawn from the current research interests of the instructor. Prerequisite(s): course 212. Enrollment restricted to graduate standing or consent of instructor. May be repeated for credit.

### **221. *Syntax A.***

Introduction to syntactic theory. Phrase structure; subcategorization; lexical entries; passive; infinitival constructions. Enrollment restricted to graduate standing or consent of instructor.

### **231. *Semantics A.***

Introduction to linguistic semantics: nature of lexical entries, thematic relations, representation of logical form; relation between semantic interpretation and syntactic representation, quantification and scope relations, reference and presupposition. Enrollment restricted to graduate standing or consent of instructor.

### **239. *Semantics Seminar.***

Advanced topics in semantics drawn from the current research interests of the instructor. Prerequisite(s): course 232. Enrollment restricted to graduate standing or consent of instructor. May be repeated for credit.

## **Literature**

### **1. *Literary Interpretation.***

Close reading and analysis of literary texts, including representative examples of several different genres and periods. An introduction to practical criticism required of all literature majors; should be completed prior to upper-division work in literature. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to first-year students, sophomores, and juniors. (General Education Code(s): IH, W.)

### **61P. *Introduction to Reading Poetry.***

An introduction to selected modes and forms of poetry with an emphasis on close textual analysis. Examples will be taken from different historical periods and poetic traditions. (General Education Code(s): IH.)

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### **80S. Aristotle's Poetics.**

Close reading and analysis of Aristotle's *Poetics*, with special attention to the subsequent fate and influence of the notions advanced in the book. (General Education Code(s): T4-Humanities and Arts.)

### **101. Theory and Interpretation.**

Contemporary approaches to literary and cultural theory, with emphasis on how theoretical perspectives advance and broaden the reading of literary texts. Introduction to important new theoretical developments and their antecedents. Literature majors should complete this course as early as possible. Topics for 2006–07: (F) Marxist criticism; (W) authorship; (S) culture, class, and taste. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. Enrollment restricted to sophomores, juniors, and seniors. May be repeated for credit. (General Education Code(s): W.)

### **200. Proseminar.**

The proseminar provides a common experience for entering students, facilitates exchange of ideas and approaches to literary and extra-literary texts, critical issues, and theoretical problems. It focuses on broad aspects of the history of theory and criticism, on the students' critical writing, and on aspects of professional development. Enrollment restricted to graduate students.

## **Creative Writing**

### **10. Introduction to Creative Writing.**

Introduction to the crafts and techniques of poetry, fiction, and creative non-fiction, identifying and exploring traditional and non-traditional literary forms and genres while working on individual creative writing projects. An author reading and two workshop section per week. Prerequisite: satisfaction of the Entry Level Writing requirement. Enrollment restricted to first-year students, sophomores, and juniors. May be repeated for credit. (General Education Code(s): A.)

### **52. Intermediate Fiction Writing.**

An intermediate-level course in fiction designed for prospective creative writing majors. Prerequisite(s): submission of writing at first class meeting. May be repeated for credit. (General Education Code(s): A.)

### **53. Intermediate Poetry Writing.**

An intermediate-level course in poetry designed for prospective creative writing majors. Prerequisite(s): submission of writing at first class meeting. May be repeated for credit. (General Education Code(s): A.)

### **180. Advanced Writing: Fiction.**

Intensive work in writing fiction. Satisfies the Creative Writing Literature concentration. Enrollment restricted to creative writing literature majors or permission of instructor. May be repeated for credit. (General Education Code(s): A.)

### **183. Advanced Writing: Poetry.**

Intensive work in writing poetry. Satisfies the Creative Writing Literature concentration. Enrollment restricted to creative writing literature majors or permission of instructor. May be repeated for credit. (General Education Code(s): A.)

## **English-Language Literatures**

### **102C. The Traditional U.S. Canon: Beginnings to 1900.**

Major works from the colonial and early national periods

to 1900, with attention to their social and cultural context. Satisfies the English and Modern Literature concentrations.

### **110B. The 18th-Century English Novel.**

The 18th-century novel from Defoe to Austen. Satisfies the English and Pre- and Early Modern Literature concentrations; also satisfies the Pre- and Early Modern distribution requirement.

### **130B. English Drama: 1576–1642.**

Study of representative plays. Satisfies the English and Pre- and Early Modern Studies Literature concentrations; also satisfies the Pre- and Early Modern distribution requirement.

### **140C. The Films of John Carpenter.**

Study of development and central themes of preeminent genre director of the "post-Hollywood" era, concentrating on central core of major works in horror/science fiction genres from *Halloween* to *In the Mouth of Madness*, with attention to the comedies and action films. Satisfies the English, Literature and Film, and Modern Literature concentrations. (Formerly American Literature 105C.)

### **150B. Chicano Literature.**

An intensive examination of contemporary Chicano autobiography, narrative, poetry, and film. Satisfies the English and Modern Literature concentrations. (General Education Code(s): E.)

### **155B. Regions in American Literature.**

Examines development of regional writing in the U.S. Topics: (F) San Francisco, (W) Hawaii. Satisfies the English and Modern Literature concentrations. May be repeated for credit.

### **155D. Studies in South African Literature.**

A survey of writing from South Africa since 1948, focusing on social and political themes. Authors include Paton, Gordimer, Mphahlele, Fugard, Ndebele, Head, Brutus, Coetzee, and others. Satisfies the English and Modern and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

### **160E. Caribbean Literature.**

A study of major writing from the English-speaking Caribbean, with attention to the historical and cultural context out of which it arises and to which it responds. Authors include Edward Kamau Brathwaite, Wilson Harris, George Lamming, Paule Marshall, V. S. Naipaul, Victor Reid, Jean Rhys, and Derek Walcott. Satisfies the English and Modern and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

### **170B. Edmund Spenser.**

Studies in Spenser's major poetry: *Faerie Queene*, *Book I*; *Epithalamion*; *Mutabilitie Cantos*. Satisfies the English and Pre- and Early Modern Studies Literature concentrations; also satisfies the Poetry and Pre- and Early Modern distribution requirements.

### **190G. Black Pulp Fiction.**

Investigates the ways black writers in the 20th century have exploited and transformed genre fiction. Authors include George Schuyler, Octavia Butler, Samuel Delany, Steven Barnes, Jewelle Taylor Gomez, Rudolph Fisher, Chester Himes, Barbara Neely, Victor Headley, and others. Satisfies the English and Modern Literature concentrations; also satisfies the Senior Seminar distribution requirement.

Prerequisite(s): Literature 101. Enrollment restricted to senior literature majors. (General Education Code(s): E.)

### **270. Individual Authors.**

Topic: Hilda Doolittle. Enrollment restricted to graduate students. May be repeated for credit.

## **French Literature**

### **135. Author and Culture.**

Designed to provide an in-depth study of a given author's literary oeuvre and its cultural context. Topic: Colette and Duras. Satisfies the French and Modern Literature concentrations. May be repeated for credit.

## **German Literature**

### **150. German Romanticism.**

A study of the emergence and development of German Romanticism. Central concerns are the Romantics' attitude toward the role of the imagination in literature and their attempts to revitalize myth and folklore in their works. Authors read include Tieck, Novalis, Hoffmann, Eichendorff, and Heine. Satisfies the German and Modern Literature concentrations.

## **Greek Literature**

### **104. Prose Authors.**

Topic: Plato. Satisfies the Greek and Pre- and Early Modern Literature concentrations; also satisfies the Pre- and Early Modern distribution requirement. May be repeated for credit.

## **Latin Literature**

### **102. Roman Poetry.**

Topic: (F) Virgil; (W) the politics of Latin lyric. Satisfies the Latin and Pre- and Early Modern Studies Literature concentrations; also satisfies the Poetry and Pre- and Early Modern distribution requirements. May be repeated for credit.

## **Italian Literature**

### **102. Introduction to Italian Literature.**

A close reading of a small number of texts (lyric, dramatic, narrative) representing the major authors and periods of Italian literature, with intensive practice in spoken and written Italian. Satisfies the Italian and Modern Literature concentrations.

## **Modern Literary Studies**

### **125L. Films on the Border.**

Surveys a range of cinematic representations of the U.S.-Mexico border region from Hollywood, independent, Chicano/Latino, Mexican, and local sources. Studies the border in both concrete and symbolic registers. Satisfies the Literature and Film, Modern Literary Studies, and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

### **144H. Jewish Writers and the European City.**

Interrogates the master narrative of a specific European city and discusses the ways in which Jewish life and Jewish actions helped to shape that story and were shaped by it. Satisfies the Modern Literary Studies concentration. Topic for fall 2006: Venice.

### **145C. Modern Fiction and Poetry.**

Survey of experimental fiction and poetry. In addition to reading literary texts, course considers literary theories of reading and writing. Topic for fall 2006: intersection of

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gender with genre, form, technique, and style. Satisfies the Modern Literature concentration; also satisfies the Poetry distribution requirement.

### **152E. Non-Realist Traditions in Modern and Contemporary Japanese Literature.**

Modern and contemporary Japanese literature and culture, focusing on non-realist literary works that traverse several genres of fantasy, neo-gothic, and science fiction. Critically analyzes a variety of works from the early 20th century to the present in their changing historical and cultural contexts. Readings situated in national and global/transnational contexts. Satisfies the Literature and Film, Modern Literary Studies, and World Literature concentrations; also satisfies the Global distribution requirement.

### **155B. Soviet Literature.**

Survey of 20th-century Soviet literature, from the revolution to the death of Stalin. Readings include modernist and avant-garde texts of the 1920s and socialist realism. Satisfies the Modern and World Literature concentrations; also satisfies the Global distribution requirement.

### **170B. Modern Italian Novel.**

Surveys Italian novels of the 19th and 20th centuries. Satisfies the Modern Literature concentration.

## **Pre- and Early Modern Studies**

### **115. The Heroic Epic.**

A survey and analysis of “primary” epic: Gilgamesh, the Iliad, the Odyssey, and Exodus. Satisfies the Pre- and Early Modern Literature concentration; also satisfies the Poetry and Pre- and Early Modern distribution requirements.

### **144C. Performing Texts.**

Wide-angled exploration of the cultural worlds connected with Jewish liturgy across the diaspora. Offers an anthropological approach to the connections between written text and oral cultures in Judaism: classical and contemporary texts, poetry, music, architecture, and synagogue life.

### **190P. Topics in Pre- and Early Modern Studies.**

Examination of individual authors or critical problems in ancient, medieval, or early modern/Renaissance literature. Summer 2006: phenomenon of comedy. Satisfies the Pre- and Early Modern Literature concentration; also satisfies the Pre- and Early Modern and Senior Seminar distribution requirements. Prerequisite(s): Literature 101. Enrollment restricted to senior literature majors. May be repeated for credit.

### **201. Studies in Antiquity.**

An in-depth study of a topic in Mediterranean and Near Eastern antiquity. Topic: rhetoric of war. Enrollment restricted to graduate students. May be repeated for credit.

## **Spanish/Latin Amer/Latino Lit**

### **60. Introduction to Literary Genres.**

The study of poetry, drama, and prose in Spain and Latin America. (General Education Code(s): IH, E.)

### **100C. Medieval Spanish Literature.**

Focuses on Spanish medieval literature, broadly covering the 12th to the 15th centuries. Examines and contextualizes literary genres developed in this period. Satisfies the Pre- and Early Modern Studies and Spanish Literature concentrations; also satisfies the Pre- and Early Modern distribution requirement.

### **131A. Mexico.**

Topic: the representation of Chiapas in literature. Satisfies the Modern, Spanish, and World Literature concentrations; also satisfies the Global distribution requirement. (General Education Code(s): E.)

### **213. Latin American Film: Gender, Genre, Race, and Nation.**

Using selected feature films from Argentina, Cuba, and Mexico (1940–present), students develop expertise in the semiotics of the cinematic, historiography of “peripheral” national cinemas, genre theory, gender theory, and expressions of the national in both commercial and independent filmmaking. Reading knowledge of Spanish is desirable. Enrollment restricted to graduate students.

## **World Lit and Cultural Studies**

### **190A. Topics in World Literature and Cultural Studies.**

Topic: LA, SE, and Honolulu. Satisfies the Modern and World Literature concentrations; also satisfies the Global and Senior Seminar distribution requirements. Prerequisite(s): Literature 101. Enrollment restricted to senior literature majors. May be repeated for credit. (General Education Code(s): E.)

### **209. Topics in Cultural Studies.**

Topics: (F) haunted power: sovereignty and psyche in the postcolonial world; (W) quodlibetal studies; (S) modern French/Francophone philosophies of difference. Enrollment restricted to graduate students. May be repeated for credit.

## **Mathematics**

### **2. College Algebra for Calculus.**

Operations on real numbers, complex numbers, polynomials, and rational expressions; exponents and radicals; solving linear and quadratic equations and inequalities; functions, algebra of functions, graphs; conic sections; mathematical models; sequences and series. Prerequisite(s): placement exam score of 12 or higher.

### **3. Precalculus.**

Inverse functions and graphs; exponential and logarithmic functions, their graphs, and use in mathematical models of the real world; rates of change; trigonometry, trigonometric functions, and their graphs; and geometric series. Students cannot receive credit for both course 3 and Applied Mathematics and Statistics 3. Applied Mathematics and Statistics 3 can substitute for course 3. Prerequisite(s): course 2 or placement exam score of 20 or higher. (General Education Code(s): Q.)

### **11A. Calculus with Applications.**

A modern course stressing conceptual understanding, relevance, and problem solving. The derivative of polynomial, exponential, and trigonometric functions of a single variable is developed and applied to a wide range of problems involving graphing, approximation, and optimization. Students cannot receive credit for both this course and course 19A or Applied Mathematics and Statistics 11A or Economics 11A. Prerequisite(s): course 3 or Applied Mathematics and Statistics 3; or placement exam score of 31 or higher; or AP Calculus AB exam score of 3 or higher. (General Education Code(s): IN, Q.)

### **11B. Calculus with Applications.**

Starting with the fundamental theorem of calculus and related techniques, the integral of functions of a single variable is developed and applied to problems in geometry,

probability, physics, and differential equations. Polynomial approximations, Taylor series, and their applications conclude the course. Students cannot receive credit for this course and course 19B or Economics 11B. Prerequisite(s): course 11A or AP Calculus AB exam score of 4 or 5, or BC exam score of 3 or higher, or 1B Mathematics Higher Level exam score of 5 or higher. (General Education Code(s): IN, Q.) The Staff

### **19A. Calculus for Science, Engineering, and Mathematics.**

The limit of a function, calculating limits, continuity, tangents, velocities, and other instantaneous rates of change. Derivatives, the chain rule, implicit differentiation, higher derivatives. Exponential functions, inverse functions, and their derivatives. The mean value theorem, monotonic functions, concavity, and points of inflection. Applied maximum and minimum problems. Students cannot receive credit for both this course and course 11A or Applied Mathematics and Statistics 11A or Economics 11A. Prerequisite(s): course 3 or Applied Mathematics and Statistics 3 or placement exam score of 40 or higher or AP Calculus AB exam score of 3 or higher. (General Education Code(s): IN, Q.)

### **19B. Calculus for Science, Engineering, and Mathematics.**

The definite integral and the fundamental theorem of calculus. Areas, volumes. Integration by parts, trigonometric substitution, and partial fractions methods. Improper integrals. Sequences, series, absolute convergence and convergence tests. Power series, Taylor and Maclaurin series. Students cannot receive credit for both this course and course 11B, Applied Math and Statistics 11B, or Economics 11B. Prerequisite(s): course 19A or AP Calculus AB exam score of 4 or 5, or BC exam score of 3 or higher, or 1B Mathematics Higher Level exam score of 5 or higher. (General Education Code(s): IN, Q.)

### **20A. Honors Calculus.**

Challenging course designed to approach single-variable calculus from the perspective of modern mathematics. Emphasis is on the evolution and historical development of core concepts underlying calculus and analysis. Prerequisite(s): placement exam score of 46 or higher; or AP Calculus AB exam score of 4 or 5; or BC exam of 3 or higher; or IB Mathematics Higher Level exam score of 5 or higher. Enrollment limited to 30. (General Education Code(s): IN, Q.)

### **21. Linear Algebra.**

Systems of linear equations, matrices, determinants. Introduction to abstract vector spaces, linear transformation, inner products, geometry of Euclidean space, and eigenvalues. One quarter of college mathematics is recommended as preparation. (General Education Code(s): Q.)

### **22. Introduction to Calculus of Several Variables.**

Functions of several variables. Continuity and partial derivatives. The chain rule, gradient and directional derivative. Maxima and minima, including Lagrange multipliers. The double and triple integral and change of variables. Surface area and volumes. Applications from biology, chemistry, earth sciences, engineering, and physics. Students cannot receive credit for this course and course 23A. Prerequisite(s): course 11B or 19B or 20B.

### **23A. Multivariable Calculus.**

Vectors in n-dimensional Euclidean space. The inner and cross products. The derivative of functions from n-dimensional to m-dimensional Euclidean space is studied

as a linear transformation having matrix representation. Paths in three dimensions, arc length, vector differential calculus. Taylor's theorem in several variables, extrema of real-valued functions, constrained extrema and Lagrange multipliers, the implicit function theorem, some applications. Students cannot receive credit for this course and course 22. Prerequisite(s): course 19B or 20B.

**23B. Multivariable Calculus.**

Double integral, changing the order of integration. Triple integrals, maps of the plane, change of variables theorem, improper double integrals. Path integrals, line integrals, parametrized surfaces, area of a surface, surface integrals. Green's theorem, Stokes theorem, conservative fields, Gauss' theorem. Applications to physics and differential equations, differential forms. Prerequisite(s): course 23A.

**30. Mathematical Problem Solving.**

Students learn techniques of problem solving such as induction, contradiction, exhaustion, dissection, analogy, generalization, specialization, and others in the context of solving problems drawn from number theory, probability, combinatorics, graph theory, geometry, and logic. Prerequisite(s): course 11A or 19A or 20A or Math Placement Exam score of 40 or higher.

**100. Introduction to Proof and Problem Solving.**

Students learn the basic concepts and ideas necessary for upper-division mathematics and techniques of mathematical proof in the context of specific topics. Introduction to sets, relations, elementary mathematical logic, proof by contradiction, mathematical induction, and counting arguments. Prerequisite(s): courses 11A and 11B or 19A and 19B or 20A and 20B. Enrollment limited to 40.

**103. Complex Analysis.**

Complex numbers, analytic and harmonic functions, complex integration, the Cauchy integral formula, Laurent series, singularities and residues, conformal mappings. Prerequisite(s): course 23B; and either course 100 or Computer Science 101.

**106A. Systems of Ordinary Differential Equations.**

Linear systems, exponentials of operators, existence and uniqueness, stability of equilibria, periodic attractors, and applications. Prerequisite(s): either Applied Mathematics and Statistics 27 or preferably courses 21 and 24; and either course 100 or Computer Science 101.

**110. Introduction to Number Theory.**

Prime numbers, unique factorization, congruences with applications (e.g., to magic squares). Rational and irrational numbers. Continued fractions. Introduction to Diophantine equations. No calculus required. An introduction to some of the ideas and outstanding problems of modern mathematics. Prerequisite(s): course 100 or Computer Science 101. (General Education Code(s): Q.)

**111A. Algebra.**

Group theory including the Sylow theorem, the structure of abelian groups, permutation groups. Introduction to rings and fields including polynomial rings, factorization, the classical geometric constructions, and Galois theory. Prerequisite(s): course 21 or Applied Mathematics and Statistics 27 and either course 100 or Computer Science 101.

**112. Mathematical Probability Theory.**

Introductory probability course for mathematicians, de-

signed as a prerequisite for advanced probability courses at the graduate level. Moving from elementary topics of probability spaces and random variables, independent identical trials, the law of large numbers, the Demoivre-Laplace central limit theorem, also includes basic Martingale theory, finite Markov chains, percolations, and branching processes. Prerequisite(s): course 21 and 23B.

**118. Advanced Number Theory.**

Topics include divisibility and congruences, arithmetical functions, quadratic residues and quadratic reciprocity, quadratic forms and representations of numbers as sums of squares, Diophantine approximation and transcendence theory, quadratic fields. Additional topics as time permits. Prerequisite(s): course 110 or 111A.

**128A. Classical Geometry: Euclidean and Non-Euclidean.**

Rigorous foundations for Euclidean and non-Euclidean geometries. History of attempts to prove the parallel postulate and of the simultaneous discovery by Gauss, J. Bolyai, and Lobachevsky of hyperbolic geometry. Consistency proved by Euclidean models. Classification of rigid motions in both geometries. Prerequisite(s): either course 100 or Computer Science 101.

**200. Algebra I.**

Subgroups, cosets, normal subgroups, homomorphisms, isomorphisms, quotient groups, free groups, generators and relations, group actions on a set. Sylow theorems, semidirect products, simple groups, nilpotent groups, and solvable groups. Ring theory: Chinese remainder theorem, prime ideals, localization. Euclidean domains, PIDs, UFDs, polynomial rings. Prerequisite(s): courses 111A and 117 are recommended as preparation. May be repeated for credit.

**203. Algebra IV.**

Topics include tensor product of modules over rings, projective modules and injective modules, Jacobson radical, Weederburns' theorem, category theory, Noetherian rings, Artinian rings, affine varieties, projective varieties, Hilbert's Nullstellensatz, prime spectrum, Zariski topology, discrete valuation rings, and Dedekind domains. (Formerly course 208.) Prerequisite(s): courses 200, 201, and 202.

**204. Analysis I.**

Completeness and compactness for real line, sequences and infinite series of functions, Fourier series, calculus on Euclidean space and implicit function theorem, metric spaces and contracting mapping theorem, Arzela-Ascoli theorem, basics of general topological spaces, Baire category theorem, Urysohn lemma, and Tychonoff theorem. (Formerly course 203.) Prerequisite(s): course 105A or equivalent; course 105B is recommended as preparation.

**208. Manifolds I.**

Definition of manifolds, tangent bundle, inverse and implicit function theorems, transversality, Sard's theorem and the Whitney embedding theorem, vector fields, flows, and Lie bracket, Frobenius's theorem. Course 204 recommended for preparation. (Formerly course 234A, Calculus on Manifolds.)

**222A. Algebraic Number Theory.**

Topics include algebraic integers, completions, different and discriminant, cyclotomic fields, parallelotopes, the ideal function, ideles and adèles, elementary properties of zeta functions and L-series, local class field theory, global class field theory. Courses 200, 201, and 202 are recommended as preparation.

**225A. Lie Algebras.**

Basic concepts of Lie algebras, Engel's theorem, Lie's theorem, Weyl's theorem are proved. Root space decomposition for semi-simple algebras, root systems and the classification theorem for semi-simple algebras over the complex numbers. Isomorphism and conjugacy theorems. Course 202 is recommended as preparation.

**254. Geometric Analysis.**

Introduction to some basics in geometric analysis through the discussions of two fundamental problems in geometry: the resolution of the Yamabe problem and the study of harmonic maps. The analytic aspects of these problems include Sobolev spaces, best constants in Sobolev inequalities, and regularity and a priori estimates of systems of elliptic PDE. Prerequisite(s): courses 208, 212, and 213 are recommended as preparation.

**292. Seminar (no credit).**

A weekly seminar attended by faculty, graduate students, and upper-division undergraduate students. All graduate students are expected to attend.

**Music**

**1C. University Concert Choir (2 credits).**

A study of selected works for mixed chorus, with emphasis on masterworks for chorus and orchestra, culminating in one or more public concerts. Familiarity with basic music notation recommended. Admission by audition with conductor prior to first class meeting. See enrollment conditions section of the quarterly Schedule of Classes. Students are billed a materials fee. May be repeated for credit. (General Education Code(s): A.)

**2. University Orchestra (2 credits).**

A study of selected works for orchestra, culminating in one or more public concerts. Admission by audition with conductor prior to first class meeting. See enrollment conditions section of the quarterly Schedule of Classes. Students are billed for a materials fee. May be repeated for credit. (General Education Code(s): A.)

**3. Large Jazz Ensemble (2 credits).**

Instruction in performance in large jazz ensembles with written arrangements. Prepares a specific repertory for public performance. Admission by audition with instructor prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Students are billed for a materials fee. Enrollment limited to 25. May be repeated for credit. (General Education Code(s): A.)

**4A. Latin American Ensemble: "Voces" (2 credits).**

Instruction in diverse musical traditions, and their culturally-grounded performance contexts, of Native American, Ibero-American, and African American music cultures of Latin America, including texted music in Spanish and Quechua or other regional languages. The class forms an ensemble that prepares varying cultural and national repertoires for public performance. Some Spanish language ability is recommended. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Enrollment limited to 25. May be repeated for credit. (General Education Code(s): A.)

**4B. Latin American Ensemble: "Taki Ñan" (2 credits).**

Development of Latin American, Native American, Ibero-American, African American, and/or Nueva Canción (New Song) repertoire in a small ensemble setting. Three

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quarters of course 4A or previous enrollment in course 4B required prior to enrolling in this course. Admission by audition with instructor at first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Enrollment limited to 10. May be repeated for credit. (General Education Code(s): A.)

### **5A. West Javanese Gamelan Ensemble: Beginning (2 credits).**

Instruction in practice and performance of gamelan music from Java or Sunda. Preparation of several works for public presentation. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit. (General Education Code(s): A.)

### **5B. West Javanese Gamelan Ensemble: Intermediate (2 credits).**

Instruction in practice and performance of gamelan music from Java or Sunda. Preparation of several works for public presentation. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit. (General Education Code(s): A.)

### **5C. West Javanese Gamelan Ensemble: Advanced (2 credits).**

Instruction in practice and performance of gamelan music from Java or Sunda. Preparation of several works for public presentation. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit. (General Education Code(s): A.)

### **6. Classical Guitar Ensemble (2 credits).**

Study of selected repertoire and instruction in performance for classical guitar ensemble. Ensembles for guitar and other instruments will prepare works for public performances both on and off campus. All students enrolled in individual guitar lessons are expected to enroll. Students of other instruments or voice may also audition. Some additional rehearsal time, individually and with the group, is required. Admission by audition with instructor prior to first class meeting. May be repeated for credit. (General Education Code(s): A.)

### **8. Balinese Gamelan Ensemble (2 credits).**

Instruction in practice and performance of gamelan music from Bali and Indonesia, including ritual and new music. Preparation of several works for public presentation. Attend first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. (Formerly Balinese Gamelan Angklung.) May be repeated for credit. (General Education Code(s): A.)

### **9. Wind Ensemble (2 credits).**

A study of selected advanced-level works for wind ensemble, culminating in one or more public concerts. Admission by audition with conductor prior to first class meeting. Students are billed for a materials fee. May be repeated for credit. (General Education Code(s): A.)

### **11D. Introduction to World Music.**

Covers topics reflecting distinctive features of selected world music cultures. Introduces content, scope, and method of ethnomusicology. Focuses on understanding the musical styles, performance practices, and cultural functions of these musical traditions. Incorporates live class performance of selected music. (Formerly courses 80A and 80B.) Enrollment limited to 400. (General Education Code(s): IH, A, E.)

### **13. Beginning Theory and Musicianship I.**

Fundamentals of music and notation. Major, minor scales, intervals, triads, and inversions, root-position 7th chords, and the beginning harmonic analysis. Emphasis on the development of the ear and coordination. Exercises of pulse, rhythm, pitch, and coordination. Dictation and sight singing. Enrollment restricted to first-year students, sophomores, and juniors. Enrollment limited to 35.

### **30A. Theory, Literature, and Musicianship I.**

Integrated musicianship, theory, and analysis. Species counterpoint and fundamentals of tonal harmony. Analysis of literature from the Middle Ages and Renaissance. Ear-training, taught in smaller sections, emphasizes recognition of triad and dominant-seventh inversions, dictation of diatonic melodies, and aural analysis of simple diatonic interval and chord progressions. Concurrent enrollment in course 30L required. Prerequisite: admission by core curriculum placement examination or by passing course 14 with a final examination score of approximately 80 percent or higher. Enrollment limited to 60.

### **30L. Theory, Literature, and Musicianship I Laboratory (2 credits).**

Keyboard (score-reading, figured-bass, progressions, chords) and musicianship (sight-singing, intervals, chords, rhythm) laboratory sequence illustrating topics covered in course 30A. Two 1-hour laboratory sessions per week. Concurrent enrollment in course 30A required; concurrent enrollment in course 60 also required for students without adequate prior keyboard training. Enrollment limited to 6.

### **51. Vocal Repertoire Class (2 credits).**

The study and performance of vocal repertoire from 1400 to the present, including solo song, oratorio, opera, ensemble music. Emphasis is given to the development of effective performance skills, culminating in public performance. Attend first class meeting; concurrent enrollment in individual voice lessons with instructor of this course is required. See the enrollment conditions section of the quarterly Schedule of Classes. Enrollment limited to 20. May be repeated for credit. (General Education Code(s): A.)

### **54. North Indian Music Workshop (2 credits).**

A course covering the music of North India taught using the oral traditions of Indian music. For beginners as well as more experienced students, this course is well suited for instrumentalists and vocalists. Interview; instructor determination at first class meeting. May be repeated for credit. (General Education Code(s): A.)

### **60. Group Instruction in Piano (2 credits).**

Elementary instruction in piano technique, including group and individual performance experience. A minimum of six hours per week of individual practice is required. Curriculum is coordinated with keyboard requirements of courses 30A-B-C. Students are billed for a course fee. Instructor determination prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Enrollment limited to 8. May be repeated for credit.

### **75. Jazz Theory I.**

Studies in the modes, scales, chord alternations and extensions, chord voicings, chord progressions, and forms that underlie jazz improvisation, composition, and arranging in a variety of styles. (Formerly Jazz Theory.) Prerequisite(s): course 14. Enrollment limited to 30. (General Education Code(s): A.)

### **80C. History, Literature, and Technology of Electronic Music.**

This survey of electronic music from previous centuries to the present studies the works and aesthetics of important composers, acoustics, musical perception, the effects of technological innovation on cultural evolution, and the development of synthesizers and computer music. (General Education Code(s): T6-Natural Sciences or Humanities and Arts, A.)

### **80I. Music of Modern Israel.**

Historical, musicological, and anthropological study of the many (and often conflicting) worlds brought together by Israeli popular and art music: Jewish and Arabic traditions, Western ideals, and modern beats. Enrollment limited to 40. (General Education Code(s): T4-Humanities and Arts, A, E.)

### **80X. Music of India.**

A survey course in Hindustani (North Indian) and Karnatak (South Indian) music covering the Raga (modal system) and Tala (metric system) as they have developed in the two traditions. Consideration is given to the historical development of the music, from Vedic chanting to the modern Raga system; social functions of the music throughout history; and instrumental and vocal forms with an emphasis on listening. (General Education Code(s): T4-Humanities and Arts, A, E.)

### **100A. Theory, Literature, and Musicianship II.**

Tonal counterpoint and advanced tonal analysis. Techniques of 18th-century counterpoint and compositional practice. Advanced concepts in harmony, form, and the structure of melody in tonal music. Prerequisite(s): courses 30C and 30N and Piano Proficiency Exam. Enrollment limited to 20.

### **101C. History of Western Art Music.**

Third quarter of a four quarter detailed chronological study of Western art music from antiquity to the present. Coordinated lectures, readings, listening assignments, and analysis of representative works: Classical and Romantic. Prerequisite(s): course 30C.

### **102. University Orchestra (2 credits).**

A study of selected works for orchestra, culminating in one or more public concerts. Admission by audition with conductor prior to first class meeting; see the enrollment conditions section of the quarterly schedule of classes. Students are billed for a materials fee. Enrollment restricted to juniors and seniors. May be repeated for credit.

### **125. Advanced Electronic Sound Synthesis.**

Continuing study in the electronic music studio, with concentration on compositional development. Includes advanced applications of skills developed in courses 123 (formerly course 81) and 124, expansion of background knowledge and relevant electroacoustical studies. Prerequisite(s): course 124. Enrollment limited to 25.

### **130. Orchestration.**

A study of the nature of each instrument of the orchestra. Scoring for various small instrumental combinations, culminating in a transcription for full orchestra. Prerequisite(s): course 30C. Enrollment limited to 15.

### **159A. Opera Workshop (2 credits).**

A workshop for singers, accompanists, and directors, the course develops a wide variety of skills related to opera through scenework. Attention will be given to movement, acting, coaching, and operatic stage-directing technique. Instruction culminates in studio productions of scenes

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from operas and musicals. Admission by permission of vocal instructor, or by audition with instructor prior to first class meeting. Students are billed for a materials fee. Enrollment limited to 30. May be repeated for credit. (General Education Code(s): A.)

### **159B. Opera Workshop (3 credits).**

A workshop for singers, accompanists, and directors, the course develops a wide variety of skills related to opera through scenework. Attention will be given to movement, acting, coaching, and operatic stage-directing technique. Instruction culminates in studio productions of scenes from operas and musicals. Admission by permission of vocal instructor, or by audition with instructor prior to first class meeting. Students are billed for a materials fee. Enrollment limited to 30. May be repeated for credit. (General Education Code(s): A.)

### **164. Jazz Ensembles (2 credits).**

Instruction in combo performance and techniques of the jazz idiom. The class forms several ensembles that prepare a specific repertory for public performance. Admission by audition with instructor prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit.

### **166. Chamber Singers (2 credits).**

The study of selected works for small vocal ensemble from the fifteenth through twentieth centuries, with performances on and off campus throughout the academic year. Students must have demonstrated vocal and music reading skills. Admission by audition with instructor prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. Students are billed for a materials fee. May be repeated for credit. (General Education Code(s): A.)

### **167. Workshop in Electronic Music (2 credits).**

Continuing studio work in electronic music. Students carry out individual projects, meeting in weekly seminar to share problems and discoveries. Relevant advanced topics are covered, including new developments in the art. Prerequisite(s): course 124. Enrollment limited to 20. May be repeated for credit.

### **168. Contemporary Music Ensemble (2 credits).**

A study of selected works for various small combinations of instruments and voice, culminating in one or more public concerts. Admission by audition with instructor prior to first class meeting. See the enrollment conditions section of the quarterly Schedule of Classes. May be repeated for credit.

### **200. Introduction to Research Methods.**

Practical introduction to graduate study in music focusing on research methods, music sources and bibliography, techniques of scholarly writing, and critical readings in the discipline. Culminates in a public oral presentation on the model of a professional conference paper.

### **203H. Area Studies in Performance Practice.**

Intensive examination of the vocal and instrumental performance practices of living musical traditions of Indonesia, Latin America, or other regions. Topics may incorporate soloistic and ensemble traditions, secular and sacred traditions. Research rubrics include tuning, tone quality, performance posture and rhetoric, and improvisational and fixed patterns, as dictated by regional norms. May be repeated for credit in a different area. Offered on a rotational basis with other courses in the 203 series. May be repeated for credit.

### **219A. Techniques in Composition (2 credits).**

Short compositional exercises incorporating diverse contemporary techniques with emphasis on problem solving and development of compositional skills. Exercises focus on particular strategies for organizing and coordinating aspects of pitch, rhythm, timbre, and other musical dimensions, depending on interests of instructor and students. Enrollment restricted to graduate students. May be repeated for credit.

### **252. Current Issues Colloquium (2 credits).**

Interactive faculty/graduate student colloquium featuring presentations by faculty, students, or visiting scholars on research projects in musicology/ethnomusicology, followed by focused discussion. Each graduate student is expected to make a presentation at least once or twice during the year. Enrollment restricted to graduate students. May be repeated for credit.

## **Ocean Sciences**

### **1. The Oceans.**

An interdisciplinary introduction to oceanography focusing on biological, chemical, geological, and physical processes. Covers topics such as origins and structure of planet Earth and its oceans, co-evolution of Earth and life, plate tectonics, liquid water and the hydrologic and hydrothermal cycles, salinity and elemental cycles, ocean circulation, primary production and nutrient cycles, plankton and nekton, life on the sea floor, near shore and estuarine communities, future environmental problems our oceans face. Students may also enroll in and receive credit for Earth Sciences 1. (Note: General Education credit will not be granted for this course and Biology 80D.) (General Education Code(s): IN, Q.)

### **80A. Life in the Sea.**

The ecology of plants and animals in oceans and coastal areas. Consideration of life in various marine habitats, including the open ocean, rocky shores, estuaries, and the sea. Includes field trips. High school biology and chemistry courses are recommended prior to taking this course. (General Education Code(s): T2-Natural Sciences.)

### **200. Physical Oceanography.**

Introduction to the physics of the ocean-atmosphere system. Structure of the ocean and atmosphere. Energy balance and radiative transfer. Atmospheric circulation; weather and climate. Physical properties of seawater, air-sea interaction, mixing, water masses, ocean circulation, waves; CO<sub>2</sub> and global change. Designed for beginning graduate students in ocean sciences and upper-division science majors. Calculus and physics recommended as preparation.

### **280. Marine Geology.**

Geology of the marine environment. Topics include controls on the types, origin, and distribution of marine sediments; geology of oceanic crust; evolution of continental margins and plate boundaries; introduction to paleoceanography. Students cannot receive credit for this course and Earth Sciences 102. Enrollment restricted to graduate students.

### **292. Seminar (no credit).**

Weekly seminar on various topics attended by faculty, graduate, and upper-division undergraduate students.

### **296. Teaching in Ocean Sciences (2 credits).**

For new and/or relatively inexperienced graduate students in pedagogy of ocean sciences. Role and responsibilities

of teaching in ocean sciences described and developed. Includes discussions about effective teaching methods; hands-on issues for work in the laboratory; university expectations; and regulations regarding teaching, organizational strategies, time management, and working with instructors and staff. Prerequisite(s): graduate standing or permission of instructor. Enrollment restricted to graduate students.

## **Philosophy**

### **9. Introduction to Logic.**

A study of correct reasoning, concentrating on developing the skills necessary to distinguish logically correct from logically incorrect arguments. The emphasis is on modern symbolic logic, although the traditional theory of the syllogism is also covered. (General Education Code(s): IH, Q.)

### **11. Introduction to Philosophy.**

An introduction to the main areas of philosophy using both classic and contemporary sources. Focuses on central and enduring problems in philosophy such as skepticism about the external world, the mind-body problem, and the nature of morality. (General Education Code(s): IH.)

### **26. Existentialism and After.**

A survey of recent movements in European thought, such as phenomenology, existentialism, hermeneutics, critical theory, continental feminism, and poststructuralism, with some attention to their 19th-century precursors. Selections from major philosophical treatises are supplemented with literary works. (General Education Code(s): IH.)

### **80G. Bioethics in the 21st Century: Science, Business, and Society.**

Serves science and non-science majors interested in bioethics. Guest speakers and instructors lead discussions of major ethical questions having arisen from research in genetics, medicine, and industries supported by this knowledge. (Also offered as Biomolecular Engineering 80G. Students cannot receive credit for both courses.) (General Education Code(s): T2-Natural Sciences.)

### **91. Ancient Greek Philosophy.**

A study of Socratic method, of Platonic metaphysics, epistemology, and ethical theories, and of Aristotle's moral and political views through intensive reading of selected Platonic dialogues and Aristotelian texts.

### **108. Nineteenth-Century Philosophy.**

A study of some European philosophers of the 19th century, with particular attention to Hegel, Schopenhauer, and Nietzsche. Prerequisite(s): one course in philosophy.

### **110. Heidegger.**

A close study of early and late texts by Martin Heidegger, especially Being and Time. Prerequisite(s): two courses in philosophy.

### **114. Probability and Confirmation.**

Studies the philosophical foundations of probability, induction, and confirmation. Different interpretations of probability studied, and solutions to various problems and paradoxes investigated. Students cannot receive credit for this course and course 214. Prerequisite(s): course 9.

### **125. Philosophy of Science.**

An examination of various topics that arise in thinking about science. Different philosophical problems, such as realism, instrumentalism, confirmation, explanation, space and time, and rational decision making are extensively discussed and criticized.

**140. History of Ethics.**

A careful study of any one or a number of select primary texts in the history of moral philosophy, with some emphasis on the relation to contemporary issues.

**180H. Philosophy Colloquia (2 credits).**

A colloquia series that sponsors four speakers each quarter. Students required to attend all colloquia and class meetings and encouraged to form discussion groups after each lecture. Enrollment restricted to philosophy majors. May be repeated for credit.

**190W. History of Consciousness.**

Historical study of philosophical theories of consciousness and self-consciousness. Problems include the relation of self and other, consciousness and body, and self-consciousness and ethical agency. Readings will be selected from some of the following: Kant, Hegel, Nietzsche, and Heidegger, followed by phenomenologists, poststructuralists, and analytic philosophy. Enrollment restricted to junior and senior philosophy majors. Enrollment limited to 10.

**190Y. Insults and Intentions.**

Schoolyard wisdom about “sticks and stones” does not take one very far: insults not only take the form of words, and even words have effects; popular as well as standard legal distinctions between speech and conduct are, at least, as problematic as helpful. Questions to be addressed include, What kind of injury is an insult? Is its inflection determined by the insulter or the insulted? Philosophical, anthropological, psychoanalytical, and legal approaches to questions emphasized. Enrollment restricted to juniors and seniors. Enrollment limited to 22.

**201. First Quarter Seminar.**

First quarter required course for philosophy graduate students. Introduces the work of the philosophy faculty members to the new graduate students. Helps new students form a cohort. Each week different faculty members will visit the class and discuss materials of their own as well as materials or topics that they study. Enrollment restricted to graduate philosophy majors.

**214. Probability and Confirmation.**

Studies the philosophical foundations of probability, induction, and confirmation. Different interpretations of probability studied, and solutions to various problems and paradoxes investigated. Students cannot receive credit for this course and course 114. Enrollment restricted to graduate students.

**223. Recent European Philosophy.**

Seminar on recent developments in European philosophy, with particular attention to German theorists such as Nietzsche, Heidegger, Gadamer, Horkheimer, Adorno, or Habermas. Theorists such as Sartre, Merleau-Ponty, Derrida, Foucault, Bourdieu, Levinas, Laclau, or Vattimo may be read as well. (Also offered as History of Consciousness 223. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 15. Offered in alternate academic years. May be repeated for credit.

**236. On Insults.**

What is the role of insult in social and legal life (from play to jokes to ritual to war and from blasphemy to defamation to hate speech)? Emphasizes philosophical, anthropological, psychoanalytic, and legal approaches to the issues. (Also offered as Anthropology 236. Students cannot

receive credit for both courses.) Enrollment restricted to graduate students. Enrollment limited to 20.

**290W. History of Consciousness.**

Historical study of philosophical theories of consciousness and self-consciousness. Problems include the relation of self and other, consciousness and body, and self-consciousness and ethical agency. Readings are from Kant, Hegel, Nietzsche, and Heidegger, followed by phenomenologists, poststructuralists, and analytic philosophy. Students cannot receive credit for this course and course 190W. Enrollment restricted to graduate students. Enrollment limited to 10.

**Physical Education**

**5A. Aquatics: Swimming Level I (no credit).**

Coeducational. Water exploration and primary skills development. Course is designed to teach only “non-swimmers” how to swim. The following is taught: Red Cross swimming instruction in overcoming fears, water adjustment, floating, breath holding, and rhythmic breathing. Skills to be learned are: water entries, sculling, treading, elementary backstroke, freestyle, methods of water safety, and survival techniques. Prerequisite(s): instructor determines skill level at first class meeting. Enrollment limited to 15.

**5B. Aquatics: Swimming Level II (no credit).**

Coeducational. Stroke readiness and development. Course is for those who have completed Swimming Level I or who can swim freestyle and demonstrate elementary backstroke. Skills to be learned are underwater swimming, turns, improvement of freestyle and elementary backstroke, beginning side stroke, backstroke, breaststroke, diving, personal safety skills, and basic rescue techniques. Prerequisite(s): instructor determines skill level at first class meeting; pass Swimming Level I course or demonstrate equivalent skills. Students pay a course fee. Enrollment limited to 20.

**5C. Aquatics: Swimming Level III (no credit).**

Coeducational. Stroke refinement and skill proficiency. Course teaches refinement of basic strokes and introduces butterfly, plus backstroke, surface diving, turns, endurance swimming, and survival techniques. Prerequisite(s): instructor determines skill level at first class meeting; pass in Swimming Level II course or possess equivalent skills in freestyle, sidestroke, elementary backstroke, and breaststroke. Enrollment limited to 30.

**5E. Aquatics: Lifeguard Training (LT) (no credit).**

Red Cross certified lifeguard training. Provides the necessary minimum skills training to qualify as a non-surf lifeguard. Certification includes CPR Pro, AED, PDT, D2, ADMIN, and Title 22 First Aid. Candidates must successfully pass final skill tests and written final exam with 80 percent score. Students are billed for a course fee. Prerequisite(s): must have ability to swim 500 yards in ten minutes, tread water for one minute, strong swimming skills in free, back, breast, side, and elementary backstroke; must purchase Red Cross LT text book. Enrollment limited to 20.

**5G. Aquatics: Swimming/Conditioning (no credit).**

Open to all students who wish to explore swimming as a conditioning and fitness exercise. Students should know three competitive strokes, and should be able to swim fifteen minutes without stopping. Short health

and fitness lectures precede some classes. Prerequisite(s): instructor determination at first class meeting. Enrollment limited to 40.

**5R. Aquatics: Basic Scuba Diving (no credit).**

Coeducational. Sections geared toward the successful completion of NAUI Scuba Diver Certification. The course is divided into three parts: lecture, pool lab, and open water experience. Four open water training dives are offered. Emphasis is on training for open water scuba diving, using the beach as a base of operation. Students pay a course fee. Prerequisite(s): pass swimming skills tests and medical clearance. It is strongly recommended that students enroll in course 5S. Enrollment limited to 24.

**5T. Aquatics: Advanced Scuba Diving (no credit).**

Coeducational. Sections are offered to facilitate the development of the basic scuba diver’s open water techniques. A minimum of six open water experiences is offered. Course is geared toward successful completion of NAUI Advanced Scuba Diver Certification. Students pay a course fee. Prerequisite(s): course 5R or pass swimming skills test and medical clearance. Enrollment limited to 25.

**5U. Aquatics: Scuba Instruction (no credit).**

Coeducational. A course designed for the experienced scuba student who wishes to assist with the scuba instruction program at UCSC. Topics covered include teaching techniques, skin and scuba techniques, rescue techniques, and safety procedures. Specialty labs also offered in conjunction with course which cover a variety of diving skills. Students pay a course fee. Students are required to enroll in one lab section per quarter. Supervised teaching experience is also provided. Prerequisite(s): Basic Scuba Certification and special prerequisite checking by instructor. Enrollment limited to 30.

**9B. Boating: Basic Sailing (no credit).**

Coeducational. Introductory course in practical boating safety using 15-foot, two-person sailboats. Satisfactory completion meets prerequisites for intermediate-level sailing courses (dinghy or keelboat). Includes an introduction to rigging, nomenclature, seamanship, proper boat handling techniques, and general boating and aquatic safety. Students pay a course fee. Prerequisite(s): swimming ability. Enrollment limited to 18.

**9C. Boating: Intermediate Sailing (no credit).**

Coeducational. Offered for both dinghy and keelboat. Dinghy section includes a review of basic sailing with an emphasis on the further development and refinement of small boat sailing techniques. Fifteen-foot, two-person sailboats are used. Keelboat section includes an introduction to rigging, handling, and sailing of the heavier displacement Moore-24 sloops. Boating safety and seamanship stressed. Students pay a course fee. Prerequisite(s): course 9B or equivalent skills. Enrollment limited to 16.

**9E. Boating: Competitive Sailing (no credit).**

Coeducational. Instruction and coaching at the advanced sailing level in racing dinghies and keelboats. Emphasis on the physical and mental requirements for racing sailboats and the technical aspects of sail racing. Students will be involved in intercollegiate competition. Prerequisite(s): advanced sailing ability.

**9H. Boating: Intermediate Rowing (no credit).**

Coeducational intermediate course designed to cover more advanced rowing techniques and the skills needed for safe open water rowing. Students pay a course fee.

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Prerequisite(s): basic rowing or permission of instructor. Enrollment limited to 11.

### **9J. Boating: Basic (no credit).**

Coeducational. Course designed to cover types of rowing boats, nomenclature, fundamental skills, and specific safety and rescue aspects related to the activity. Students will row singly as well as in groups using 15-foot to 22-foot rowing dories. Students pay a course fee. Prerequisite(s): swimming ability. Enrollment limited to 12.

### **15B. Court Sports: Basketball (no credit).**

Coeducational. Instruction in fundamentals, offensive and defensive strategies, rules, and conditioning designed primarily for beginning and intermediate level players. Enrollment limited to 20.

### **15H. Court Sports: Racquetball (no credit).**

Coeducational. The beginning section provides an introduction to the basic knowledge and skills involved in this indoor racquet sport. The advanced beginning section continues the development of the basic skills emphasizing increased shot variety and advanced strategy. The intermediate section offers the opportunity for further skill development and introduces more advanced offensive skills. Enrollment limited to 18.

### **15N. Court Sports: Tennis (no credit).**

Coeducational. The beginning section introduces the basics of forehand, backhand, and serve. Advanced beginning section reviews these basics and introduces the volley, overhead, and lob. The intermediate section reviews all stroke mechanics and covers basic singles and doubles strategy. The advanced section includes use of spins, practice principles, detailed stroke analysis, and advanced play situations. Competitive Tennis is a year-long program for members of the intercollegiate tennis teams. Students pay a course fee. Enrollment limited to 24.

### **15T. Court Sports: Volleyball (no credit).**

Coeducational. Beginning/intermediate, intermediate, and advanced sections are offered for students who desire to learn and improve the basic skills, as well as to understand the rules. Competitive section is open to students interested in participation in the UCSC NCAA Women's Volleyball team. Course covers information and practice in all aspects of the competitive volleyball season. Enrollment limited to 25.

### **20A. Dance: Ballet (no credit).**

Coeducational. Sections offered at various technical levels graded from I to III. Emphasis on principles of movement, style, and execution of ballet technique. Section in ballet repertory where advanced students have the opportunity to perform is offered in the spring quarter. Students pay a course fee.

### **20B. Folk Dance International (no credit).**

Coeducational. International folk dance with an emphasis on Balkan and Israeli dances. Sections are also offered periodically in Mexican dance.

### **20C. Dance: Jazz (no credit).**

Coeducational. Sections offered at various technical levels graded from I to III. Exploration of jazz dance emphasizing basic technique, styling, rhythm, and isolations. Jazz and contemporary music is used as accompaniment. Some background in ballet strongly recommended before continuing to Jazz II or III. Section in jazz dance repertory where advanced students have the opportunity to perform is offered in spring quarter. Students pay a course fee. Enrollment limited to 40.

### **20D. Dance: Modern (no credit).**

Coeducational. Sections offered at various technical levels graded from I to III. Emphasis on basic techniques and building phrases of movement. Section in choreography and improvisation offered in spring quarter. Section in dance repertory offered periodically. Students pay a course fee.

### **20F. Dance: Individual Studies in Dance (no credit).**

Coeducational. Designed to give students the opportunity of pursuing their particular interests in the field of dance with the support and direction of a faculty member. Prerequisite(s): instructor determination at first class meeting.

### **25A. Fencing: Épée (no credit).**

Coeducational. Basic instruction in the techniques, strategy, and general methodology of modern épée fencing. Emphasis on épée fencing as a development from the traditional French and Italian dueling sword styles as they have evolved to form the modern electrical épée game. Students pay a course fee.

### **25B. Fencing: Foil (no credit).**

Coeducational. Instruction in modern competitive French-Italian foil techniques for beginning, intermediate, and advanced levels. Emphasis on physical and mental conditioning leading to improved skill in recreational and competitive areas of involvement. Students pay a course fee.

### **25C. Fencing: Sabre (no credit).**

Coeducational. Instruction and practice in basic offensive and defensive skills of modern Hungarian sabre technique. Emphasis on physical and mental conditioning as a foundation for more advanced levels of instruction. Preparation for recreational and competitive involvement. Students pay a course fee.

### **28K. Field Sports: Soccer (no credit).**

Coeducational/Women's. Sections are offered in field soccer and indoor soccer. Instruction in the basic techniques, tactics, laws of the game, and injury prevention for beginners and advanced players. Prerequisite(s): determination at first class meeting.

### **30G. Fitness Activities: Physical Conditioning (no credit).**

Coeducational. An exercise course designed to increase the participants' strength, flexibility, coordination, and cardiovascular endurance. Special attention is given to understanding and utilizing sound and safe principles of body alignment and movement.

### **30H. Fitness Activities: T'ai Chi Ch'uan (no credit).**

Through balanced movement and breath control, T'ai Chi Ch'uan attempts to forestall many processes of aging by cultivating greater strength of body, mind, and spirit.

### **30J. Fitness Activities: Weight Training (no credit).**

Coeducational. An introduction to safe and effective methods of using weight training and other personal conditioning activities. Topics covered include proper weight training techniques, care of body and equipment, and elementary exercise physiology.

### **30L. Fitness Activities: Yoga Exercises (no credit).**

Coeducational. Sections offered at beginning, continuing beginning, and advanced beginning levels of Hatha Yoga.

### **43A. Martial Arts: Aikido (no credit).**

Coeducational. A nonviolent, noncompetitive Japanese martial art emphasizing mind-body harmony, balance, relaxation, and the understanding of vital energy. Aikido self-defense techniques aim toward the creative resolution of conflict and the growth of the individual. Sections offered at beginning and experienced levels.

### **43G. Martial Arts: Tae Kwon Do (Karate) (no credit).**

Coeducational. Sections offered at the beginning and intermediate/advanced levels. Covering basic skills, knowledge, and philosophy of Tae Kwon Do and providing instruction in the following aspects of martial arts study: fundamental techniques of self-defense, physical conditioning, emotional control, self-discipline, and self-confidence. Enrollment limited to 35.

## Physics

### **5A. Introduction to Physics I.**

Elementary mechanics. Vectors, Newton's laws, inverse square force laws, work and energy, conservation of momentum and energy, and oscillations. Corequisite(s): concurrent enrollment in course 5L and Mathematics 19A or 20A is required. (General Education Code(s): IN, Q.)

### **5D. Heat, Thermodynamics, and Kinetics (2 credits).**

Introduction to temperature, heat, and thermal conductivity, ideal gases, the first and second laws of thermodynamics, and an introduction to kinetic theory. Prerequisite(s): courses 5A/L and Mathematics 19B or 20B.

### **5L. Introduction to Physics Laboratory (1 credit).**

Laboratory sequence illustrating topics covered in course 5A. One three-hour laboratory session per week. Prerequisite(s): concurrent enrollment in course 5A is required.

### **6A. Introductory Physics I.**

Elementary mechanics. Vectors, Newton's laws, inverse square force laws, work and energy, conservation of momentum and energy, and oscillations. Physics 6 series is recommended for premedical students. Prerequisite(s): Concurrent enrollment in course 6L required. Corequisite: Mathematics 11A or 19A or 20A. (General Education Code(s): IN, Q.)

### **6C. Introductory Physics III.**

Introduction to electricity and magnetism. Electromagnetic radiation, Maxwell's equations. Physics 6 series is recommended for premedical students. Prerequisite(s): courses 6A/L or 5A/L and Mathematics 11B or 19B or 20B; concurrent enrollment in course 6N required. Corequisite: Mathematics 22 or 23A. Courses 6B/M are suggested. (General Education Code(s): IN, Q.)

### **6L. Introductory Physics Laboratory (1 credit).**

Laboratory sequence illustrating topics covered in course 6A. One three-hour laboratory session per week. Prerequisite(s): Concurrent enrollment in course 6A required.

### **6N. Introductory Physics Laboratory (1 credit).**

Laboratory sequence illustrating topics covered in course 6C. One three-hour laboratory session per week. Prerequisite(s): courses 6A/L or 5A/L; concurrent enrollment in course 6C required; courses 6B/M are suggested.

### **10. Overview of Physics (2 credits).**

One lecture per week providing a descriptive overview of major areas in the discipline. These include fundamental particles, solid state, fluids, nonlinear dynamics, bio-

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physics, and cosmology. Lectures by various faculty with research interests in these fields. The course is suggested for prospective physics majors, or others, before they enroll in the Physics 5 sequence.

### **101A. Introduction to Modern Physics I.**

Special theory of relativity. Early experiments and models in quantum physics. Introduction to concepts and calculations in quantum mechanics, single-electron atoms. Prerequisite(s): courses 5A/L, 5B/M, and 5C/N or 6A/L, 6B/M, and 6C/N.

### **105. Mechanics.**

Particle dynamics in one, two, and three dimensions; conservation laws; small oscillations, Fourier series and Fourier integral solutions; phase diagrams and nonlinear motions; Lagrange's equations; and Hamiltonian dynamics. Prerequisite(s): courses 5A/L, 5B/M, 5C/N, and 116A-B.

### **116C. Mathematical Methods in Physics.**

Legendre polynomials and Bessel functions, partial differential equations and boundary value problems, functions of a complex variable including the residue theorem, integral transforms, Green function techniques, and the delta function. (Formerly course 114B.) Prerequisite(s): courses 5A/L, 5B/M, 5C/N, 116A-B.

### **134. Physics Advanced Laboratory.**

Individual experimental investigations of basic phenomena in atomic, nuclear, and solid state physics. Prerequisite(s): courses 133 and 101B. May be repeated for credit.

### **135A. Astrophysics Advanced Laboratory (3 credits).**

Introduction to techniques of modern observational astrophysics at optical and radio wavelengths through hands-on experiments. Intended primarily for juniors and seniors majoring or minoring in astrophysics. Offered in some academic years as single-term course 135 in fall, depending on astronomical conditions. (Also offered as Astronomy and Astrophysics 135A. Students cannot receive credit for both courses.) Prerequisite(s): course 133 and at least one astronomy course.

### **139B. Quantum Mechanics.**

The principles and mathematical techniques of nonrelativistic quantum mechanics: the Schrödinger equation, Dirac notation, angular momentum, approximation methods, and scattering theory. Offered in fall. Prerequisite(s): courses 101A, 101B, 116A-B-C and 139A.

### **171. General Relativity, Black Holes, and Cosmology.**

Special relativity is reviewed. Curved space-time, including the metric and geodesics, is illustrated using simple examples. The Einstein equations are solved for cases of high symmetry. Black-hole physics and cosmology are discussed, including recent developments. (Also offered as Astronomy and Astrophysics 171. Students cannot receive credit for both courses.) Prerequisite(s): courses 105, 110A, 110B, and 116A-B-C. Offered in alternate academic years.

### **195A. Senior Thesis Research (3 credits).**

A seminar course to help students explore their thesis topics and plan, organize, and develop their theses. Choosing a thesis topic, preparing a work plan for the research, assembling an annotated bibliography, and writing a draft outline of the thesis. Students must complete 5 credits in the 195 series to satisfy the writing intensive (W) general education requirement.

### **210. Classical Mechanics.**

Generalized coordinates, calculus of variations, Lagrange's equations with constraints, Hamilton's equations, applications to particle dynamics including charged particles in an electromagnetic field, applications to continuum mechanics including fluids and electromagnetic fields, introduction to nonlinear dynamics. Enrollment restricted to graduate students only, except by permission of instructor.

### **212. Electromagnetism I.**

Electrostatics and magnetostatics, boundary value problems with spherical and cylindrical symmetry, multipole expansion, dielectric media, magnetic materials, electromagnetic properties of materials, time-varying electromagnetic fields, Maxwell's equations, conservation laws, plane electromagnetic waves and propagation, waveguides, and resonant cavities. Enrollment restricted to graduate students only, except by permission of instructor.

### **217. Quantum Field Theory I.**

Lorentz invariance in quantum theory, Dirac and Klein-Gordon equations, the relativistic hydrogen atom, Green functions and canonical approach to field theory, quantum electrodynamics, Feynman diagrams for scattering processes, symmetries, and Ward identities. Students learn to perform calculations of scattering and decay of particles in field theory. Prerequisite(s): course 216. Enrollment restricted to graduate students only, except by permission of instructor.

### **221A. Introduction to Particle Physics I.**

First quarter of a two-quarter graduate level introduction to particle physics, including the following topics: discrete symmetries, quark model, particle classification, masses and magnetic moments, passage of radiation through matter, detector technology, accelerator physics, Feynman calculus, and electron-positron annihilation. Prerequisite(s): course 217 or concurrent enrollment. Enrollment restricted to graduate students only, except by permission of instructor.

### **231. Introduction to Condensed Matter Physics.**

Crystal structures, reciprocal lattice, crystal bonding, phonons (including specific heat), band theory of electrons, free electron model, electron-electron and electron-phonon interactions, transport theory. Prerequisite(s): course 216. Enrollment restricted to graduate students only, except by permission of instructor.

### **292. Seminar (no credit).**

Weekly seminar attended by faculty and graduate students. Directed at all physics graduate students who have not taken and passed the qualifying examination for the Ph.D. program. Enrollment restricted to graduate students only, except by permission of instructor.

## **Politics**

### **1. Democratic Politics.**

Systematic introduction to the nature of politics and government, organized around the dynamic relationship between power, principle, and process in democratic politics. Provides historic and contemporary overview; explores the interactions among government, laws, and societies at the national and international levels. (Formerly *Politics: Power and Principle*.) (General Education Code(s): IS.)

### **73. Sovereignty and Intervention.**

Beginning with the basic concept of state sovereignty, explores ways in which different types of intervention prob-

lematize and compromise state sovereignty, particularly in the Third World. Examines the dis/incentives behind military, economic, humanitarian and cultural interventions, their un/intended consequences, and their ethical controversies. (General Education Code(s): IS.)

### **103. Feminist Interventions.**

Situates ongoing debates around feminist theory and practice within the context of political theory, the role of the state, and the position of women in contemporary (predominantly Western) society. Engages with classical political theory, second wave feminism, and the role of the state on matters pertaining to pornography and prostitution. Enrollment restricted to politics, legal studies, and Latin American and Latino studies/politics combined majors during priority enrollment only.

### **105B. Early Modern Political Thought.**

A study of the republican and liberal traditions of political thought and politics. Authors studied include Machiavelli, Hobbes, Locke, and Rousseau. Examination of issues such as political corruption, community, authority, "scientific" politics, property, equality, and justice. (Formerly offered as *Modern Political Theory*.) (Also offered as Legal Studies 105B. Students cannot receive credit for both courses.) Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only.

### **107. After Evil: Political Morality of Survivorship and Recovery.**

What are the continuing relationships between victims, perpetrators, and beneficiaries of a past that is recognized as evil? Focus on contrast between the competing moral logics of struggle and reconciliation, and various rationales for allowing beneficiaries to keep their gains in order to bring closure to the past. Topics include post-slavery U.S., post-apartheid South Africa, post-genocide Rwanda, post-Holocaust Germany/Israel, post-authoritarian Latin America, and post-Soviet Eastern Europe. Theoretical perspectives drawn from law, philosophy, theology, and psychoanalysis. (Also offered as Legal Studies 107. Students cannot receive credit for both courses.) Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only.

### **109. Orientalism.**

Studies "Orientalism" as a concept of political theory and as a historical practice. Considers political, intellectual, and aesthetic projects of 18th- and 19th-century Orientalists. Considers contemporary themes of Orientalism and uses these concepts to examine current political discourse. Enrollment restricted to politics and politics/Latin American Latino studies combined majors during priority enrollment only.

### **112. Women and the Law.**

Interdisciplinary approach to study of law in its relation to category "women" and production of gender. Considers various materials including critical race theory, domestic case law and international instruments, representations of law, and writings by and on behalf of women living under different forms of legal control. Examines how law structures rights, offers protections, produces hierarchies, and sexualizes power relations in both public and intimate life. (Also offered as Feminist Studies 112. Students cannot receive credit for both courses.) Enrollment restricted to politics, feminist studies, legal studies, and Latin American and Latino studies/politics combined majors during priority enrollment only.

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### **120C. State and Capitalism in American Political Development.**

Examines the relationship between state and economy in the U.S. from the 1880s to the present, and provides a theoretical and historical introduction to the study of politics and markets. Focus is on moments of crisis and choice in U.S. political economy, with an emphasis on the rise of regulation, the development of the welfare state, and changes in employment policies. (Also offered as Legal Studies 120C. Students cannot receive credit for both courses.) Enrollment restricted to politics, Latin American and Latino studies/politics, and legal studies majors during priority enrollment only. Satisfies American History and Institutions Requirement.

### **140C. Latin American Politics.**

Overview of major approaches to the study of Latin American politics. Introductory survey of historical and contemporary democratic, populist, authoritarian, and revolutionary regimes. Special attention to local, national, and global forces shaping development strategies and public policies; changing institutional arrangements and shifting discourses of domination; and social movements and strategies of resistance among subaltern social groups and classes. Students cannot receive credit for this course and course 241. Enrollment restricted to politics, Latin American and Latino studies, and politics/Latin American and Latino studies combined majors during priority period. (General Education Code(s): E.)

### **142. Russian Politics.**

Historical-political survey of Russia within the U.S.S.R. is followed by examination of the 1991 revolution, the attempt to recover a national identity and establish a unified Russian state. Topics familiar in the study of politics—movements, parties, institutions, processes—are featured.

### **149. Democratic Transitions.**

Explores democratization processes from a variety of historical and geographical perspectives. Examines the role of foreign influences, the economy, culture, leadership and institutions in the transition, consolidation and evolution of democratic systems. Enrollment restricted to politics and Latin American and Latino studies/politics majors during priority enrollment only.

### **160A. International Politics. W**

Upper-division introduction to international relations, international organizations, international political economy, foreign policy, conflict, and war. Explores a range of theories, issues, and cases that are of interest to students of international affairs and are helpful in understanding recurring patterns of global conflict and cooperation. Addresses the nexus between domestic politics and the foreign policy of states. Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only.

### **174. Global Environment Politics.**

Focus on global environmental “problematique” and how it is being played out in a variety of political arenas. Includes technical overview of global environmental movement; perspectives on alternative political approaches to environmental problems. Enrollment restricted to politics and Latin American and Latino studies/politics combined majors during priority enrollment only.

### **190D. Early Anarchist and Socialist Thought.**

Studies in 19th- and early 20th-century anarchist and socialist thought. Themes covered include Catholicism,

Darwinism, property and the state, and organizing labor. Readings drawn from Bakunin, Chernyshevsky, Goldman, Fourier, Kropotkin, Proudhon, Saint-Simon, and Stirner. Enrollment restricted to senior politics and Latin American and Latino studies/politics combined majors. Enrollment limited to 20.

### **190L. Welfare Policy and Politics.**

Examines theoretical, historical, and contemporary empirical materials about the structure and impact of welfare policy and the politics of welfare reform. Enrollment restricted to senior politics and Latin American and Latino studies/politics combined majors during priority enrollment only; major restrictions will be lifted during open enrollment. Enrollment limited to 20.

### **190W. Living in the Aftermath of Evil.**

Draws on a variety of sources to understand metaphors of war and peace as potentially appropriate attitudes toward evil and as potentially rational compromises with evil; investigates respects in which constitutional regimes of post-traumatic societies can be understood as “peace programs” that preserve and transcend the identities of the victims and perpetrators of past atrocities while creating a new identity based on their common survivorship; explores the constraints placed on “nation in recovery” by the public commitment to create an official version of a past that must be remembered so that it will not be repeated. Prerequisite(s): one of the following: course 105A, 105C, 110, or 111. Enrollment restricted to senior politics and Latin American and Latino studies/politics combined majors during priority enrollment only. Enrollment limited to 20.

### **200B. Social Forces and Political Change Core Seminar.**

Concerns transformation of social forces into political ones. Focuses on formation, articulation, mobilization, and organization of political interests and identities, their mutual interaction, and their effects on state structures and practices and vice versa. Major themes are 1) social bases of political action: class, gender, race, and other determinants of social division and political identity and 2) relevant forms of political agency and action, including development of political consciousness and representation of interests and identities in the public sphere. Enrollment restricted to graduate students. Enrollment limited to 15.

### **232. United States Political History.**

Covers several important themes and sets of readings from the literature on American political development. Topics include the origins and development of American political institutions, the evolution of democratic mechanisms, the rise and fall of social movements, and debates about the sources of policy regimes and political change, including the role of war. Enrollment restricted to graduate students. Enrollment limited to 15.

### **291. Teaching Assistant Seminar (2 credits).**

Two-hour weekly seminar required of teaching assistants in which pedagogic and substantive issues will be considered. The experience of performing teaching assistant duties constitutes subject matter for discussion. Students submit petition to sponsoring agency. May be repeated for credit.

## Portuguese

### **1A. Intensive Elementary Portuguese.**

Intensive instruction in elementary Portuguese, emphasizing oral proficiency as well as reading and writing skills.

Taken together, courses 1A and 1B are equivalent to first-year instruction. Enrollment limited to 25

### **60A. Advanced Beginning and Intermediate Portuguese.**

This sequence is designed for students with an equivalent of four quarters of college level study of Portuguese, Spanish, French, Italian, or Catalan or for native speakers of these Romance languages (with the exception of native speakers of Portuguese). Prepares students in all language skills. Prerequisite(s): Spanish 4 or Spanish for Spanish Speakers 64 or French 4 or Italian 4 or placement by examination.

### **65B. Intermediate Portuguese.**

A systematic grammar review is combined with literacy and cultural readings, while communicative exercises focus on improving students' ability to understand and hold sustained conversations. Students expand their vocabulary and knowledge of Brazil and other Portuguese-speaking cultures through films and group projects. Fulfills EAP language requirement. Prerequisite(s): course 65A or by instructor approval. (General Education Code(s): IH.)

## Psychology

### **1. Introduction to Psychology.**

Introduces prospective majors to the scientific study of behavior and mental processes and also provides an overview for non-majors. Emphasizes social, cognitive, developmental, and personality psychology and their interrelations. (General Education Code(s): IS.)

### **2. Introduction to Psychological Statistics.**

An introduction to elementary statistical principles and techniques relevant to psychological research. Topics covered include basic parametric and nonparametric statistics, analysis of variance, and simple factorial designs. This course is prerequisite to course 181. Prerequisite(s): course 1, and Applied Mathematics and Statistics 3 or Mathematics 3 or 11A or satisfactory placement score on math placement exam or CEEB Advanced Placement Calculus AB exam. (General Education Code(s): Q.)

### **3. Research Methods in Psychology (7 credits).**

An introduction to research methods used to investigate human psychology. Course emphasizes critical thinking, designing and conducting research, analyzing and interpreting data, and writing a professional research report. Prerequisite(s): course 2 or Applied Mathematics and Statistics 5. Enrollment restricted to prepsychology majors; minors by permission of instructor.

### **10. Introduction to Developmental Psychology.**

Psychological development from birth to adolescence, with primary emphasis on infancy and childhood. A broad introduction to the nature of change during childhood and adolescence and to theories of development. Prerequisite(s): course 1. Enrollment restricted to prepsychology majors.

### **20. Introduction to Cognitive Psychology.**

Introduces basic concepts in cognitive psychology. Topics include thinking, consciousness, perceiving, language, remembering, reasoning, problem solving, and decision-making. Prerequisite(s): course 1.

### **40. Introduction to Social Psychology.**

An analysis of contemporary research in social psychology and of what that research can teach us about the world we live in. Problems of conformity, propaganda, prejudice, attraction, and aggression. Focuses on a person's relationship

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with other people—how he or she influences them and is influenced by them. Prerequisite(s): course 1.

### **80A. Psychology and Religion.**

Topics covered include myth and the unconscious, the varieties of religious experience, dualism, women and religion, the role of authority, transpersonal experience, conversion, disaffiliation, self and community. (General Education Code(s): T3-Social Sciences.)

### **107. Development in Infancy.**

Focuses on psychological development in infancy. Presents research on perceptual, cognitive, and social-emotional development during the first two years of life. Prerequisite(s): courses 3 and 10.

### **109. Adult Development and Aging.**

An introduction to cultural, biological, interpersonal, and cognitive processes that influence adult development and aging. Students discuss how each of these processes promotes stability and change during adulthood. Prerequisite(s): courses 3 and 10.

### **115. Current Topics in Personality and Developmental Psychology.**

Examines a special topic of current interest in personality and/or developmental psychology, such as attachment, self-images, self-narratives, motivation, longitudinal studies, systematic descriptions of contexts, and special topics in adolescence. Emphasizes conceptual and methodological issues. Course satisfies seminar requirement. Prerequisite(s): course 60. Enrollment restricted to senior psychology majors. Enrollment limited to 30.

### **117. Children's Thinking.**

Cognition in children from infancy through adolescence. Basic and current research on children's understanding of the social and physical world. Focus on major theoretical perspectives: Piaget's constructivist approach, information processing approach, and sociocultural approach. Prerequisite(s): courses 3 and 10.

### **120D. Deafness and Sign Language.**

Explores what can be learned about human cognition by studying the atypical case of sensory loss and language in a different sensory modality. Topics include brain organization, sensory compensation, working memory, visual cognition, and psycholinguistics. Satisfies seminar requirement. Prerequisite(s): course 20 or an upper-division cognitive course strongly recommended. Enrollment restricted to senior psychology majors and minors. Enrollment limited to 30.

### **120F. The Psychology of Lying and Deception.**

Discusses why and how people lie. Using scientific articles, movies, and our everyday lives as source material, explores the nature of lying; then focuses on various approaches to behavioral and mechanical "lie detection." Students cannot receive credit for this course and course 130B. Satisfies seminar requirement. Enrollment restricted to senior psychology majors. Enrollment limited to 30.

### **126. Aging and the Human Brain.**

How does the brain change as we age? Course covers new developments in research in cognitive neuroscience and aging, with a focus on the consequences for memory, emotion, and decision-making. Prerequisite(s): course 20, 121, 123, 129 or Biology 70.

### **135. Feelings and Emotions.**

Focuses on contemporary research in the psychology of human emotions. Special attention given to work in cognitive science, including psychology, linguistics, phi-

losophy, and anthropology, on how emotions are central to understanding human action and mental life. Enrollment restricted to psychology, linguistics, philosophy, and anthropology majors.

### **139. Decision Making and Problem Solving.**

Course goal is to support the development of reflective thought to provide students with a more complete set of skills (psychological literacy). Various problem-solving and decision-making scenarios will be presented and analyzed within the context of cognitive psychology. Prerequisite(s): course 3 or permission of instructor.

### **140A. Women's Lives in Context: Community Practicum (2 credits).**

Provides link between course 140G and community organizations that work with women. Students complete internships with relevant agencies and participate in seminar meetings. Concurrent enrollment in course 140G required. Enrollment limited to 20.

### **140G. Women's Lives in Context.**

Examines contemporary theories, findings, and social issues regarding the psychology of women. Emphasis is placed on understanding how gender, class, race, ethnicity, and sexuality shape women's experiences across the lifespan. Students cannot receive credit for this course and course 41. (Formerly *Psychology of Women*.) Enrollment restricted to junior and senior psychology, women's studies, sociology, and community studies majors.

### **140P. Psychology of Sexual Aggression.**

An overview of psychological theory and research related to sexual aggression, focusing on both perpetration and victimization. Includes a discussion of the social construction of masculinity and femininity, media representations of sexual violence, and alternative (non-aggressive) visions of sexuality. Course satisfies seminar requirement. Enrollment restricted to senior psychology or women's studies majors or permission of instructor. Enrollment limited to 30.

### **141. Consumer Psychology.**

An advanced course on the social psychology of consumption. Topics include history of consumerism, consumer needs, market segmentation, advertising effectiveness, pricing, distribution channels, product design, and ethical issues of consumerism. Course satisfies seminar requirement. Enrollment restricted to junior and senior psychology and business management economics majors. Enrollment limited to 30.

### **169. Community Mental Health.**

Examines theory and research on outreach and prevention for use with various populations in community settings (e.g., victims of violence, immigrants, severely mentally ill); presents characteristics of successful agency and agency development. Surveys prevention and intervention models currently used in community psychology. (Formerly, *Community Psychology*.) Prerequisite(s): course 3.

### **170. Abnormal Psychology.**

Survey of theory and research on the nature of behavioral disorders. Covers psychological, biological, developmental, and socio-cultural approaches. Prerequisite(s): course 1 or 60; course 60 highly recommended as preparation.

### **171. Childhood Psychopathology.**

A critical and intensive exploration of a wide variety of specific disorders within their biological, developmental, and social contexts. Concepts of psychopathology in childhood, major and minor diagnostic systems, and a variety

of theories of etiology are explored. General intervention strategies and a wide range of specific psychotherapy systems for treatment are closely examined and demonstrated. Prerequisite(s): courses 3, 10, and 170.

### **191A. Introduction to Psychology.**

Students lead discussion groups and provide one-to-one tutoring for course 1. Admission requires essay describing interest in becoming a course assistant, copies of psychology evaluations, and a letter of recommendation from a psychology faculty member; completion of some upper-division psychology courses prior to enrollment in this course. Enrollment restricted to psychology majors. Enrollment limited to 20.

### **194A. Advanced Developmental Research.**

Provides students with intensive experience conducting current research in developmental psychology. Students submit petition to sponsoring agency. May be repeated for credit.

### **194B. Advanced Cognitive Research.**

Provides students with intensive experience conducting current research in cognitive psychology. Students submit petition to sponsoring agency. May be repeated for credit.

### **194C. Advanced Social Research.**

Provides students with intensive experience conducting current research in social psychology. Students submit petition to sponsoring agency. May be repeated for credit.

### **204. Quantitative Data Analysis.**

Intermediate statistical methods widely used in psychology (e.g., n-way, ANOVA, ANCOVA, multiple-comparisons, repeated-measures, nested-designs, correlational analyses, bivariate regression), corresponding SAS programs, and elements of measurement theory. Enrollment restricted to graduate students. Enrollment limited to 20.

### **211A. Proseminar: Social Justice and the Individual.**

Provides an introduction to social psychology, focusing on various individual-level social justice topics, including the self, social comparison, individual and collective identity, social historical and social structural determinants of behavior and various policy and social change-related issues. Enrollment restricted to psychology graduate students; undergraduates planning graduate work in social psychology may enroll with permission of instructor. Enrollment limited to 20. (Formerly *Proseminar: The Person as Social Being*.)

### **222. Topics in Lexical Organization.**

The recognition of words is a critical step in natural language processing. Discusses a range of contemporary issues related to the representation of a word and the access of this information from the perspective of psychology, linguistics, and artificial intelligence. Enrollment restricted to psychology graduate students; undergraduates who have completed course 124 may enroll with permission of instructor. Enrollment limited to 10.

### **224A. Proseminar: Cognitive I.**

A proseminar reviewing current topics in cognitive psychology, designed to introduce new graduate students to the field. Enrollment restricted to psychology graduate students. Enrollment limited to 10.

### **225A. Introduction to Developmental Research I.**

Surveys the rationale and techniques of research in developmental psychology. Students build skills in evaluating

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published research, in translating theoretical ideas into researchable hypotheses, and in selecting appropriate research designs, measurement, and statistical approaches for research problems. Enrollment restricted to psychology graduate students or with instructor's permission.

**230. Research in Cognitive Psychology Seminar.** Seminar to study, critique, and develop research in perception and cognition, including topics in psychobiology, psycholinguistics, and memory. Enrollment restricted to psychology graduate students. May be repeated for credit.

**231. Research in Social Psychology Seminar.** Seminar to study, critique, and develop research in social psychology. Enrollment restricted to psychology graduate students. May be repeated for credit.

**242. Research in Developmental Psychology Seminar.** Seminar to study, critique, and develop research in developmental psychology. Enrollment restricted to psychology graduate students. May be repeated for credit.

**244A. Proseminar I: Cognitive and Language Development.** Explores major theories and research in the fields of cognitive development and language development. Begins with classic theories, such as Piaget's theory of cognitive development, and proceeds to theories and research on topics of current interest, such as the relation between culture and cognitive and language development. Enrollment restricted to graduate students.

**246. Cultural Diversity in Human Development.** Focuses on issues of culture and ethnicity in our theoretical and empirical understanding of human development. Particular attention paid to issues of language, culture, and socialization as they relate to social institutions, such as education, that affect children and families. Enrollment restricted to graduate students. Enrollment limited to 20.

**290B. Advanced Developmental Research and Writing (2 credits).** Tailored to graduate students' interests among topics involving research and scholarship in sociocultural approaches to development, methods for research design, data collection, coding, and analysis, and preparing and reviewing grant proposals and journal manuscripts. Multiple-term course; students receive 6 credits in the third quarter of attendance; the performance evaluation and grade submitted for the final quarter applies to all three quarters. Enrollment restricted to graduate students. May be repeated for credit.

**290C. Professional Development (3 credits).** Designed to aid advanced psychology graduate students with development of competence in professional activities (e.g., preparing a vita, making job and conference presentations, submitting and reviewing manuscripts and grant proposals, professional communication, career decisions). Multiple-term course; students receive 6 credits in the second quarter of attendance; the grade and evaluation submitted for the final quarter applies to the previous quarter. Enrollment restricted to advanced psychology graduate students. May be repeated for credit.

### Russian

**1. Instruction in the Russian Language.** Aural comprehension, speaking, reading, and writing.

Recitation and laboratory. Elementary sequence (1-2-3) begins in the fall quarter only.

**4. Intermediate Russian.** Second-year courses designed to improve functional competence in speaking, listening, reading, and writing by activating basic grammar covered in introductory courses. Grammatical explanations and exercises supplemented with short readings and films. Prerequisite(s): course 3; or permission of instructor. (General Education Code(s): IH.)

### Science Communication

**201A. Reporting and Writing Science News.** A survey of the conventions of newspaper journalism and the special application of those conventions to scientific and technological subjects. Enrollment restricted to graduate students formally accepted into the writing track of the Science Communication Program. Enrollment limited to 10.

**202. Writing and Editing Workshop.** Theory and practice of writing, editing, and conceiving illustrations for articles on scientific, medical, environmental, and technological subjects for newspapers, magazines, and special publications directed at non-technical readers. Enrollment restricted to graduate students formally accepted into the writing track of the Science Communication Program. Enrollment limited to 10. May be repeated for credit.

### Social Documentation

**200. Approaches to Social Documentation.** Comprehensive review and analysis of documentary strategies aimed at societal critique and social change, evaluating changes in argument, evidence, and process over development of the discipline. Enrollment restricted to social documentation graduate students. Enrollment limited to 15.

**202. Practice of Social Documentary.** Provides basic skills in social documentary genres including video, audio, and photography and discusses how to apply social scientific research and methodology in the context of these processes. A concurrent media lab is required. Enrollment restricted to social documentation graduate students. Enrollment limited to 15.

**294A. Production/Analysis/Editing.** Workshop seminar oriented toward actual fieldwork and production of the thesis project in the student's chosen genre. Techniques of collection and recording, analysis, preparation, and editing taught. Enrollment restricted to social documentation graduate students. Enrollment limited to 15.

### Social Sciences

**194A. UCDC Internship and Internship Seminar.** A 20- to 25-hour per week internship in a Washington, D.C. government, non-profit, or private institution, consistent with availability and student's interests. In addition, weekly attendance at required seminar which stresses institutional analysis, development of bibliographic material using Washington resources, and participant-observer skills. Required for participants in the UCDC program. Enrollment restricted to students participating in the UCDC Program. Enrollment limited to 22.

### 194B. UCDC Internship and Internship Seminar.

A 20- to 25-hour per week internship in a Washington, D.C. government, non-profit, or private institution, consistent with availability and student's interests. In addition, weekly attendance at required seminar which stresses institutional analysis, development of bibliographic material using Washington resources, and participant-observer skills. Required for participants in the UCDC program. Enrollment restricted to students participating in the UCDC Program. Enrollment limited to 22.

### Sociology

**1. Introduction to Sociology.** A systematic study of social groups ranging in size from small to social institutions to entire societies. Organized around the themes of social interaction, social inequality, and social change. Fulfills lower-division major requirement. (General Education Code(s): IS.)

**15. World Society.** Introduction to comparative and historical sociology. Focuses on the global integration of human society. Examines social changes such as industrialization, globalization, colonial rule, and the rise of Islamic fundamentalism. Uses social theory (including ideas from Marx, Weber, and Adam Smith) to explore the making of institutions like the nation-state, the World Trade Organization, the World Bank, and the International Monetary Fund. Fulfills lower-division major requirement. (General Education Code(s): IS, E.)

**30A. Information Methods for Global Information Internships (3 credits).** Introduction to information technology and communication networks using the Internet to reduce global inequality and bridge the "digital divide." Prepares students enrolled in the Global Information Internship Program to construct web pages and write grant proposals for community and non-governmental organizations. Course 186 recommended but not required. Enrollment limited to 60. May be repeated for credit.

**105A. Classical Sociological Theory.** This intensive survey course examines the intellectual origins of the sociological tradition, focusing on changing conceptions of social order, social change, and the trends observed in the development of Western civilization in the modern era. Readings are all taken from original texts and include many of the classical works in social theory with special emphasis on the ideas of Marx, Weber, and Durkheim which constitute the core of the discipline. Required for sociology majors planning on studying abroad (EAP). Enrollment restricted to sociology, proposed sociology, the combined Latin American and Latino studies/sociology, and the proposed combined Latin American and Latino studies/sociology majors and sociology minors.

**111. Family and Society.** Focuses on the interaction between family and society by considering the historical and social influences on family life and by examining how the family unit affects the social world. Readings draw on theory, history, and ethnographic materials.

**116. Communication and Mass Media.** Examines media institutions, communication technologies, and their related cultural expressions. Focuses on specific ways the media—including media studies and

criticism—operates as social and cultural factor. Contemporary theory or equivalent in related fields recommended. Enrollment restricted to upper-division students.

**119. Sociology of Knowledge.**

Focus includes the following three areas: historical examination of sociological theories of knowledge with reference to Durkheim, Weber, Mannheim, and others; examination of black and feminist perspectives within sociology; examination of whether and how “outside” observers can analytically grasp the inner workings of other cultures. Prerequisite(s): course 103B or 105A or 105B.

**135. Nonverbal Communication.**

Explores varieties of nonverbal communication: facial expressions, tones of voice, personal space and proxemics, gestures, and paralanguage. Readings are drawn from sociology, psychology, and anthropology. Includes films, videotapes, photographs, and audiotapes.

**141. Group Process.**

The study of group development and interpersonal behavior based primarily on observation of the class discussion group. Readings are drawn from psychology and fiction as well as from sociology. Offered in alternate academic years. Enrollment restricted to senior sociology majors. Enrollment limited to 18.

**144. Sociology of Women.**

Analysis of the social significance and social production of gender. Some consideration of how sex differences have developed. Major emphasis on the impact of gender as a categorical imperative in the present social context. In this context, the course is also about sexual segregation, sexual inequality, and the dynamics of interpersonal power. Enrollment restricted to juniors and seniors. An introductory sociology course is recommended.

**166. Economics for Non-Economists.**

Fosters economic literacy among students who are not economics majors but are interested in the political and social ramifications of economic change. Emphasizes economic institutions and policy and is taught by case-study method, which requires active student participation. Enrollment restricted to juniors and seniors. Enrollment limited to 40.

**178. Sociology of Social Problems.**

Views “problems” in society not as given but as social constructs. Examines the ways in which conditions in society become identified and defined as problems and consequences that follow from such a process.

**185. Environmental Inequality.**

Modern society not only assaults nature, it does so in ways that reproduce existing social inequalities. Reviews research on disproportionate exposure to risks and hazards, especially along dimensions of class and race, and examines the environmental justice movement. (Formerly offered as a cross-listed course with Women’s Studies 129. Students cannot receive credit for both courses.) Enrollment restricted to junior and senior sociology and environmental studies students. Course 125 recommended as preparation. Enrollment limited to 42.

**201. The Making of Classical Theory.**

Examines the establishment of “theory” in the discipline of sociology. Introduces students to close readings and analysis of a core selection of social theory. Problematises the construction, maintenance, and reproduction of a theoretical canon in sociology. Enrollment restricted to

graduate students in sociology and by permission number. Enrollment limited to 20.

**203. Sociological Methods.**

Approaches methods as a series of conscious and strategic choices for doing various kinds of research. Introduces students to the epistemological questions of method in social sciences; to key issues in “technique,” particularly control, reliability, and validity; and to good examples of social research. Enrollment restricted to graduate students in sociology and by permission number.

**204. Methods of Quantitative Analysis.**

Students are provided with intuitive explanation of fundamental concepts in statistics and learn how to use statistics to answer sociological questions. Experience and guidance in using computers to efficiently analyze data are provided. Enrollment restricted to graduate students in sociology and by permission number. Enrollment limited to 20.

**225. Political Economy for Sociologists.**

Examines rudiments of historical materialism in light of advances in cultural and ecological Marxism. Basic categories of Marxist political economy. Thematic focus on the “first” and “second” contradictions of capitalism in world economy today. Enrollment restricted to graduate students. Enrollment limited to 15.

**261. Sociology of Knowledge.**

Explores three main issues: the social determination of knowledge, including natural science; the character of intellectual labor and intellectuals as a social group; the role of organized knowledge and “knowledge industries” in contemporary social change. Texts examined include class-based theories (Lukacs, Mannheim, Gramsci), feminist standpoint analysis (Smith, Harding, etc.), and theories of postmodern culture (Lyotard, Harvey, etc.). Enrollment restricted to graduate students. Enrollment limited to 20.

**Spanish**

**1. Instruction in the Spanish Language.**

Speaking, listening comprehension, reading and writing fundamentals. Taught entirely in Spanish; conversational fluency is encouraged through classroom practice and conversation groups, and is supplemented by language laboratory work. Classes are held three days a week; students complete the conversation group work independently of the classroom sessions. Prerequisite(s): Spanish Placement Examination score of 10. Enrollment limited to 26.

**1T. Topic-Oriented Spanish Language Instruction (Special Track).**

Prepares students to understand, speak, and write on topics (geography, nature, society, art, history, etc.) and to provide information about themselves and their surroundings. Emphasis on the development of proficiency in all language skills and the active use of Spanish through task-oriented activities. Multiple-term course; students receive 5 credits per course and receive credit for all three courses upon completion of course 3T. Prerequisite(s): Spanish Placement Examination score of 10. Enrollment limited to 40.

**1U. Laboratory to Topic-Oriented Spanish Language Instruction (2 credits).**

Consists of individualized instruction which allows students to work at their own pace developing their oral comprehension, reading comprehension, speaking and writing skills. Provides the supplementary exposure

and practice students need in the acquisition of the target language. Multiple-term course; students receive credit for all three courses upon completion of course 3U. Prerequisite(s): interview only; Spanish Placement Examination score of 10.

**2. Instruction in the Spanish Language.**

Speaking, listening comprehension, reading and writing fundamentals. Taught entirely in Spanish; conversational fluency is encouraged through classroom practice and conversation groups, and is supplemented by language laboratory work. Classes are held three days a week; students complete the conversation group work independently of the classroom sessions. Prerequisite(s): course 1 or Spanish Placement Examination score of 20. Enrollment limited to 26.

**3. Instruction in the Spanish Language.**

Speaking, listening comprehension, reading and writing fundamentals. Taught entirely in Spanish; conversational fluency is encouraged through classroom practice and conversation groups, and is supplemented by language laboratory work. Classes are held three days a week; students complete the conversation group work independently of the classroom sessions. Prerequisite(s): course 2, 2X, or Spanish Placement Examination score of 30. Enrollment limited to 26.

**4. Intermediate Spanish.**

Includes comprehensive grammar review, composition, readings, and discussion. Reading and audiovisual material deal with various sociopolitical and cultural issues in the Spanish speaking world. Classes are conducted in Spanish. Prerequisite(s): course 3, 3T, 3X, or Spanish Placement Examination score of 40. (General Education Code(s): IH.)

**5. Intermediate Spanish.**

Includes comprehensive grammar review, composition, readings, and discussion. Reading and audiovisual material deal with various socio-political and cultural issues in the Spanish speaking world. Classes are conducted in Spanish. Prerequisite(s): course 4, 4X, *Spanish for Spanish Speakers* 61, or Spanish Placement Examination score of 50. (General Education Code(s): IH.)

**5M. Medical Spanish.**

Students learn vocabulary, expressions, and cultural background to be able to interact with Spanish-speaking patients and doctors. Medical Spanish fulfills language requirement for the health science major of the Biology Department. Prerequisite(s): course 4; *Spanish for Spanish Speakers* 61, 62, 63, or 125; or Spanish Placement Examination score of 50 or higher. Enrollment restricted to health sciences majors. Enrollment limited to 24. (General Education Code(s): IH.)

**6. Intermediate Spanish.**

Increases oral and written proficiency using authentic reading materials which focus on such topics as social class, ethnicity, education, religion, economic, and political developments in the Spanish-speaking world. Prerequisite(s): course 5, 5M, 5X, *Spanish for Spanish Speakers* 62, or Spanish Placement Examination score of 60. Enrollment limited to 24. (General Education Code(s): IH.)

**156F. El humor en Español.**

Topic-oriented language course on sociopolitical and historical issues as seen through humor in different genres and media. Topics include Mafalda and Condorito (comic strips), Rius (collage of comic strips, photographs and original documents), Continflas and Almodovar (cinema),

## PUBLICATIONS UPDATE

El Teatro Campesino (theater), Ana L. Vega (literature), Les Luthiers (song and music). Course deals with written and oral discourse pertaining to the following Spanish language varieties: Rio de la Plata, Mexican, Caribbean, U.S., and Peninsular. Intensive writing and speaking in Spanish. Prerequisite(s): courses 6, 56, *Spanish for Spanish Speakers* 63 or Spanish placement examination score of 70.

### Spanish for Spanish Speakers

#### 61. *Spanish for Spanish Speakers*.

This course deals with orthography (syllabification, accentuation, etc.), basic grammatical features, verbal structures, and development of conversation skills and confidence in spoken Spanish. Focus on development of writing skills: description, dialogue, exposition, and commentary on contemporary issues relevant to Spanish speakers of the Americas. Students need to utilize the Self-Placement Guidelines, available in Crown 122 to assure proper placement in this class. (General Education Code(s): IH.)

### Theater Arts

#### 10. *Introduction to Theater Design and Technology*.

Addresses imagination and creativity. Using the framework of theater production, students explore the process of translating a script into a performance. Topics include visual literacy, creative problem solving, establishing effective working teams, tear sheets, storyboarding, drawing, sound and color theory. This course is a prerequisite for all upper-division design courses. (General Education Code(s): A.)

#### 12. *Production Management*.

Designed to acquaint students with the complexities of staging productions from the audition process to final performance. Directing, lighting, scenic production, sound, cueing, and personnel management are aspects that will be touched upon in class. Students are billed for a materials fee. (General Education Code(s): A.)

#### 14. *Drawing*.

A fundamental course in drawing from still life, the figure, and in the landscape. The approach is from the tonal and volumetric aspects of the object. Color is introduced as the course progresses. Instruction fashioned to the individual needs of the student. The inexperienced are welcomed as well as the experienced. Students are billed for a materials fee. (General Education Code(s): A.)

#### 17. *Costume Construction*.

The process of interpreting a costume designer's sketch into a finished theatrical costume. Some techniques included are dyeing, fabric selection, draping, flat pattern drafting, pattern manipulation, adaptation, fitting, and alteration. Using various techniques, students make basic pattern pieces and learn to modify them to create costumes. Students are billed for a materials fee. Enrollment limited to 20. (General Education Code(s): A.)

#### 20. *Introductory Studies in Acting*.

Introduction to basic acting skills and the problems of performance. Concentrates on expanding the students' range of expression and ability to respond to and analyze dramatic text. Students with little or no experience are encouraged to attend. (General Education Code(s): IH, A.)

#### 21. *Acting Studio I*.

Studio course involves acting exercises based on the Stanislavski principles of acting as well as work on movement,

voice, and interpretation of text. Prerequisite(s): course 20 or permission of instructor. Enrollment limited to 30. (General Education Code(s): A.)

#### 22. *Indonesian Dance and Drama*.

Students learn the basic movement repertoire of the specific characters of the Indonesian dance-drama/puppetry tradition over the quarter with explication of how these types operate in their own cultural context. The course culminates in an open showing of scenework. May be repeated for credit. (General Education Code(s): A, E.)

#### 30. *Introduction to Modern Dance Theory and Technique*.

Intensive instruction in developing the dancer's physical instrument, combined with basic movement theory. May be repeated for credit with consent of instructor. Students are billed for a materials fee. May be repeated for credit. (General Education Code(s): IH, A.)

#### 50. *Fundamentals of Theater Production (2 credits)*.

Work is on various aspects of theatrical production, including scenery, lighting, costumes, sound, stage management, and video documentation. Satisfies the department's technical experience requirement. May be repeated for credit. (General Education Code(s): A.)

#### 55A. *Workshop in Performance: Barnstorm*.

Process-oriented investigation of practical theater production by working in and on productions in the Barnstorm season. Requires a total of 150 hours working backstage or onstage. Admission by audition at first class meeting; see department office for more information. May be repeated for credit.

#### 55B. *Workshop in Performance: Barnstorm Lab (2 credits)*.

Process-oriented investigation of practical theater production by working in and on productions in the Barnstorm season. Requires a total of 50 hours working backstage or onstage. Admission by audition at first class meeting; see department office for more information. May be repeated for credit.

#### 60A. *Development of Theater Arts: Theory, Literature, and Practice*.

The performance practice, history, and theory of drama, dance, and film and video in the modern period are studied in their historical and cultural framework. Particular emphasis given to selected periods from the Greeks to the present. Major theoretical treatises, scripts, scenarios, background readings, and other documents are discussed in relation to the actual performance and staging practices of the period: Greek to the 16th century (theater, drama, dance). (General Education Code(s): IH, A.)

#### 80E. *Stand-Up Comedy*.

American comedy from Mark Twain to present, including popular humor, history, and politics, using comedy from the '20s through the women's gay and civil rights movements. Discussions are based on readings and videos of a wide variety of artists. Students present performances weekly. (General Education Code(s): T4-Humanities and Arts, A.)

#### 80L. *Muppet Magic: Jim Henson's Art*.

The artistic and social impact of the Muppets on American puppetry, children's television, and Hollywood film is explored through viewings, guest lectures, and analysis. Henson's legacy in artistic innovation, mainstreaming of puppet theater for adult audiences, and establishment of

puppetry in media and marketing are also explored. (General Education Code(s): T4-Humanities and Arts, A.)

#### 80Z. *Indian Dance*.

Classical Indian dance will be studied as a performance practice. Understanding of drum syllables and associated steps, religious and sociological context, and mimesis (abhinaya) as well as introduction to epic stories (Ramayana, Mahabharata, Bhagavata Purana) and classical song. (General Education Code(s): T4-Humanities and Arts, A.)

#### 121. *Acting Studio II*.

Continuing concentrated work on basic acting skills and textual analysis through scene study. May be repeated for credit with consent of instructor. Prerequisite(s): admission by audition at first class meeting. See department office for more information. Course 21 recommended as preparation. May be repeated for credit. (General Education Code(s): A.)

#### 124. *Movement for Performers*.

Awareness and extension of personal movement repertoire, through observation, movement experience, and exploration. (General Education Code(s): A.)

#### 126. *Acting Studio III*.

Individual work on acting skills and problems, with emphasis on individual interpretation and scene work with other students. Prerequisite(s): course 121; permission of instructor; audition at first class meeting—contact department office for more information. Enrollment limited to 18. May be repeated for credit. (General Education Code(s): A.)

#### 128. *Choreographic Workshop*.

Intensive upper-division choreographic workshop that begins from the key motifs of historical dance to develop original work. Dancers made available to the student choreographers. Course is a prerequisite for the student-choreographed production *Random With a Purpose*. Prerequisite(s): course 36. Enrollment restricted to theater arts majors. Enrollment limited to 15. (General Education Code(s): A.)

#### 135. *Dance Improvisation and Theory*.

Exploring sources for movement; gaining facility in a wide range of movement elements; working in ensemble and solos. Students are billed for a materials fee. (General Education Code(s): A.)

#### 151. *Studies in Performance (Drama)*.

Studies in theater, taken in connection with participation in a Theater Arts Department sponsored production. Enrollment is limited to those persons chosen to take part in a particular production. Admission by audition; audition schedule to be announced at first class meeting. May be repeated for credit. (General Education Code(s): A.)

#### 157. *Playwriting*.

Students are given the opportunity to write their own scripts and refine them as the result of class discussion and scenework with actors. Work is on specific problems involving such elements as the structuring of a plot or the development of character. Prerequisite(s): satisfaction of the Entry Level Writing and Composition requirements. May be repeated for credit. (General Education Code(s): W,A.)

#### 161P. *Theater in the "Chicano Power" Movement*.

Covers the rise of Teatro Chicano as a cultural-political force within the 1960's "Chicano Power" Movement

## PUBLICATIONS UPDATE

starting with founding playwright Luis Valez and El Teatro Campesino and covering Chicana/o playwrights inspired by the movement, e.g. Cherrie Moraga, Luis Alfaro, and Josefina Lopez. (General Education Code(s): A, E.)

### **214. Sound Design for Theater. F**

Intensive exploration of the aesthetics and technology of sound as a design element in live theatrical applications. Projects cover all phases of the production process. Lectures and hands-on demonstrations prepare the student for real-world system design, playback design, and reinforcement techniques. (Also offered as Digital Arts and New Media 214. Students cannot receive credit for both courses.) Enrollment restricted to graduate students. Upper-division undergraduates may enroll with permission of instructor. Enrollment limited to 15.

### **290. Special Topics and Area Concentration.**

Study group meetings on a regular basis which involve either the study of shared texts or presentations by the group members and invited guests. Enrollment restricted to graduate students in theater arts. May be repeated for credit.

## Writing

### **1. Composition and Rhetoric.**

A basic composition course, which helps students find specific, practical ways of improving every aspect of their writing, through a broadly based consideration of the nature of language from a diversity of perspectives. Prerequisite(s): satisfaction of the Entry Level Writing requirement. Enrollment limited to 25. (General Education Code(s): C.)

### **2. Rhetoric and Inquiry.**

Explores the intersections of investigation, interpretation, and persuasion and hones strategies for writing and research. Students develop specific, practical ways of improving their writing through sustained critical thinking about diverse issues from multiple points of view. Students cannot receive credit for this course and course 1. Prerequisite(s): satisfaction of the Entry Level Writing and C1 requirements. Enrollment limited to 25. (General Education Code(s): C2.)

### **22A. Grammar and Editing Workshop (3 credits).**

Offers instruction on selected topics in grammar and conventions of written English as needed to strengthen the writing skills of students whose primary language is not standard English. Provides students practice in applying these concepts to editing their own writing. Designed for entering first-year students. Enrollment limited to 22.

### **23. Grammar and Rhetoric: Language for Writing.**

Builds on writing skills gained in previous writing courses; focuses on effective language use in academic writing. Students reinforce their written English proficiency by reading, studying, practicing, and writing structures and patterns of written English. Enrollment restricted to first year and sophomore students during priority enrollment; may be opened if space allows. Enrollment limited to 22.

### **169. Theory and Practice of Tutoring Writing.**

An introduction to theory and research on the compos-

ing process and practical strategies for teaching writing, especially in tutorial situations. Recommended for writing assistants. Prerequisite(s): instructor determination at first class meeting; course intended for writing tutors only. Enrollment limited to 30.

## ADVERTISEMENT



# Physical Education Classes

## *Important Information!*

If you are trying to enroll in a physical education class on the MyUCSC portal and the system indicates the class is full—do not despair.

Instead, come to the first day of class. There is a strong possibility that you will be able to enroll at that point.

# Extra! Extra!

*Read all about it  
or  
Download your copy of the:*

**UCSC Policy on Sexual Assault,**

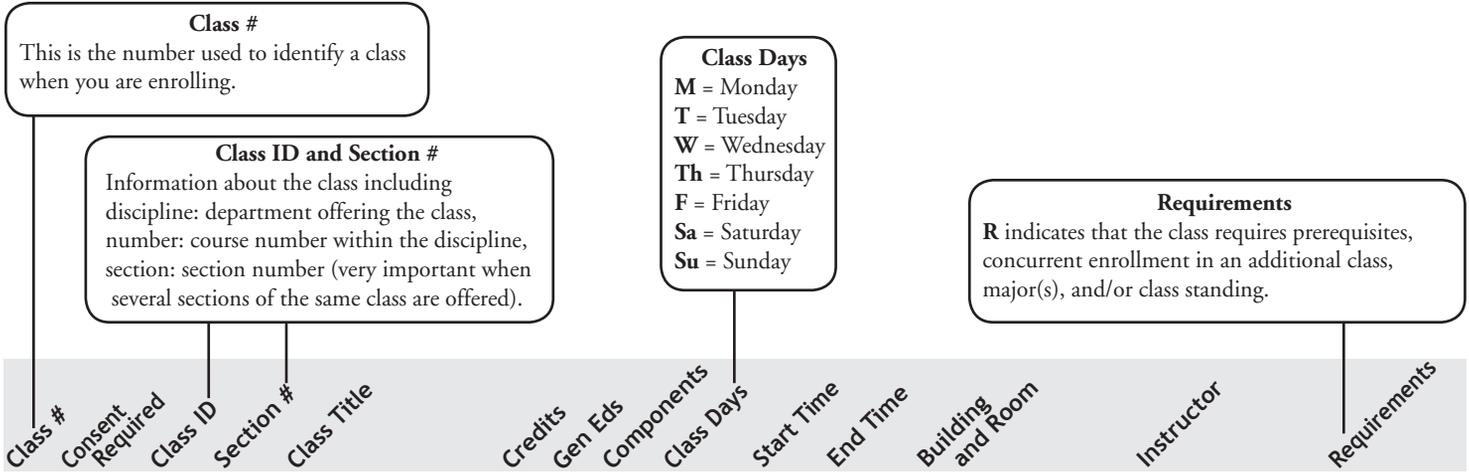
**The University of California  
Policy on Sexual Harassment**

AND

Procedures for Reports of Sexual Assault(s)  
and Sexual Harassment

Online at [www2.ucsc.edu/title9-sh](http://www2.ucsc.edu/title9-sh) e-mail: [rew@ucsc.edu](mailto:rew@ucsc.edu)  
or call the Title IX office for a copy, (831) 459-2462

# Reading the Class Listings



Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
91838	Y	BIOL-75	-01	Sci Diving Cert	2		FLD				Ocean Health 201	Clabuesch, S.R.	R
91840		BIOL-169L	-01	Plant Ecology Lab	5	W	LAB	TTh	01:30P-05:30P		Thimann Lab 203	Parker, I.M.	R
<i>Concurrent enrollment in BIOL 169L is required; taught in conjunction with BIOL 269L</i>													
91842		BIOL-175	-01	Evolution	5		LEC	MWF	11:00A-12:10P		N. Sci Annex 101	Pogson, G.	R
<i>Enroll in lecture and associated discussion section</i>													
91844		BIOL-175	-01A	Secondary Discuss	0		DIS	T	08:30A-09:40A		N. Sci Annex 102	Staff	
91846		BIOL-175	-01B	Secondary Discuss	0		DIS	Th	12:00P-01:10P		N. Sci Annex 102	Staff	
97962		BIOL-187L	-01	Molec Biotech Lab	5		LAB	TTh	08:00A-01:00P		Thimann Lab 215	Zavanelli, M.I.	

**Consent Required**  
Classes that are flagged with a "Y" require additional permission from the department or instructor.

**General Education Codes (Gen Ed)**  
**H** = Intro to Humanities and Arts  
**N** = Intro Natural Sciences  
**S** = Intro Social Sciences  
**C** = Composition Course  
**W** = Writing-Intensive Course  
**Q** = Quantitative Course  
**A** = Arts Course  
**E** = U.S. Ethnic Minorities/Non-Western Society Course  
**Topical Courses**  
**2** = Natural Sciences  
**3** = Social Sciences  
**4** = Humanities & Arts  
**5** = Humanities & Arts or Social Sciences  
**6** = Humanities & Arts or Natural Sciences  
**7** = Natural Sciences or Social Sciences

**Activity Codes**  
**LEC** = Lecture  
**SEM** = Seminar  
**IND** = Individual study  
**LAB** = Primary lab course  
**STU** = Studio  
**FLD** = Field study  
**LBI** = Lab individual study  
**STI** = Studio individual study  
**FLI** = Field individual study  
**DIS** = Secondary discussion section  
**LBS** = Secondary lab  
**LDS** = Discussion for primary lab  
**STS** = Secondary studio  
**FLS** = Secondary field study

**Note**  
This is a reminder that there is an associated discussion section or lab that must also be enrolled in when enrolling for the lecture.

**Check the online schedule for updates, additions, and room assignments for secondary discussions and labs.**

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
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## College Eight

Your college will be enrolling in the appropriate section of the Core course. Upon your arrival at UCSC you can check the course lists posted at College Eight to find your assigned section.

22661	CLEI-80A-01	UD:Environ/Society	5	3CI SEM	MWF	08:00A-09:10A					Eight Acad 242 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22662	CLEI-80A-02	UD:Environ/Society	5	3CI SEM	MWF	08:00A-09:10A					Eight Acad 250 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22663	CLEI-80A-03	UD:Environ/Society	5	3CI SEM	MWF	08:00A-09:10A					Eight Acad 252 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22664	CLEI-80A-04	UD:Environ/Society	5	3CI SEM	MWF	09:30A-10:40A					Eight Acad 242 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22672	CLEI-80A-05	UD:Environ/Society	5	3CI SEM	MWF	09:30A-10:40A					Eight Acad 250 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22673	CLEI-80A-06	UD:Environ/Society	5	3CI SEM	MWF	11:00A-12:10P					Eight Acad 242 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22674	CLEI-80A-07	UD:Environ/Society	5	3CI SEM	MWF	11:00A-12:10P					Eight Acad 250 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22675	CLEI-80A-08	UD:Environ/Society	5	3CI SEM	MWF	12:30P-01:40P					Eight Acad 242 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22676	CLEI-80A-09	UD:Environ/Society	5	3CI SEM	MWF	12:30P-01:40P					Eight Acad 250 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22677	CLEI-80A-10	UD:Environ/Society	5	3CI SEM	MWF	12:30P-01:40P					Eight Acad 252 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22678	CLEI-80A-11	UD:Environ/Society	5	3CI SEM	MWF	02:00P-03:10P					Eight Acad 242 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22679	CLEI-80A-12	UD:Environ/Society	5	3CI SEM	MWF	02:00P-03:10P					Eight Acad 250 Media Theater M110	Staff	R
					M	07:00P-08:45P							
23822	CLEI-80A-13	UD:Environ/Society	5	3CI SEM	MWF	02:00P-03:10P					Eight Acad 252 Media Theater M110	Staff	R
					M	07:00P-08:45P							
23823	CLEI-80A-14	UD:Environ/Society	5	3CI SEM		**To Be Arranged**						Staff	R
					M	07:00P-08:45P					Media Theater M110		
22680	CLEI-80B-01	RI:EnvironmntSociety	5	3C2 SEM	MWF	09:30A-10:40A					Eight Acad 252 Media Theater M110	Staff	R
					M	07:00P-08:45P							
22681	CLEI-80B-02	RI:EnvironmntSociety	5	3C2 SEM	MWF	11:00A-12:10P					Eight Acad 252 Media Theater M110	Staff	R
					M	07:00P-08:45P							
13193	CLEI-90-01	Garden Internship	1	SEM	T	04:00P-05:30P					Eight Garden	Calsoyas,C.	R
21519	CLEI-90-02	Garden Internship	1	SEM	T	04:00P-05:30P					Eight Garden	Gliessman,S.R.	R
	CLEI-99-XXX	Tutorial	5	IND		**To Be Arranged**						Staff	
		See sponsoring agency for class number											
	CLEI-99F-XXX	Tutorial	2	IND		12:00A-12:00A						Staff	
		See sponsoring agency for class number											
	CLEI-195-XXX	Senior Thesis	5	IND		**To Be Arranged**						Staff	
		See sponsoring agency for class number											
	CLEI-198-XXX	Indep Field Study	5	FLI		**To Be Arranged**						Staff	
		See sponsoring agency for class number											
	CLEI-199-XXX	Tutorial	5	IND		**To Be Arranged**						Staff	
	CLEI-199F-XXX	Tutorial	2	IND		**To Be Arranged**						Staff	
		See sponsoring agency for class number											

## College Nine

Students who have not satisfied the Entry Level Writing requirement must enroll in course 80A sections 01 through 06. Students who have satisfied the Entry Level Writing requirement must enroll in course 80A sections 07 through 12. Students who have satisfied the Entry Level Writing and C1 Composition requirements should enroll in course 80B sections 01 through 03.

22780	CLNI-80A-01	UD:Intl/Global Issues	5	3CI SEM	MWF	09:30A-10:40A					Soc Sci 2 171	Staff	R
22781	CLNI-80A-02	UD:Intl/Global Issues	5	3CI SEM	MWF	12:30P-01:40P					Soc Sci 1 153	Staff	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22782		CLNI-80A-03		UD:Intl/Global Issues	5	3C1	SEM	MWF	02:00P-03:10P		Soc Sci 2 171	Staff	R
22783		CLNI-80A-04		UD:Intl/Global Issues	5	3C1	SEM	MWF	09:30A-10:40A		Soc Sci 1 149	Staff	R
22784		CLNI-80A-05		UD:Intl/Global Issues	5	3C1	SEM	MWF	12:30P-01:40P		Soc Sci 1 149	Staff	R
22785		CLNI-80A-06		UD:Intl/Global Issues	5	3C1	SEM	MWF	02:00P-03:10P		Soc Sci 1 149	Staff	R
22786		CLNI-80A-07		UD:Intl/Global Issues	5	3C1	SEM	MWF	09:30A-10:40A		Soc Sci 1 145	Staff	R
22787		CLNI-80A-08		UD:Intl/Global Issues	5	3C1	SEM	MWF	12:30P-01:40P		Soc Sci 1 145	Staff	R
22788		CLNI-80A-09		UD:Intl/Global Issues	5	3C1	SEM	MWF	02:00P-03:10P		Soc Sci 1 145	Staff	R
23868		CLNI-80A-10		UD:Intl/Global Issues	5	3C1	SEM	MWF	12:30P-01:40P		Soc Sci 2 165	Staff	R
23869		CLNI-80A-11		UD:Intl/Global Issues	5	3C1	SEM	MWF	12:30P-01:40P		Soc Sci 2 167	Staff	R
23870		CLNI-80A-12		UD:Intl/Global Issues	5	3C1	SEM	MWF	02:00P-03:10P		Soc Sci 2 167	Staff	R
22790		CLNI-80B-01		RI:Intl/Global Issues	5	3C2	SEM	MWF	09:30A-10:40A		Soc Sci 2 167	Staff	R
22791		CLNI-80B-02		RI:Intl/Global Issues	5	3C2	SEM	MWF	12:30P-01:40P		Soc Sci 2 159	Staff	R
22987		CLNI-80B-03		RI:Intl/Global Issues	5	3C2	SEM	MWF	02:00P-03:10P		Soc Sci 1 153	Staff	R
23919		CLNI-91-01		Global Issues	1		LEC	M	05:00P-06:30P		Soc Sci 2 075	Lipschutz,R.D.	
		CLNI-193-XXX		Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLNI-199-XXX		Independent Study	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLNI-199F-XXX		Independent Study	2		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

## College Ten

*Students who have not satisfied the Entry Level Writing requirement must enroll in course 80A sections 01 through 07. Students who have satisfied the Entry Level Writing requirement must enroll in course 80A sections 08 through 14. Students who have satisfied the Entry Level Writing and C1 Composition requirements should enroll in course 80B sections 01 or 02.*

22792		CLTE-80A-01		UD:Social Justice	5	3C1	SEM	MWF	09:30A-10:40A		Soc Sci 2 141	Staff	R
22793		CLTE-80A-02		UD:Social Justice	5	3C1	SEM	MWF	09:30A-10:40A		Soc Sci 2 363	Staff	R
22794		CLTE-80A-03		UD:Social Justice	5	3C1	SEM	MWF	11:00A-12:10P		Soc Sci 2 171	Staff	R
22795		CLTE-80A-04		UD:Social Justice	5	3C1	SEM	MWF	11:00A-12:10P		Soc Sci 2 141	Staff	R
22796		CLTE-80A-05		UD:Social Justice	5	3C1	SEM	MWF	11:00A-12:10P		Soc Sci 2 363	Staff	R
22797		CLTE-80A-06		UD:Social Justice	5	3C1	SEM	MWF	02:00P-03:10P		Soc Sci 2 141	Staff	R
22798		CLTE-80A-07		UD:Social Justice	5	3C1	SEM	MWF	02:00P-03:10P		Soc Sci 2 363	Staff	R
22799		CLTE-80A-08		UD:Social Justice	5	3C1	SEM	MWF	09:30A-10:40A		Soc Sci 2 159	Staff	R
22800		CLTE-80A-09		UD:Social Justice	5	3C1	SEM	MWF	09:30A-10:40A		Soc Sci 2 165	Staff	R
22801		CLTE-80A-10		UD:Social Justice	5	3C1	SEM	MWF	11:00A-12:10P		Soc Sci 1 153	Staff	R
23914		CLTE-80A-11		UD:Social Justice	5	3C1	SEM	MWF	11:00A-12:10P		Soc Sci 2 159	Staff	R
22802		CLTE-80A-12		UD:Social Justice	5	3C1	SEM	MWF	11:00A-12:10P		Soc Sci 2 165	Staff	R
22803		CLTE-80A-13		UD:Social Justice	5	3C1	SEM	MWF	02:00P-03:10P		Soc Sci 2 159	Staff	R
23873		CLTE-80A-14		UD:Social Justice	5	3C1	SEM	MWF	02:00P-03:10P		Soc Sci 2 165	Staff	R
22804		CLTE-80B-01		RI: Social Justice	5	3C2	SEM	MWF	09:30A-10:40A		Soc Sci 1 153	Staff	R
22805		CLTE-80B-02		RI: Social Justice	5	3C2	SEM	MWF	11:00A-12:10P		Soc Sci 1 145	Staff	R
24003		CLTE-91-01		Introduction Nuclear Policy	1		LEC	W	05:00P-06:30P		Soc Sci 2 075	Hirsch,D.	
		CLTE-193-XXX		Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLTE-193F-XXX		Field Study	2		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLTE-199-XXX		Independent Study	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CLTE-199F-XXX		Independent Study	2		IND		**To Be Arranged**			Staff	

## Cowell College

10514		COWL-70A-01		Bookbinding	5	A	STU	MW	01:00P-04:00P		Cowell Press 123	Staff	
				<i>Also offered as Art 70A; taught in conjunction with ART 111</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
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All Cowell frosh must enroll in a section of Cowell 80A or 80B. To determine if you should enroll in Cowell 80A or 80B, please refer to the core course information mailed to you by the college.

22647		COWL-80A-01		UD: Imagining Justice	5	4C1	SEM	MWF	09:30A-10:40A		Cowell Com 134	Staff	R
22648		COWL-80A-02		UD: Imagining Justice	5	4C1	SEM	MWF	12:30P-01:40P		Cowell Com 134	Staff	R
22649		COWL-80A-03		UD: Imagining Justice	5	4C1	SEM	MWF	09:30A-10:40A		Cowell Acad 113	Staff	R
22650		COWL-80A-04		UD: Imagining Justice	5	4C1	SEM	MWF	12:30P-01:40P		Cowell Acad 113	Staff	R
22651		COWL-80A-05		UD: Imagining Justice	5	4C1	SEM	MWF	09:30A-10:40A		Cowell Com 132	Staff	R
22652		COWL-80A-06		UD: Imagining Justice	5	4C1	SEM	MWF	12:30P-01:40P		Cowell Com 132	Staff	R
22653		COWL-80A-07		UD: Imagining Justice	5	4C1	SEM	MWF	09:30A-10:40A		TBA	Staff	R
22654		COWL-80A-08		UD: Imagining Justice	5	4C1	SEM	MWF	12:30P-01:40P		TBA	Staff	R
22655		COWL-80A-09		UD: Imagining Justice	5	4C1	SEM	MWF	09:30A-10:40A		Cowell Com 133	Staff	R
22656		COWL-80A-10		UD: Imagining Justice	5	4C1	SEM	MWF	12:30P-01:40P		Cowell Acad 216	Staff	R
22657		COWL-80A-11		UD: Imagining Justice	5	4C1	SEM	MWF	09:30A-10:40A		Cowell Acad 222	Staff	R
23875		COWL-80A-12		UD: Imagining Justice	5	4C1	SEM	MWF	12:30P-01:40P		Cowell Acad 222	Staff	R
23876		COWL-80A-13		UD: Imagining Justice	5	4C1	SEM	MWF	09:30A-10:40A		Cowell Acad 216	Staff	R
23877		COWL-80A-14		UD: Imagining Justice	5	4C1	SEM	MWF	09:30A-10:40A		TBA	Staff	R
23878		COWL-80A-15		UD: Imagining Justice	5	4C1	SEM	MWF	12:30P-01:40P		TBA	Staff	R
22658		COWL-80B-01		Rl:Imagining Justice	5	4C2	SEM	MWF	09:30A-10:40A		Cowell Acad 223	Staff	R
22659		COWL-80B-02		Rl:Imagining Justice	5	4C2	SEM	MWF	12:30P-01:40P		Cowell Acad 223	Staff	R
22660		COWL-80B-03		Rl:Imagining Justice	5	4C2	SEM	MWF	09:30A-10:40A		Cowell Com 147	Staff	R
22991		COWL-80B-04		Rl:Imagining Justice	5	4C2	SEM	MWF	12:30P-01:40P		Cowell Com 147	Staff	R
		COWL-93-XXX		Field Study	5		FLI		12:00A-12:00A			Staff	
		COWL-94-XXX		Group Tutorial	5		IND		12:00A-12:00A			Staff	
		COWL-94F-XXX		Group Tutorial	2		IND		12:00A-12:00A			Staff	
		COWL-99-XXX		Tutorial	5		IND		12:00A-12:00A			Staff	
		COWL-99F-XXX		Tutorial	2		IND		12:00A-12:00A			Staff	
22810	Y	COWL-184A-01		Leadership & Instit	2		LEC	M	05:00P-07:00P		Bay Tree Conf D	Ladusaw,W.A.	
		COWL-194-XXX		Group Tutorial	5		IND		12:00A-12:00A			Staff	
		COWL-195-XXX		Senior Thesis	5		IND		12:00A-12:00A			Staff	
		COWL-198-XXX		Indep Field Study	5		FLI		12:00A-12:00A			Staff	
		COWL-199-XXX		Tutorial	5		IND		12:00A-12:00A			Staff	
		COWL-199F-XXX		Tutorial	2		IND		**To Be Arranged**			Staff	

## Crown College

If you have not satisfied the Entry Level Writing Requirement, enroll in any section from 1-7.  
 If you have satisfied the ELWR, but not the CI requirement, enroll in any section from 8-15.  
 If you have satisfied the CI requirement, enroll in Crown 80B.

22632		CRWN-80A-01		UD:Ethical Issues	5	4C1	SEM	MWF	12:30P-01:40P		Crown Clrm 201	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		
22633		CRWN-80A-02		UD:Ethical Issues	5	4C1	SEM	MWF	02:00P-03:10P		Crown Clrm 201	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		
22634		CRWN-80A-03		UD:Ethical Issues	5	4C1	SEM	MWF	11:00A-12:10P		Crown Clrm 201	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		
22635		CRWN-80A-04		UD:Ethical Issues	5	4C1	SEM	TTh	10:00A-11:45A		Crown Clrm 201	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		
22636		CRWN-80A-05		UD:Ethical Issues	5	4C1	SEM	TTh	02:00P-03:45P		Crown Clrm 201	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		
22637		CRWN-80A-06		UD:Ethical Issues	5	4C1	SEM	TTh	04:00P-05:45P		Crown Clrm 201	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		
22638		CRWN-80A-07		UD:Ethical Issues	5	4C1	SEM	MWF	09:30A-10:40A		Crown Clrm 201	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		
22639		CRWN-80A-08		UD:Ethical Issues	5	4C1	SEM	TTh	02:00P-03:45P		Crown Clrm 202	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		
22640		CRWN-80A-09		UD:Ethical Issues	5	4C1	SEM	MWF	12:30P-01:40P		Crown Clrm 202	Staff	R
								MW	07:00P-08:45P		ClassroomUnit 002		

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22641		CRWN-80A-10		UD:Ethical Issues	5	4CI SEM	TTh		10:00A-11:45A		Crown Clrm 202	Staff	R
							MW		07:00P-08:45P		ClassroomUnit 002		
22642		CRWN-80A-11		UD:Ethical Issues	5	4CI SEM	TTh		04:00P-05:45P		Crown Clrm 202	Staff	R
							MW		07:00P-08:45P		ClassroomUnit 002		
22643		CRWN-80A-12		UD:Ethical Issues	5	4CI SEM	TTh		06:00P-07:45P		Crown Clrm 202	Staff	R
							MW		07:00P-08:45P		ClassroomUnit 002		
22644		CRWN-80A-13		UD:Ethical Issues	5	4CI SEM	MWF		11:00A-12:10P		Crown Clrm 202	Staff	R
							MW		07:00P-08:45P		ClassroomUnit 002		
23893		CRWN-80A-14		UD:Ethical Issues	5	4CI SEM	TTh		02:00P-03:45P		Crown Clrm 203	Staff	R
							MW		07:00P-08:45P		ClassroomUnit 002		
23894		CRWN-80A-15		UD:Ethical Issues	5	4CI SEM	MWF		03:30P-04:40P		Crown Clrm 202	Staff	R
							MW		07:00P-08:45P		ClassroomUnit 002		
22645		CRWN-80B-01		RI:Ethical Issues	5	4C2 SEM	MWF		09:30A-10:40A		Crown Clrm 202	Staff	R
							MW		07:00P-08:45P		ClassroomUnit 002		
22646		CRWN-80B-02		RI:Ethical Issues	5	4C2 SEM	TTh		10:00A-11:45A		Crown Clrm 203	Staff	R
							MW		07:00P-08:45P		ClassroomUnit 002		
22980	Y	CRWN-150A-01		SSS: Instit Functng <i>See Enrollment Conditions for instructions</i>	2	SEM	MW		11:00A-12:10P		ClassroomUnit 201	Crosby,F.J.	
23897	Y	CRWN-185-01		PTP Internship Prep	2	LEC	Th		02:00P-03:45P		Bay Tree Conf D	Silverthorne,B.	
<b>Kresge College</b>													
22718		KRSG-80A-01		UD:Power&Represnt	5	5CI SEM	TTh		10:00A-11:45A		Kresge Clrm 319	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22719		KRSG-80A-02		UD:Power&Represnt	5	5CI SEM	TTh		02:00P-03:45P		Kresge Clrm 319	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22720		KRSG-80A-03		UD:Power&Represnt	5	5CI SEM	TTh		10:00A-11:45A		Kresge Clrm 323	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22721		KRSG-80A-04		UD:Power&Represnt	5	5CI SEM	TTh		02:00P-03:45P		Kresge Clrm 323	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22722		KRSG-80A-05		UD:Power&Represnt	5	5CI SEM	TTh		02:00P-03:45P		Kresge Clrm 325	Staff	R
							T		07:00P-08:10P		Krsg Town Hall 466		
22723		KRSG-80A-06		UD:Power&Represnt	5	5CI SEM	TTh		04:00P-05:45P		Kresge Clrm 325	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22724		KRSG-80A-07		UD:Power&Represnt	5	5CI SEM	TTh		04:00P-05:45P		Kresge Acad 194	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22725		KRSG-80A-08		UD:Power&Represnt	5	5CI SEM	TTh		10:00A-11:45A		Kresge Acad 194	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22726		KRSG-80A-09		UD:Power&Represnt	5	5CI SEM	TTh		02:00P-03:45P		Kresge Acad 194	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22727		KRSG-80A-10		UD:Power&Represnt	5	5CI SEM	TTh		10:00A-11:45A		Kresge Clrm 325	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
23825		KRSG-80A-11		UD:Power&Represnt	5	5CI SEM	TTh		04:00P-05:45P		Kresge Clrm 323	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22728		KRSG-80B-01		RI:Power&Representat	5	5C2 SEM	TTh		02:00P-03:45P		Kresge Rec 159	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
22729		KRSG-80B-02		RI:Power&Representat	5	5C2 SEM	TTh		04:00P-05:45P		Kresge Rec 159	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
23035		KRSG-80B-03		RI:Power&Representat	5	5C2 SEM	TTh		10:00A-11:45A		Kresge Rec 159	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
16931		KRSG-80T-01		Power&Representation	5	5W SEM	TTh		10:00A-11:45A		Porter Acad 249	Staff	R
							T		07:00P-09:00P		Krsg Town Hall 466		
		KRSG-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		KRSG-192-XXX		Dir Stu Teach <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
KRSG-193-XXX				<b>Field Study</b> <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
KRSG-194-XXX				<b>Group Tutorial</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
KRSG-195-XXX				<b>Senior Thesis</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
KRSG-198-XXX				<b>Indep Field Study</b> <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
KRSG-199-XXX				<b>Tutorial</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	

## Merrill College

All Merrill frosh are required to take MERR 80A or 80B, the Merrill College Core Course.  
Please refer to your advising packet and the web site <http://www2.ucsc.edu/merrillacademics>  
for details on enrolling in the course.

22620	MERR-80A-01	UD: Cultural IDs	5	3C1E SEM MWF	09:30A-10:40A	Merrill Acad 132	Harris-Frisk,J.	R
				W	07:00P-08:45P	Earth&Marine B206		
22621	MERR-80A-02	UD: Cultural IDs	5	3C1E SEM MWF	12:30P-01:40P	Merrill Acad 132	Harris-Frisk,J.	R
				W	07:00P-08:45P	Earth&Marine B206		
22622	MERR-80A-03	UD: Cultural IDs	5	3C1E SEM TTh	08:00A-09:45A	Merrill Acad 132	Staff	R
				W	07:00P-08:45P	Earth&Marine B206		
22623	MERR-80A-04	UD: Cultural IDs	5	3C1E SEM TTh	10:00A-11:45A	Merrill Acad 132	Staff	R
				W	07:00P-08:45P	Earth&Marine B206		
22624	MERR-80A-05	UD: Cultural IDs	5	3C1E SEM TTh	12:00P-01:45P	Merrill Acad 132	Staff	R
				W	07:00P-08:45P	Earth&Marine B206		
22625	MERR-80A-06	UD: Cultural IDs	5	3C1E SEM MWF	09:30A-10:40A	Merrill Acad 002	Newberry,E.S.	R
				W	07:00P-08:45P	Earth&Marine B206		
22626	MERR-80A-07	UD: Cultural IDs	5	3C1E SEM MWF	11:00A-12:10P	Merrill Acad 002	Newberry,E.S.	R
				W	07:00P-08:45P	Earth&Marine B206		
22627	MERR-80A-08	UD: Cultural IDs	5	3C1E SEM MWF	11:00A-12:10P	Merrill Acad 003	Domhoff,J.J.	R
				W	07:00P-08:45P	Earth&Marine B206		
22628	MERR-80A-09	UD: Cultural IDs	5	3C1E SEM TTh	08:00A-09:45A	Merrill Acad 002	Parmeter,S.	R
				W	07:00P-08:45P	Earth&Marine B206		
22629	MERR-80A-10	UD: Cultural IDs	5	3C1E SEM TTh	10:00A-11:45A	Merrill Acad 002	Parmeter,S.	R
				W	07:00P-08:45P	Earth&Marine B206		
23872	MERR-80A-11	UD: Cultural IDs	5	3C1E SEM MWF	11:00A-12:10P	Merrill Acad 132	Gerster,C.J.	R
				W	07:00P-08:45P	Earth&Marine B206		
22630	MERR-80B-01	RI:Cultural IDs&Glob	5	3C2E SEM MWF	11:00A-12:10P	Merrill Acad 132	Gerster,C.J.	R
				W	07:00P-08:45P	Earth&Marine B206		
23010	MERR-80B-02	RI:Cultural IDs&Glob	5	3C2E SEM MWF	12:30P-01:40P	Merrill Acad 003	Domhoff,J.J.	R
				W	07:00P-08:45P	Earth&Marine B206		
23929	MERR-80B-03	RI:Cultural IDs&Glob	5	3C2E SEM MWF	02:00P-03:10P	Merrill Acad 132	Gerster,C.J.	R
				W	07:00P-08:45P	Earth&Marine B206		
23921	MERR-80L-01	Merrill Visual Lab	2	LAB	**To Be Arranged**		Martinez-Echazabal	R
21584	Y MERR-85A-01	Classrm Connection	5	FLD	**To Be Arranged**		Staff	
		<i>See Enrollment Conditions for instructions</i>						
21585	Y MERR-85B-01	Classrm Connection	3	FLD	**To Be Arranged**		Staff	
		<i>See Enrollment Conditions for instructions</i>						

## Oakes College

18829	Y OAKS-10-01	Academic Success	2	SEM TTh	04:00P-05:00P	Oakes Acad 102	Staff	
		<i>All Oakes frosh are required to take Oakes 80A or 80B. Please refer to the advising packet from your college for details on enrolling in the class.</i>						
22767	OAKS-80A-01	UD: Values & Change	5	5C1E SEM MWF	12:30P-01:40P	Oakes Acad 101	Lopez,L.A.	R
				W	07:00P-10:00P	Media Theater M110		
22768	OAKS-80A-02	UD: Values & Change	5	5C1E SEM MWF	02:00P-03:10P	Oakes Acad 101	Lopez,L.A.	R
				W	07:00P-10:00P	Media Theater M110		

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22769	OAKS-80A-03	UD: Values & Change	5	5CIE SEM TTh	08:00A-09:45A	Oakes Acad 103	King,R.Y.	R					
				W	07:00P-10:00P	Media Theater M110							
22770	OAKS-80A-04	UD: Values & Change	5	5CIE SEM TTh	10:00A-11:45A	Oakes Acad 103	King,R.Y.	R					
				W	07:00P-10:00P	Media Theater M110							
22771	OAKS-80A-05	UD: Values & Change	5	5CIE SEM TTh	12:00P-01:45P	Oakes Acad 103	Baker,M.	R					
				W	07:00P-10:00P	Media Theater M110							
22772	OAKS-80A-06	UD: Values & Change	5	5CIE SEM TTh	02:00P-03:45P	Oakes Acad 103	Dodson,D.P.	R					
				W	07:00P-10:00P	Media Theater M110							
22773	OAKS-80A-07	UD: Values & Change	5	5CIE SEM TTh	04:00P-05:45P	Oakes Acad 103	Dodson,D.P.	R					
				W	07:00P-10:00P	Media Theater M110							
22774	OAKS-80A-08	UD: Values & Change	5	5CIE SEM MWF	12:30P-01:40P	Oakes Acad 103	Staff	R					
				W	07:00P-10:00P	Media Theater M110							
22775	OAKS-80A-09	UD: Values & Change	5	5CIE SEM MWF	11:00A-12:10P	Oakes Acad 103	Staff	R					
				W	07:00P-10:00P	Media Theater M110							
22776	OAKS-80A-10	UD: Values & Change	5	5CIE SEM MWF	02:00P-03:10P	Oakes Acad 103	Staff	R					
				W	07:00P-10:00P	Media Theater M110							
22777	OAKS-80A-11	UD: Values & Change	5	5CIE SEM TTh	10:00A-11:45A	Oakes Acad 102	Simonton,K.R.	R					
				W	07:00P-10:00P	Media Theater M110							
22778	OAKS-80A-12	UD: Values & Change	5	5CIE SEM TTh	12:00P-01:45P	Oakes Acad 102	Simonton,K.R.	R					
				W	07:00P-10:00P	Media Theater M110							
23888	OAKS-80A-13	UD: Values & Change	5	5CIE SEM MWF	08:00A-09:10A	Oakes Acad 103	Martinez,C.	R					
				W	07:00P-10:00P	Media Theater M110							
23889	OAKS-80A-14	UD: Values & Change	5	5CIE SEM MWF	09:30A-10:40A	Oakes Acad 103	Martinez,C.	R					
				W	07:00P-10:00P	Media Theater M110							
23890	OAKS-80A-15	UD: Values & Change	5	5CIE SEM MWF	11:00A-12:10P	Oakes Acad 101	Knisely,L.E.	R					
				W	07:00P-10:00P	Media Theater M110							
23891	OAKS-80A-16	UD: Values & Change	5	5CIE SEM MWF	03:30P-04:40P	Oakes Acad 103	Staff	R					
				W	07:00P-10:00P	Media Theater M110							
23892	OAKS-80A-17	UD: Values & Change	5	5CIE SEM TTh	02:00P-03:45P	Oakes Acad 102	Staff	R					
				W	07:00P-10:00P	Media Theater M110							
22779	OAKS-80B-01	RI: Values and Change	5	5C2E SEM MWF	09:30A-10:40A	Oakes Acad 101	Knisely,L.E.	R					
				W	07:00P-10:00P	Media Theater M110							
	OAKS-93-XXX	Field Study	5	FLI	**To Be Arranged**		Staff						
		<i>See sponsoring agency for class number</i>											
	OAKS-99F-XXX	Independent Study	2	IND	**To Be Arranged**		Staff						
		<i>See sponsoring agency for class number</i>											
	OAKS-193-XXX	Field Study	5	FLI	**To Be Arranged**		Staff						
		<i>See sponsoring agency for class number</i>											
	OAKS-199F-XXX	Independent Study	2	IND	**To Be Arranged**		Staff						
		<i>See sponsoring agency for class number</i>											

### Porter College

19843	PRTR-22A-01	Day Of The Dead	2	A SEM F	04:30P-06:30P	Porter Din 002	Apodaca,R.					
		<i>All Porter frosh are required to take Porter 80A or 80B. Please refer to the advising packet from your college for details on enrolling in the class.</i>										
22746	PRTR-80A-01	UD: Writing/Arts	5	4CI SEM MWF	09:30A-10:40A	Porter Acad 241	Staff	R				
				M	08:00P-10:00P	Porter Din 001						
22747	PRTR-80A-02	UD: Writing/Arts	5	4CI SEM MWF	11:00A-12:10P	Porter Acad 222	Staff	R				
				M	08:00P-10:00P	Porter Din 001						
22748	PRTR-80A-03	UD: Writing/Arts	5	4CI SEM MWF	09:30A-10:40A	Porter Acad 249	Staff	R				
				M	08:00P-10:00P	Porter Din 002						
22749	PRTR-80A-04	UD: Writing/Arts	5	4CI SEM MWF	08:00P-10:00P	Porter Din 001	Staff	R				
				M	09:30A-10:40A	Porter Din 002						
22750	PRTR-80A-05	UD: Writing/Arts	5	4CI SEM MWF	11:00A-12:10P	Porter Acad 250	Staff	R				
				M	08:00P-10:00P	Porter Din 001						

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22751	PRTR-80A-06	UD: Writing/Arts	5	4CI SEM	MWF	11:00A-12:10P	Porter Acad 249	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
22752	PRTR-80A-07	UD: Writing/Arts	5	4CI SEM	MWF	11:00A-12:10P	Porter Acad 241	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
22753	PRTR-80A-08	UD: Writing/Arts	5	4CI SEM	MWF	09:30A-10:40A	Porter Acad 246	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
22754	PRTR-80A-09	UD: Writing/Arts	5	4CI SEM	MWF	11:00A-12:10P	Porter Acad 246	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
23880	PRTR-80A-10	UD: Writing/Arts	5	4CI SEM	MWF	09:30A-10:40A	TBA	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
23881	PRTR-80A-11	UD: Writing/Arts	5	4CI SEM	MWF	02:00P-03:10P	Porter Acad 241	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
23882	PRTR-80A-12	UD: Writing/Arts	5	4CI SEM	MWF	12:30P-01:40P	Porter Acad 246	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
23883	PRTR-80A-13	UD: Writing/Arts	5	4CI SEM	MWF	02:00P-03:10P	Porter Acad 246	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
22758	PRTR-80B-01	RI:WritingAcrossArts	5	4C2 SEM	MWF	02:00P-03:10P	Porter Acad 249	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
22759	PRTR-80B-02	RI:WritingAcrossArts	5	4C2 SEM	MWF	09:30A-10:40A	Porter Acad 250	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
22760	PRTR-80B-03	RI:WritingAcrossArts	5	4C2 SEM	MWF	03:30P-04:40P	Porter Acad 249	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
22761	PRTR-80B-04	RI:WritingAcrossArts	5	4C2 SEM	MWF	12:30P-01:40P	Porter Acad 249	Staff	R				
					M	08:00P-10:00P	Porter Din 001						
23039	PRTR-80B-05	RI:WritingAcrossArts	5	4C2 SEM	M	11:00A-12:10P	Porter Din 002	Staff	R				
					MWF	08:00P-10:00P	Porter Din 001						
22970	PRTR-80L-01	Document Oral Hist	5	5A SEM	MWF	09:30A-10:40A	TA Offices J102	Beal,T.					
22093	PRTR-83-01	Pac Rim Film Fest	2	A SEM	W	04:00P-06:00P	Porter Din 002	Foley,M.K.					
21457	PRTR-121D-01	Sundanese Gamelan	2	A STU	Th	02:00P-04:00P	Gamelan Stu 230B	Sumarna,U.					
19850	PRTR-180-01	Pedagogical Practic	5	SEM	T	04:00P-05:45P	Porter Din 002	Staff					
	PRTR-194-XXX	Group Tutorial	5	IND		**To Be Arranged**		Staff					

See sponsoring agency for class number

### Stevenson College

22730	STEV-80A-01	UD:Self & Society	5	5CI SEM	MWF	09:30A-10:40A	Oakes Acad 222	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22731	STEV-80A-02	UD:Self & Society	5	5CI SEM	MWF	12:30P-01:40P	Oakes Acad 222	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22732	STEV-80A-03	UD:Self & Society	5	5CI SEM	MWF	02:00P-03:10P	Cowell Acad 223	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22733	STEV-80A-04	UD:Self & Society	5	5CI SEM	TTh	02:00P-03:45P	Cowell Acad 223	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22734	STEV-80A-05	UD:Self & Society	5	5CI SEM	TTh	10:00A-11:45A	Cowell Acad 223	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22735	STEV-80A-06	UD:Self & Society	5	5CI SEM	TTh	12:00P-01:45P	Cowell Acad 223	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22736	STEV-80A-07	UD:Self & Society	5	5CI SEM	MWF	09:30A-10:40A	Kresge Clrm 319	Staff	R
					M	07:00P-08:00P	Steven Din 180		
22737	STEV-80A-08	UD:Self & Society	5	5CI SEM	MWF	12:30P-01:40P	Kresge Clrm 319	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22738	STEV-80A-09	UD:Self & Society	5	5CI SEM	MWF	02:00P-03:10P	Cowell Acad 113	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22739	STEV-80A-10	UD:Self & Society	5	5CI SEM	TTh	10:00A-11:45A	Cowell Acad 113	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22740	STEV-80A-11	UD:Self & Society	5	5CI SEM	TTh	12:00P-01:45P	Cowell Acad 113	Staff	R
					M	07:00P-09:00P	Steven Din 180		
22741	STEV-80A-12	UD:Self & Society	5	5CI SEM	TTh	02:00P-03:45P	Cowell Acad 113	Staff	R
					M	07:00P-09:00P	Steven Din 180		

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23895		STEV-80A-13		UD:Self & Society	5	5C1 SEM	MWF		09:30A-10:40A		Kresge Clrm 325	Staff	R
							M		07:00P-09:00P		Steven Din 180		
23896		STEV-80A-14		UD:Self & Society	5	5C1 SEM	MWF		12:30P-01:40P		Kresge Clrm 325	Staff	R
							M		07:00P-09:00P		Steven Din 180		
22742		STEV-80B-01		RI:Self & Society	5	5C2 SEM	MWF		09:30A-10:40A		Crown Clrm 104	Staff	R
							M		07:00P-09:00P		Steven Din 180		
22743		STEV-80B-02		RI:Self & Society	5	5C2 SEM	MWF		12:30P-01:40P		Thimann Lab 101	Staff	R
							M		07:00P-09:00P		Steven Din 180		
22744		STEV-80B-03		RI:Self & Society	5	5C2 SEM	TTh		10:00A-11:45A		Eight Acad 242	Staff	R
							M		07:00P-09:00P		Steven Din 180		
22745		STEV-80B-04		RI:Self & Society	5	5C2 SEM	TTh		02:00P-03:45P		Eight Acad 242	Staff	R
							M		07:00P-09:00P		Steven Din 180		
		STEV-194-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		STEV-194F-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
		STEV-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		STEV-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	

## American Studies

10038		AMST-2-01		Calif & Californian	5	HE LEC	MWF		08:00AM-09:10AM		Media Theater M110	Robinson,F.G.	
21578		AMST-80E-01		US Racial/EthncHist	5	5E LEC	TTh		02:00PM-03:45PM		Eight Acad 252	Ramirez,R.K.	
23085		AMST-80E-01A		Discussion		DIS			**To Be Arranged**			Staff	
23086		AMST-80E-01B		Discussion		DIS			**To Be Arranged**			Staff	
23983		AMST-80G-01		US Political Ctrrs	5	5 LEC	TTh		10:00AM-11:45AM		PhysSciences 110	Staff	
23984		AMST-80G-01A		Discussion		DIS	M		08:00AM-09:10AM		Oakes Acad 101	Staff	
23985		AMST-80G-01B		Discussion		DIS	W		08:00AM-09:10AM		Oakes Acad 101	Staff	
23986		AMST-80G-01C		Discussion		DIS	Th		04:00PM-05:10PM		Oakes Acad 101	Staff	
23987		AMST-80G-01D		Discussion		DIS	Th		06:00PM-07:10PM		Oakes Acad 101	Staff	
		AMST-93-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		AMST-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
22233		AMST-100-01		Concepts Amer Study	5	W LEC	MW		05:00PM-06:45PM		Oakes Acad 101	Staff	R
23302		AMST-114C-01		Labor in U.S.	5	LEC	TTh		04:00PM-05:45PM		Porter Acad 148	Huginnie,A.Y.	
23303		AMST-114C-01A		Discussion		DIS	T		10:00AM-11:10AM		Oakes Acad 101	Staff	
23304		AMST-114C-01B		Discussion		DIS	Th		07:30PM-08:40PM		Oakes Acad 101	Staff	
23305		AMST-114C-01C		Discussion		DIS	F		08:00AM-09:10AM		Oakes Acad 101	Staff	
23307		AMST-125A-01		Afro-Amer Culture	5	E LEC	MWF		03:30PM-04:40PM		Oakes Acad 101	Staff	
23949		AMST-125H-01		Black Feminism	5	WESEM	TTh		12:00PM-01:45PM		Oakes Acad 101	Staff	
23308		AMST-127C-01		Asian Amer Lit&Cltr	5	E LEC	MW		05:00PM-06:45PM		Oakes Acad 106	Staff	
23309		AMST-190H-01		Race,Poltic,Region	5	E SEM	TTh		06:00PM-07:45PM		Porter Acad 249	Huginnie,A.Y.	R
		AMST-192-XXX		Dir Stu Teach <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		AMST-193-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		AMST-194-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		AMST-195A-XXX		Senior Project <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		AMST-195B-XXX		Senior Project <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		AMST-198-XXX		Indep Field Study	5	FLI			**To Be Arranged**			Staff	

See sponsoring agency for class number

AMST-199-XXX Tutorial 5 IND \*\*To Be Arranged\*\* Staff  
 See sponsoring agency for class number

**Applied Mathematics and Statistics**

21592	AMS-3-01	Precalculus	5	Q LEC	MWF	09:30AM-10:40AM	Soc Sci 2 075	Staff	R
<i>Enroll in lecture and associated discussion section</i>									
21593	AMS-3-01A	Discussion		DIS	W	08:00AM-09:10AM	Soc Sci 2 159	Staff	
21594	AMS-3-01B	Discussion		DIS	W	06:30PM-07:40PM	Soc Sci 2 159	Staff	
21595	AMS-3-01C	Discussion		DIS	Th	07:30PM-08:40PM	Soc Sci 2 159	Staff	
21596	AMS-5-01	Statistics	5	NQ LEC	TTh	12:00PM-01:45PM	Thim Lecture 003	Kottas,A.	
<i>Enroll in lecture and associated discussion section</i>									
21597	AMS-5-01A	Discussion		DIS	M	09:30AM-10:40AM	Merrill Acad 130	Staff	
21598	AMS-5-01B	Discussion		DIS	T	08:30AM-09:40AM	Earth&Marine B210	Staff	
21599	AMS-5-01C	Discussion		DIS	W	06:30PM-07:40PM	Eight Acad 252	Staff	
21600	AMS-5-01D	Discussion		DIS	Th	04:00PM-05:10PM	PhysSciences 140	Staff	
21601	AMS-5-01E	Discussion		DIS	F	08:00AM-09:10AM	Engineer 2 192	Staff	
23293	AMS-7-01	Bio/Env Statistics	5	NQ LEC	TTh	12:00PM-01:45PM	J Bask Aud 101	Draper,D.	R
<i>Enroll in lecture and associated discussion section; concurrent enrollment in AMS 7L is required</i>									
23294	AMS-7-01A	Discussion		DIS	M	09:30AM-10:40AM	Earth&Marine B214	Staff	
23295	AMS-7-01B	Discussion		DIS	M	05:00PM-06:10PM	Engineer 2 192	Staff	
23296	AMS-7-01C	Discussion		DIS	T	08:30AM-09:40AM	Engineer 2 192	Staff	
23297	AMS-7-01D	Discussion		DIS	W	03:30PM-04:40PM	Oakes Acad 106	Staff	
23298	AMS-7-01E	Discussion		DIS	Th	06:00PM-07:10PM	Eight Acad 252	Staff	
23299	AMS-7-01F	Discussion		DIS	F	03:30PM-04:40PM	Eight Acad 250	Staff	
24021	AMS-7L-01	Bio/Env Stat Lab	2	LAB		**To Be Arranged**		Staff	R
<i>Enroll in lecture and associated discussion section; concurrent enrollment in AMS 7 is required</i>									
24022	AMS-7L-02	Bio/Env Stat Lab	2	LAB		**To Be Arranged**		Staff	R
<i>Enroll in lecture and associated discussion section; concurrent enrollment in AMS 7 is required</i>									
24023	AMS-7L-03	Bio/Env Stat Lab	2	LAB		**To Be Arranged**		Staff	R
<i>Enroll in lecture and associated discussion section; concurrent enrollment in AMS 7 is required</i>									
24024	AMS-7L-04	Bio/Env Stat Lab	2	LAB		**To Be Arranged**		Staff	R
<i>Enroll in lecture and associated discussion section; concurrent enrollment in AMS 7 is required</i>									
24025	AMS-7L-05	Bio/Env Stat Lab	2	LAB		**To Be Arranged**		Staff	R
<i>Enroll in lecture and associated discussion section; concurrent enrollment in AMS 7 is required</i>									
24026	AMS-7L-06	Bio/Env Stat Lab	2	LAB		**To Be Arranged**		Staff	R
<i>Enroll in lecture and associated discussion section; concurrent enrollment in AMS 7 is required</i>									
21572	AMS-11A-01	Math Methd for Econ	5	NQ LEC	MWF	08:00AM-09:10AM	J Baskin Engr 152	Katznelson,J.R.	R
<i>Also offered as ECON 11A</i>									
21573	AMS-11A-01A	Discussion		DIS	T	08:30AM-09:40AM	Oakes Acad 222	Staff	
21574	AMS-11A-01B	Discussion		DIS	Th	08:00AM-09:10AM	Eight Acad 242	Staff	
21575	AMS-11A-01C	Discussion		DIS	T	07:30PM-08:40PM	Soc Sci 1 161	Staff	
21576	AMS-11A-01D	Discussion		DIS	Th	07:30PM-08:40PM	Eight Acad 242	Staff	
22561	AMS-11A-01E	Discussion		DIS	M	07:00PM-08:10PM	Soc Sci 2 167	Staff	
22562	AMS-11A-01F	Discussion		DIS	W	02:00PM-03:10PM	Oakes Acad 222	Staff	
22596	AMS-11B-01	Math Methd for Econ	5	Q LEC	MWF	12:30PM-01:40PM	J Baskin Engr 152	Katznelson,J.R.	R
<i>Also offered as ECON 11B</i>									
22597	AMS-11B-01A	Discussion		DIS	T	08:30AM-09:40AM	Merrill Acad 130	Staff	
22598	AMS-11B-01B	Discussion		DIS	Th	06:00PM-07:10PM	Eight Acad 242	Staff	
22599	AMS-11B-01C	Discussion		DIS	T	07:30PM-08:40PM	Merrill Acad 130	Staff	
22600	AMS-11B-01D	Discussion		DIS	Th	08:30AM-09:40AM	Kresge Clrm 325	Staff	
22601	AMS-11B-01E	Discussion		DIS	W	03:30PM-04:40PM	Oakes Acad 222	Staff	
22602	AMS-11B-01F	Discussion		DIS	F	08:00AM-09:10AM	Oakes Acad 222	Staff	
21602	AMS-27-01	Math Method Engineer	5	LEC	TTh	10:00AM-11:45AM	Kresge Clrm 327	Cortes,J.	R
<i>Enroll in lecture and associated discussion section; concurrent enrollment in AMS 27L is required</i>									
22217	AMS-27-01A	Discussion		DIS		**To Be Arranged**		Staff	
22218	AMS-27-01B	Discussion		DIS		**To Be Arranged**		Staff	
24020	AMS-27-01C	Discussion		DIS		**To Be Arranged**		Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
21603		AMS-27L-01		<b>Math Methd Engr Lab</b> <i>Concurrent enrollment in AMS 27 is required</i>	2	LAB			**To Be Arranged**			Cortes,J.	R
21604		AMS-27L-02		<b>Math Methd Engr Lab</b> <i>Concurrent enrollment in AMS 27 is required</i>	2	LAB			**To Be Arranged**			Cortes,J.	R
21616		AMS-205-01		<b>Mathematical Stats</b>	5	LEC	TTH		10:00AM-11:45AM		Earth&Marine B214	Sanso,B.	R
21605		AMS-211-01		<b>Appld Math Method I</b>	5	LEC	TTH		12:00PM-01:45PM		Porter Acad 246	Garaud,P.	R
23859		AMS-236-01		<b>Motion Robot Networks</b>	5	LEC	TTH		04:00PM-05:45PM		PhysSciences 136	Cortes,J.	
23300		AMS-241-01		<b>Nonparametric Bayes</b>	5	LEC	TTH		04:00PM-05:45PM		Earth&Marine B210	Kottas,A.	R
22963	Y	AMS-280B-01		<b>Seminar AMS</b>	2	SEM	M		04:00PM-05:00PM		J Baskin Engr 330	Wang,H.	

## Anthropology

10239		ANTH-1-01		<b>Intr Humn Evolution</b> <i>Enroll in lecture and associated discussion section</i>	5	N LEC	MWF		11:00A-12:10P		Media Theater M110	Zihlman,A.L.	
10240		ANTH-1-01A		<b>Discussion</b>		DIS	M		12:30P-01:40P		Soc Sci I 461	Staff	
10241		ANTH-1-01B		<b>Discussion</b>		DIS	M		02:00P-03:10P		Soc Sci I 461	Staff	
10242		ANTH-1-01C		<b>Discussion</b>		DIS	M		03:30P-04:40P		Soc Sci I 461	Staff	
10243		ANTH-1-01D		<b>Discussion</b>		DIS	M		05:00P-06:10P		Soc Sci I 461	Staff	
10244		ANTH-1-01E		<b>Discussion</b>		DIS	T		08:00A-09:10A		Soc Sci I 461	Staff	
10245		ANTH-1-01F		<b>Discussion</b>		DIS	T		10:00A-11:10A		Soc Sci I 461	Staff	
10246		ANTH-1-01G		<b>Discussion</b>		DIS	T		12:00P-01:10P		Soc Sci I 461	Staff	
10247		ANTH-1-01H		<b>Discussion</b>		DIS	T		02:00P-03:10P		Soc Sci I 461	Staff	
10248		ANTH-1-01I		<b>Discussion</b>		DIS	T		04:00P-05:10P		Soc Sci I 461	Staff	
10249		ANTH-1-01J		<b>Discussion</b>		DIS	T		06:00P-07:10P		Soc Sci I 461	Staff	
10250		ANTH-1-01K		<b>Discussion</b>		DIS	W		08:00A-09:10A		Soc Sci I 461	Staff	
10251		ANTH-1-01L		<b>Discussion</b>		DIS	W		09:30A-10:40A		Soc Sci I 461	Staff	
10252		ANTH-1-01M		<b>Discussion</b>		DIS	W		12:30P-01:40P		Soc Sci I 461	Staff	
10253		ANTH-1-01N		<b>Discussion</b>		DIS	W		02:00P-03:10P		Soc Sci I 461	Staff	
10254		ANTH-1-01O		<b>Discussion</b>		DIS	W		03:30P-04:40P		Soc Sci I 461	Staff	
10255		ANTH-1-01P		<b>Discussion</b>		DIS	W		05:00P-06:10P		Soc Sci I 461	Staff	
10256		ANTH-1-01Q		<b>Discussion</b>		DIS	Th		08:00A-09:10A		Soc Sci I 461	Staff	
10257		ANTH-1-01R		<b>Discussion</b>		DIS	Th		10:00A-11:10A		Soc Sci I 461	Staff	
10258		ANTH-1-01S		<b>Discussion</b>		DIS	Th		12:00P-01:10P		Soc Sci I 461	Staff	
10259		ANTH-1-01T		<b>Discussion</b>		DIS	Th		02:00P-03:10P		Soc Sci I 461	Staff	
21424		ANTH-1-01U		<b>Discussion</b>		DIS	Th		04:00P-05:10P		Soc Sci I 461	Staff	
22238		ANTH-80I-01		<b>Citr Power Lat Amer</b>	5	3E LEC	MWF		11:00A-12:10P		Soc Sci I 110	Anderson,M.D.	
23310		ANTH-80J-01		<b>Intro Visual Cultur</b>	5	3 LEC	TTh		12:00P-01:45P		PhysSciences 110	Errington,S.E.	
22812		ANTH-81A-01		<b>Mexican Folk Dance</b> <i>Also offered as LALS 81A</i>	2	A STU	M		07:00P-10:00P		E Fieldhouse	Najera Ramirez,O.	
							F		06:00P-08:00P		E Fieldhouse		
							Su		05:00P-07:00P		E Fieldhouse		
24005		ANTH-81J-01		<b>Intro Vis Cul Lab</b> <i>Concurrent enrollment in ANTH 80J is required</i>	2	LAB			**To Be Arranged**			Errington,S.E.	R
24006		ANTH-81J-02		<b>Intro Vis Cul Lab</b> <i>Concurrent enrollment in ANTH 80J is required</i>	2	LAB			**To Be Arranged**			Errington,S.E.	R
24007		ANTH-81J-03		<b>Intro Vis Cul Lab</b> <i>Concurrent enrollment in ANTH 80J is required</i>	2	LAB			**To Be Arranged**			Errington,S.E.	R
22239		ANTH-102A-01		<b>Human Skeletal Biol</b>	5	LEC	TTH		12:00P-01:45P		Soc Sci I 449	Juarez,C.A.	R
23311		ANTH-106-01		<b>Primate Behavior</b> <i>Taught in conjunction with ANTH 206</i>	5	LEC	MWF		02:00P-03:10P		Soc Sci I 110	Staff	R
23313		ANTH-127-01		<b>Capitalism Ethnogra</b>	5	LEC	TTH		12:00P-01:45P		Soc Sci 2 071	Rofel,L.B.	
23314		ANTH-130B-01		<b>Brazil</b>	5	E LEC	MWF		09:30A-10:40A		Soc Sci 2 179	Linger,D.T.	
22242		ANTH-130E-01		<b>Politics of SE Asia</b>	5	E LEC	TTH		10:00A-11:45A		Soc Sci 2 075	Cate,S.L.	R
23315		ANTH-130N-01		<b>Native Peoples N Am</b>	5	E LEC	TTH		12:00P-01:45P		Soc Sci I 110	Pandey,T.N.	
24004		ANTH-131-01		<b>Women Xcultrl Persp</b>	5	LEC	TTh		08:00A-09:45A		Soc Sci 2 179	Huerta,E.D.	R
10264		ANTH-150-01		<b>Communicating Anth</b>	5	W LEC	TTh		02:00P-03:45P		PhysSciences 130	Shaw,C.M.	R
23317		ANTH-155-01		<b>Cultural Encounters</b>	5	LEC	TTh		10:00A-11:45A		Soc Sci 2 179	Harding,S.F.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
10265		ANTH-170-01		His Archaeol Theory	5	W	LEC	TTh	04:00P-05:45P		Soc Sci 1 145	Gifford-Gonzalez,D.	R
23318		ANTH-174-01		Origins Complex Soc	5		LEC	TTh	02:00P-03:45P		Soc Sci 2 075	Habicht Mauche,J.A.	R
24027		ANTH-184-01		Zooarchaeology	5		LEC	TTh	10:00A-11:45A		Oakes Acad 106	Gifford-Gonzalez,D.	R
				<i>Taught in conjunction with ANTH 284</i>									
24028		ANTH-184-01A		Discussion			DIS	T	12:00P-01:10P		Soc Sci 1 451	Staff	
24029		ANTH-184-01B		Discussion			DIS	T	01:30P-02:40P		Soc Sci 1 451	Staff	
24030		ANTH-184-01C		Discussion			DIS	W	12:30P-01:40P		Soc Sci 1 451	Staff	
22245		ANTH-194S-01		Anthroplogy of Sound	5	W	SEM	MW	05:00P-06:45P		Soc Sci 2 171	Brenneis,D.L.	R
23320		ANTH-194X-01		Wom/Poli:3d Wor Per	5	W	SEM	T	05:00P-08:00P		Soc Sci 2 171	Pandey,A.D.	R
10409		ANTH-200A-01		Core Graduate Course	10		SEM	MW	12:00P-03:00P		Soc Sci 1 414	Caldwell,M.L.	R
23312		ANTH-206-01		Primate Behavior	5		SEM	MWF	02:00P-03:10P		Soc Sci 1 110	Staff	R
				<i>Taught in conjunction with ANTH 106</i>									
10410		ANTH-228-01		Grant Writing	5		SEM	T	07:00P-10:00P		Soc Sci 1 414	Shaw,C.M.	R
23321		ANTH-253-01		Adv Cultural Theory	5		SEM	W	09:00A-12:00P		Soc Sci 1 414	Harding,S.F.	R
23322		ANTH-270-01		His Archaeol Theory	5		LEC		**To Be Arranged**			Gifford-Gonzalez,D.	R
24060		ANTH-284-01		Zooarchaeology	5		LEC	TTh	10:00A-11:45A		Oakes Acad 106	Gifford-Gonzalez,D.	R
				<i>Taught in conjunction with ANTH 184</i>									
10411		ANTH-292-01		Graduate Colloquim	2		SEM	M	03:30P-05:30P		Soc Sci 1 261	Caldwell,M.L.	R
<b>Arabic</b>													
22579		ARAB-1-01		Instr Arabic Lang	5		LEC	MWF	12:30P-01:40P		Kresge Clrm 323	Staff	
<b>Art</b>													
10506		ART-20-01		Intr Draw for Major	5	A	STU	TThSa	02:00P-04:45P		Baskin Paint E101	Terrell,S.	R
10507		ART-20-02		Intr Draw for Major	5	A	STU	MWF	09:00A-11:45A		Baskin Paint E101	Hannah,H.L.	R
23323		ART-21-01		Intro Computer Art	5	A	STU	MWF	02:00P-04:45P		Porter Acad 240	Anderson,E.W.	R
21566		ART-22-01		Intro Elect Intrmed	5	A	STU	MWF	09:00A-11:45A		Baskin Paint E102	Osborn,E.P.	R
10509		ART-24-01		Intr Painting, Oil	5	A	STU	MWF	02:00P-04:45P		Baskin Visul J101	Staff	R
23826		ART-25-01		Relief Printmaking	5		STU	TThSa	01:00P-03:30P		Baskin Draw F101	Rangell,P.	R
10510		ART-26-01		Intr To Printmaking	5	A	STU	MWF	05:00P-07:45P		Baskin Print G101	Lee,J.	R
10511		ART-30-01		Intr to Photography	5	A	STU	TThSa	02:00P-04:45P		Baskin Photo I200	Watts,L.G.	R
10512		ART-30-02		Intr to Photography	5	A	STU	TThSa	09:30A-12:15P		Baskin Photo I200	Gerdes,I.L.	R
22684		ART-39-01		Public Art I	5	A	STU	MWF	02:00P-04:45P		Baskin Sculp 2 P101	Hibbert-Jones,W.D.	
23324		ART-40-01		Sculpture I	5	A	STU	TThSa	09:00A-11:45A		Baskin Plast H101	Staff	R
10513		ART-60-01		Forms and Ideas	5	A	STU	MWF	01:00P-03:45P		Baskin Clay A101	Perry,K.C.	R
21547		ART-70A-01		Bookbinding	5	A	STU	MW	01:00P-04:00P		Cowell Press 123	Staff	
				<i>Also offered as COWL 70A; taught in conjunction with Art 111</i>									
10515		ART-80C-01		Intro Visual Arts	5	4A	LEC	TTh	06:00P-07:45P		J Bask Aud 101	Wohlfeiler,R.A.	
				<i>Enroll in lecture and associated discussion section</i>									
10516		ART-80C-01A		Discussion			DIS	T	02:00P-03:10P		Oakes Acad 101	Staff	
10517		ART-80C-01B		Discussion			DIS	T	04:00P-05:10P		Oakes Acad 101	Staff	
10518		ART-80C-01C		Discussion			DIS	Th	08:30A-09:40A		Oakes Acad 101	Staff	
10519		ART-80C-01D		Discussion			DIS	Th	10:00A-11:10A		Oakes Acad 101	Staff	
10520		ART-80C-01E		Discussion			DIS	F	02:00P-03:10P		Kresge Clrm 319	Staff	
10521		ART-80C-01F		Discussion			DIS	F	03:30P-04:40P		Kresge Clrm 319	Staff	
22252		ART-80C-01G		Discussion			DIS	W	02:00P-03:10P		Kresge Clrm 319	Staff	
22253		ART-80C-01H		Discussion			DIS	W	03:30P-04:40P		Kresge Clrm 319	Staff	
23325		ART-80C-01I		Discussion			DIS	M	02:00P-03:10P		Kresge Clrm 319	Staff	
23326		ART-80C-01J		Discussion			DIS	M	03:30P-04:40P		Kresge Clrm 319	Staff	
21819		ART-80D-01		Intro Photography	5	4A	LEC	MW	05:00P-06:45P		Thim Lecture 001	Perry,K.C.	
				<i>Enroll in lecture and associated discussion section</i>									
22085		ART-80D-01A		Secondary Studio			STS	M	12:00P-01:30P		Baskin Photo I200	Staff	
22086		ART-80D-01B		Secondary Studio			STS	W	12:00P-01:30P		Baskin Photo I200	Staff	
22087		ART-80D-01C		Secondary Studio			STS	T	05:00P-06:30P		Baskin Multi D101	Staff	
22088		ART-80D-01D		Secondary Studio			STS	T	06:30P-08:00P		Baskin Multi D101	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22089		ART-80D-01E		Secondary Studio		STS	Th		05:00P-06:30P		Baskin Multi D101	Staff	
22090		ART-80D-01F		Secondary Studio		STS	Th		06:30P-08:00P		Baskin Multi D101	Staff	
		ART-99-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
10535		ART-101-01		Intermed/Adv Drawng	5	STU	MWF		02:00P-04:45P		Baskin Paint E101	Hannah,H.L.	R
23327		ART-101-02		Intermed/Adv Drawng	5	STU	MWF		05:00P-07:45P		Baskin Paint E101	Fritz,D.C.	R
10536		ART-103-01		Interm/Adv Painting	5	STU	MWF		09:00A-11:45A		Baskin Paint 3 M101	Hitchcock,M.C.	R
23328		ART-104-01		Spec Topcs Painting	5	STU	TThSa		09:00A-11:45A		Baskin Paint 2 L101	McDade,J.L.	R
10537		ART-111-01		Book Arts II	5	STU	MW		01:00P-04:00P		Cowell Press 123	Staff	
<i>Taught in conjunction with ART 70A and COWL 70A.</i>													
10538		ART-112-01		Intaglio I	5	A STU	MWF		02:00P-04:45P		Baskin Draw F101	Lee,J.	R
10539		ART-114-01		Lithography I	5	A STU	TThSa		09:00A-11:45A		Baskin Print G101	Rangell,P.	R
10540		ART-130-01		Interm Photography	5	STU	MWF		09:00A-11:45A		Baskin Photo I200	Locks,N.	R
10541		ART-132-01		Color Photography	5	STU	MWF		02:00P-04:45P		Commun Bldg 33	Locks,N.	R
10543		ART-135-01		Intro Digital Photo	5	A STU	TThSa		02:00P-04:45P		Porter Acad 240	Alley,K.J.	R
22251		ART-139-01		Int/Adv Sclpt/Fndry	5	STU	MWF		02:00P-04:45P		TA Foundry 100	Parker,J.A.	R
23329		ART-148-01		Topics Sclpt Public	5	STU	MWF		05:30P-08:15P		Baskin Sclpt 2 P108	Parker,J.A.	R
23330		ART-149A-01		Visual Media/Issues	5	SEM	TTh		12:00P-01:45P		Baskin Multi D101	Staff	R
23331		ART-161-01		Picturing Identity	5	A STU	TThSa		05:30P-08:15P		Baskin Photo I200	Watts,L.G.	R
		ART-198-XXX		Indep Field Study	5	FLI			**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
		ART-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													

## Astronomy and Astrophysics

10606		ASTR-2-01		Overview Universe	5	NQ LEC	TTh		10:00A-11:45A		Thim Lecture 003	Vogt,S.S.	
10607		ASTR-2-01A		Discussion		DIS	M		02:00P-03:00P		ISB 165	Staff	
10608		ASTR-2-01B		Discussion		DIS	T		05:30P-06:30P		ISB 165	Staff	
10609		ASTR-2-01C		Discussion		DIS	W		02:00P-03:00P		ISB 165	Staff	
10610		ASTR-2-01D		Discussion		DIS	Th		12:15P-01:15P		ISB 165	Staff	
10611		ASTR-2-01E		Discussion		DIS	M		06:00P-07:00P		ISB 165	Staff	
23183		ASTR-2-01F		Discussion		DIS	W		06:00P-07:00P		ISB 165	Staff	
23335		ASTR-2-01G		Discussion		DIS	M		04:45P-05:45P		ISB 165	Staff	
23336		ASTR-2-01H		Discussion		DIS	F		09:30P-10:30P		ISB 165	Staff	
10612		ASTR-2-02		Overview Universe	5	NQ LEC	MWF		11:00A-12:10P		Kresge Clrm 321	Guha Thakurta,P.	
10613		ASTR-2-02A		Discussion		DIS	T		11:00A-12:00P		ISB 165	Staff	
10614		ASTR-2-02B		Discussion		DIS	Th		01:30P-02:30P		ISB 165	Staff	
23333		ASTR-2-02C		Discussion		DIS	W		09:30A-10:30A		ISB 165	Staff	
23334		ASTR-2-02D		Discussion		DIS	F		01:30P-02:30P		ISB 165	Staff	
10615		ASTR-3-01		The Solar System	5	NQ LEC	TTh		08:00A-09:45A		PhysSciences 114	Lin,D.N.	
10616		ASTR-3-01A		Discussion		DIS	T		04:00P-05:00P		ISB 165	Staff	
10617		ASTR-3-01B		Discussion		DIS	M		07:15P-08:15P		ISB 165	Staff	
24008		ASTR-3-01C		Discussion		DIS	W		05:00P-06:00P		ISB 165	Staff	
22254		ASTR-8-01		Violent Universe	5	NQ LEC	TTh		02:00P-03:45P		Kresge Clrm 321	Murray,S.D.	
22255		ASTR-8-01A		Discussion		DIS	M		03:30P-04:30P		ISB 165	Staff	
22256		ASTR-8-01B		Discussion		DIS	W		12:30P-01:30P		ISB 165	Staff	
22257		ASTR-8-01C		Discussion		DIS	T		12:30P-01:30P		ISB 165	Staff	
22258		ASTR-8-01D		Discussion		DIS	Th		09:30A-10:30A		ISB 165	Staff	
23337		ASTR-11-01		Gravity	5	NQ LEC	TTh		10:00A-11:45A		Soc Sci 2 167	Mathews,W.G.	
23338		ASTR-16-01		Life In The Univers	5	NQ LEC	MWF		11:00A-12:10P		PhysSciences 110	Steinacker,A.	
23339		ASTR-16-01A		Discussion		DIS			**To Be Arranged**			Staff	
23340		ASTR-80B-01		Light,Color,Vision	5	2Q LEC	MWF		02:00P-03:10P		Kresge Clrm 321	Staff	
24009		ASTR-80B-01A		Discussion		DIS	T		02:30P-03:30P		ISB 165	Staff	
24010		ASTR-80B-01B		Discussion		DIS	Th		03:00P-04:00P		ISB 165	Staff	
24011		ASTR-80B-01C		Discussion		DIS	M		09:30P-10:30P		ISB 165	Staff	
24012		ASTR-80B-01D		Discussion		DIS	W		07:15P-08:15P		ISB 165	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
21581		ASTR-135A-01		<b>Astrophys Adv Lab</b>	3	LAB	Th		12:00P-01:45P		Nat Sci 2 110	Dewey,R.J.	R
				<i>Enroll in lab and associated secondary lab; some evenings required for night-time observing; also offered as PHYS 135A</i>									
23381		ASTR-135A-01A		<b>Secondary Lab</b>		LBS			**To Be Arranged**			Staff	
23380		ASTR-171-01		<b>Genl Relativity</b>	5	LEC	TTh		10:00A-11:45A		ISB 231	Aguirre,A.N.	R
				<i>Also offered as PHYS 171</i>									
10655		ASTR-205-01		<b>Intr Astro Research</b>	5	LEC	MWF		02:00P-03:10P		ISB 126	Epps,H.W.	R
23341		ASTR-212-01		<b>Dynamical Astronomy</b>	5	LEC	MWF		09:30A-10:40A		ISB 126	Laughlin,G.P.	R
23342		ASTR-220A-01		<b>Stel Struct &amp; Evol</b>	5	LEC	MWF		11:00A-12:10P		ISB 165	Bodenheimer,P.H.	R
10656		ASTR-292-01		<b>Seminar</b>	0	SEM	W		03:30P-05:00P		N. Sci Annex 101	Staff	
<b>Biochemistry and Molecular Biology</b>													
10808		BIOC-100A-01		<b>Biochemistry</b>	5	LEC	MWF		11:00A-12:10P		J Baskin Engr 152	Noller,H.F.	R
				<i>Enroll in lecture and associated discussion section</i>									
10809		BIOC-100A-01A		<b>Discussion</b>		DIS	M		08:00A-09:10A		N. Sci Annex 103	Staff	
10810		BIOC-100A-01B		<b>Discussion</b>		DIS	T		06:00P-07:10P		N. Sci Annex 103	Staff	
22203		BIOC-100A-01C		<b>Discussion</b>		DIS	W		09:30A-10:40A		N. Sci Annex 103	Staff	
22204		BIOC-100A-01D		<b>Discussion</b>		DIS	W		05:00P-06:10P		N. Sci Annex 102	Staff	
<b>Biology</b>													
10811	Y	BIOL-15-01		<b>Research Reports</b>	1	SEM			**To Be Arranged**			Bowman,B.J.	
				<i>See Enrollment Conditions for instructions</i>									
10812		BIOL-20B-01		<b>Developmt &amp; Physiol</b>	5	LEC	TTh		08:00A-09:45A		Media Theater M110	Taiz,L.	R
				<i>Enroll in lecture and associated discussion section</i>									
10813		BIOL-20B-01A		<b>Discussion</b>		DIS	M		05:00P-06:10P		N. Sci Annex 103	Staff	
10814		BIOL-20B-01B		<b>Discussion</b>		DIS	M		06:30P-07:40P		N. Sci Annex 103	Staff	
10815		BIOL-20B-01C		<b>Discussion</b>		DIS	T		12:00P-01:10P		N. Sci Annex 102	Staff	
10816		BIOL-20B-01D		<b>Discussion</b>		DIS	T		06:00P-07:10P		N. Sci Annex 102	Staff	
10817		BIOL-20B-01E		<b>Discussion</b>		DIS	W		08:00A-09:10A		N. Sci Annex 103	Staff	
10818		BIOL-20B-01F		<b>Discussion</b>		DIS	W		11:00A-12:10P		N. Sci Annex 103	Staff	
10819		BIOL-20B-01G		<b>Discussion</b>		DIS	Th		04:00P-05:10P		N. Sci Annex 102	Staff	
10820		BIOL-20B-01H		<b>Discussion</b>		DIS	F		09:30A-10:40A		N. Sci Annex 103	Staff	
21458		BIOL-20B-01I		<b>Discussion</b>		DIS	F		11:00A-12:10P		N. Sci Annex 103	Staff	
10821		BIOL-20C-01		<b>Ecology &amp; Evolution</b>	5	LEC	MWF		09:30A-10:40A		Media Theater M110	Marinovic,B.B.	R
				<b>Ecology &amp; Evolution</b>					09:30A-10:40A		Media Theater M110	Pogson,G.	
				<i>Enroll in lecture and associated discussion section</i>									
10822		BIOL-20C-01A		<b>Discussion</b>		DIS	M		02:00P-03:10P		N. Sci Annex 102	Staff	
10823		BIOL-20C-01B		<b>Discussion</b>		DIS	T		08:30A-09:40A		N. Sci Annex 103	Staff	
10824		BIOL-20C-01C		<b>Discussion</b>		DIS	T		12:00P-01:10P		N. Sci Annex 103	Staff	
23343		BIOL-20C-01D		<b>Discussion</b>		DIS	T		04:00P-05:10P		N. Sci Annex 102	Staff	
10825		BIOL-20C-01E		<b>Discussion</b>		DIS	W		02:00P-03:10P		N. Sci Annex 102	Staff	
10826		BIOL-20C-01F		<b>Discussion</b>		DIS	Th		08:30A-09:40A		N. Sci Annex 103	Staff	
10827		BIOL-20C-01G		<b>Discussion</b>		DIS	Th		02:00P-03:10P		N. Sci Annex 102	Staff	
10828		BIOL-20C-01H		<b>Discussion</b>		DIS	Th		08:30A-09:40A		J Baskin Engr 372	Staff	
22186		BIOL-20C-01I		<b>Discussion</b>		DIS	F		02:00P-03:10P		N. Sci Annex 102	Staff	
10829		BIOL-20L-01		<b>Experimental Lab</b>	2	LAB	M		12:30P-01:40P		N. Sci Annex 102	Ogren,L.M.	R
				<i>Must attend first day of lecture on Monday, September 25</i>									
							W		08:30A-12:30P		Thimann Lab 223		
10830		BIOL-20L-02		<b>Experimental Lab</b>	2	LAB	W		01:00P-05:00P		Thimann Lab 223	Zavanelli,M.I.	R
				<i>Must attend first day of lab on Wednesday, September 27</i>									
23344		BIOL-20L-03		<b>Experimental Lab</b>	2	LAB	Th		08:30A-12:30P		Thimann Lab 223	Staff	R
23345		BIOL-20L-04		<b>Experimental Lab</b>	2	LAB	Th		01:00P-05:00P		Thimann Lab 223	Staff	R
10831		BIOL-70-01		<b>Intro Psychobiology</b>	5	N LEC	TTh		08:00A-09:45A		Thim Lecture 003	Switkes,E. Zavanelli,M.I.	
				<i>Enroll in lecture and associated discussion section</i>									
10832		BIOL-70-01A		<b>Discussion</b>		DIS	M		08:00A-09:10A		Soc Sci 2 165	Staff	
10833		BIOL-70-01B		<b>Discussion</b>		DIS	M		11:00A-12:10P		Soc Sci 2 167	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
10834		BIOL-70-01C		Discussion		DIS	M		05:00P-06:10P		Merrill Acad 132	Staff	
10835		BIOL-70-01D		Discussion		DIS	T		12:00P-01:10P		Soc Sci 2 167	Staff	
10836		BIOL-70-01E		Discussion		DIS	T		06:00P-07:10P		Soc Sci 2 165	Staff	
10837		BIOL-70-01F		Discussion		DIS	W		08:00A-09:10A		Soc Sci 2 167	Staff	
10838		BIOL-70-01G		Discussion		DIS	W		03:30P-04:30P		Soc Sci 2 165	Staff	
10839		BIOL-70-01H		Discussion		DIS	W		07:00P-08:10P		Soc Sci 2 165	Staff	
21465		BIOL-70-01I		Discussion		DIS	Th		06:00P-07:10P		Soc Sci 2 165	Staff	
23346		BIOL-70-01J		Discussion		DIS	F		08:00A-09:10A		Merrill Acad 132	Staff	
10840	Y	BIOL-75-01		Sci Diving Cert <i>See Enrollment Conditions for instructions</i>	2		FLD		**To Be Arranged**			Clabuesch,S.R.	
10841		BIOL-80A-01		Female Physiology <i>Enroll in lecture and associated discussion section</i>	5	2	LEC	TTh	04:00P-05:45P		ClassroomUnit 002	Thompson,J.F.	
10842		BIOL-80A-01A		Discussion		DIS	M		03:30P-04:40P		Soc Sci 2 165	Staff	
10843		BIOL-80A-01B		Discussion		DIS	M		05:00P-06:10P		Soc Sci 1 145	Staff	
10844		BIOL-80A-01C		Discussion		DIS	M		07:00P-08:10P		Soc Sci 2 165	Staff	
10845		BIOL-80A-01D		Discussion		DIS	T		12:00P-01:10P		Soc Sci 2 165	Staff	
10846		BIOL-80A-01E		Discussion		DIS	T		07:30P-08:40P		Soc Sci 2 165	Staff	
10847		BIOL-80A-01F		Discussion		DIS	W		08:00A-09:10A		Soc Sci 2 165	Staff	
10848		BIOL-80A-01G		Discussion		DIS	W		05:00P-06:10P		Soc Sci 1 145	Staff	
21466		BIOL-80A-01H		Discussion		DIS	Th		08:30A-09:40A		Soc Sci 2 167	Staff	
21467		BIOL-80A-01I		Discussion		DIS	F		08:00A-09:10A		Soc Sci 2 167	Staff	
21468		BIOL-80A-01J		Discussion		DIS	F		11:00A-12:10P		Soc Sci 2 167	Staff	
22263		BIOL-80A-01K		Discussion		DIS	F		02:00P-03:10P		Oakes Acad 222	Staff	
22932		BIOL-80H-01		The Human Genome <i>Also offered as BME 80H</i>	5	2	LEC	TTh	12:00P-01:45P		Kresge Clrm 321	Rothwell,W.F.	
23945		BIOL-80H-01A		Discussion		DIS	M		11:00AM-12:10PM		Cowell Acad 113	Staff	
23946		BIOL-80H-01B		Discussion		DIS	T		06:00PM-07:10PM		Soc Sci 1 161Staff		
23947		BIOL-80H-01C		Discussion		DIS	W		12:30PM-01:40PM		N. Sci Annex 102	Staff	
23948		BIOL-80H-01D		Discussion		DIS	F		08:00AM-09:10AM		Oakes Acad 222	Staff	
10849		BIOL-80L-01		Sex Lives Of Plants	5	2	LEC	MWF	02:00P-03:10P		Thim Lecture 001	Taiz,L.	
10886		BIOL-100-01		Biochemistry <i>Enroll in lecture and associated discussion section</i>	5		LEC	MWF	11:00A-12:10P		J Bask Aud 101	Ludwig,R.A.	R
10887		BIOL-100-01A		Discussion		DIS	M		08:00A-09:10A		N. Sci Annex 102	Staff	
10888		BIOL-100-01B		Discussion		DIS	M		05:00P-06:10P		N. Sci Annex 102	Staff	
10889		BIOL-100-01C		Discussion		DIS	T		08:30A-09:40A		N. Sci Annex 102	Staff	
10890		BIOL-100-01D		Discussion		DIS	T		02:00P-03:10P		N. Sci Annex 102	Staff	
21469		BIOL-100-01E		Discussion		DIS	W		07:00P-08:10P		N. Sci Annex 102	Staff	
21470		BIOL-100-01F		Discussion		DIS	Th		06:00P-07:10P		N. Sci Annex 102	Staff	
23347		BIOL-100L-01		Biochemistry Lab	5		LAB	W	12:30P-01:40P		Earth&Marine B210	Dalbey,M.S.	R
								MW	08:30A-11:30A		Thimann Lab 289		
23348		BIOL-100L-02		Biochemistry Lab	5		LAB	W	12:30P-01:40P		Earth&Marine B210	Dalbey,M.S.	R
								MW	02:00P-05:00P		Thimann Lab 289		
10891		BIOL-105-01		Genetics <i>Enroll in lecture and associated discussion section</i>	5		LEC	TTh	08:00A-09:45A		ClassroomUnit 002	Staff	R
10892		BIOL-105-01A		Discussion		DIS	M		09:30A-10:40A		N. Sci Annex 103	Staff	
10893		BIOL-105-01B		Discussion		DIS	T		12:00P-01:10P		PhysSciences 136	Staff	
10894		BIOL-105-01C		Discussion		DIS	T		07:30P-08:40P		N. Sci Annex 103	Staff	
10895		BIOL-105-01D		Discussion		DIS	W		08:00A-09:10A		PhysSciences 136	Staff	
10896		BIOL-105-01E		Discussion		DIS	W		05:00P-06:10P		N. Sci Annex 103	Staff	
10897		BIOL-105-01F		Discussion		DIS	Th		12:00P-01:10P		N. Sci Annex 103	Staff	
21473		BIOL-105-01G		Discussion		DIS	Th		06:00P-07:10P		N. Sci Annex 103	Staff	
21474		BIOL-105-01H		Discussion		DIS	F		08:00A-09:10A		N. Sci Annex 103	Staff	
23349		BIOL-105-01I		Discussion		DIS	F		11:00A-12:10P		J Baskin Engr 372	Staff	
23350		BIOL-105L-01		Eukaryotc Genet Lab	5		LAB	MW	09:00A-12:00P		Thimann Lab 203	Ferree,P.M.	R
23351		BIOL-105L-02		Eukaryotc Genet Lab	5		LAB	MW	02:00P-05:00P		Thimann Lab 203	Ferree,P.M.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
10898		BIOL-110-01		Cell Biology	5	LEC	TTh		02:00P-03:45P		Thim Lecture 003	Hinck,L.	R
23352		BIOL-110-01A		Discussion		DIS	M		07:00P-08:10P		N. Sci Annex 102	Staff	
10899		BIOL-110-01B		Discussion		DIS	T		12:00P-01:10P		PhysSciences 140	Staff	
10900		BIOL-110-01C		Discussion		DIS	W		08:00A-09:10A		PhysSciences 140	Staff	
10901		BIOL-110-01D		Discussion		DIS	W		05:00P-06:10P		Kresge Clrm 323	Staff	
21475		BIOL-110-01E		Discussion		DIS	Th		08:30A-09:40A		N. Sci Annex 102	Staff	
23353		BIOL-110-01F		Discussion		DIS	Th		07:30P-08:40P		N. Sci Annex 102	Staff	
10902		BIOL-117A-01		Advanced Genetics	5	LEC	TTh		02:00P-03:45P		Porter Acad 246	Chisholm,A. Ludwig,R.A.	R
				<i>Taught in conjunction with BIOL 200A</i>									
22267		BIOL-119-01		Microbiology	5	LEC	MWF		02:00P-03:10P		Merrill Acad 102	Ottemann,K.M.	R
				<i>Enroll in lecture and associated discussion section</i>									
22268		BIOL-119-01A		Discussion		DIS	M		11:00A-12:10P		J Baskin Engr 372	Staff	
23357		BIOL-119-01B		Discussion		DIS	T		08:30A-09:40A		J Baskin Engr 165	Staff	
22269		BIOL-119-01C		Discussion		DIS	Th		06:00P-07:10P		J Baskin Engr 165	Staff	
22270		BIOL-119-01D		Discussion		DIS	F		08:00A-09:10A		J Baskin Engr 165	Staff	
22885		BIOL-119L-01		Gen Microbio Lab	5	LAB	TTh		08:30A-11:30A		Thimann Lab 229	Saltikov,C.W.	R
23360		BIOL-119L-02		Gen Microbio Lab	5	LAB	TTh		02:00P-05:00P		Thimann Lab 229	Staff	R
10903		BIOL-125-01		Intro to Neurosci	5	LEC	TTh		12:00P-01:45P		J Baskin Engr 152	Feldheim,D.A.	R
				<i>Enroll in lecture and associated discussion section</i>									
21485		BIOL-125-01A		Discussion		DIS	M		05:00P-06:10P		J Baskin Engr 372	Staff	
10904		BIOL-125-01B		Discussion		DIS	T		06:00P-07:10P		J Baskin Engr 372	Staff	
10905		BIOL-125-01C		Discussion		DIS	W		08:00A-09:10A		N. Sci Annex 102	Staff	
21486		BIOL-125-01D		Discussion		DIS	W		06:30P-07:40P		N. Sci Annex 103	Staff	
23365		BIOL-130-01		Human Physiology	5	LEC	MWF		03:30P-04:40P		J Baskin Engr 152	Ogren,L.M.	R
23366		BIOL-130-01A		Discussion		DIS			**To Be Arranged**			Staff	
23367		BIOL-130-01B		Discussion		DIS			**To Be Arranged**			Staff	
23368		BIOL-130L-01		Human Physiolgy Lab	2	LAB	M		09:00A-12:00P		Thimann Lab 239	Ogren,L.M.	R
23369		BIOL-130L-02		Human Physiolgy Lab	2	LAB	T		09:00A-12:00P		Thimann Lab 239	Ogren,L.M.	R
23370		BIOL-130L-03		Human Physiolgy Lab	2	LAB	T		01:00P-04:00P		Thimann Lab 239	Ogren,L.M.	R
10912		BIOL-140-01		Behavioral Ecology	5	LEC	MWF		09:30A-10:40A		Oakes Acad 105	Sinervo,B.R.	R
				<i>Enroll in lecture and associated discussion section</i>									
10913		BIOL-140-01A		Discussion		DIS	T		08:30A-09:40A		J Baskin Engr 372	Staff	
10914		BIOL-140-01B		Discussion		DIS	T		07:30P-08:40P		N. Sci Annex 102	Staff	
10915		BIOL-140-01C		Discussion		DIS	W		05:00P-06:10P		J Baskin Engr 372	Staff	
10916		BIOL-140-01D		Discussion		DIS	Th		06:00P-07:10P		J Baskin Engr 372	Staff	
23371	Y	BIOL-162A-01		Fld Qtr:Marine Ecol	5	FLD	MF		08:00A-05:00P		Lg Discovery 128A	Bernardi,G.	
				Fld Qtr:Marine Ecol					08:00A-05:00P		Lg Discovery 128A	Raimondi,P.T.	
23372	Y	BIOL-162B-01		Fld Qtr:Ichthyology	5	FLD			**To Be Arranged**		Lg Discovery 128A	Bernardi,G.	
				Fld Qtr:Ichthyology					**To Be Arranged**		Lg Discovery 128A	Raimondi,P.T.	
23373	Y	BIOL-162C-01		Fld Qtr:Field Ecolo	5	FLD			**To Be Arranged**		Lg Discovery 128A	Bernardi,G.	
				Fld Qtr:Field Ecolo					**To Be Arranged**		Lg Discovery 128A	Raimondi,P.T.	
23374	Y	BIOL-162D-01		Fld Qtr:Fld Eco Lab	4	FLD			**To Be Arranged**		Lg Discovery 128A	Bernardi,G.	
				Fld Qtr:Fld Eco Lab					**To Be Arranged**		Lg Discovery 128A	Raimondi,P.T.	
21488		BIOL-163-01		Marine Conserv Bio	5	LEC	TTh		12:00P-01:45P		Ocean Health 118	Croll,D.A.	R
24013		BIOL-163-01A		Discussion		DIS	T		06:00P-07:30P		Ocean Health 118	Staff	
21490		BIOL-169-01		Plant Ecology	5	LEC	TTh		10:00A-11:45A		Earth&Marine B210	Parker,I.M.	R
				<i>Enroll in lecture and associated discussion section; taught in conjunction with BIOL 269</i>									
21491		BIOL-169-01A		Discussion		DIS	T		02:00P-03:10P		PhysSciences 140	Staff	
23375		BIOL-169L-01		Plant Ecology Field	5	W LAB	TTh		01:30P-05:30P		Thimann Lab 203	Parker,I.M.	R
10917		BIOL-175-01		Evolution	5	LEC	MWF		02:00P-03:10P		Thim Lecture 003	Pogson,G.	R
				<i>Enroll in lecture and associated discussion section</i>									
24014		BIOL-175-01A		Discussion		DIS	M		08:00A-09:10A		PhysSciences 140	Staff	
24015		BIOL-175-01B		Discussion		DIS	T		04:00P-05:10P		Eight Acad 250	Staff	
24016		BIOL-175-01C		Discussion		DIS	W		05:00P-06:10P		Eight Acad 252	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24017		BIOL-175-01D		Discussion		DIS	Th		12:00P-01:10P		PhysSciences 140	Staff	
24018		BIOL-175-01E		Discussion		DIS	Th		07:30P-08:40P		N. Sci Annex 103	Staff	
24019		BIOL-175-01F		Discussion		DIS	Th		02:00P-03:10P		PhysSciences 140	Staff	
23376	Y	BIOL-183L-01		Undergrad Res: EEB	5	LAB	W		03:30P-04:40P		Thimann Lab 101	Staff	
22313	Y	BIOL-186F-01		Undergrad Rsrch MCD	2	LAB	F		03:30P-05:00P		TBA	Noller,H.F.	
				<i>See Enrollment Conditions for instructions; taught in conjunction with BIOL 186L</i>									
22314	Y	BIOL-186L-01		Undergrad Rsrch MCD	5	LAB	F		03:30P-05:00P		TBA	Noller,H.F.	
				<i>See Enrollment Conditions for instructions; taught in conjunction with 186F</i>									
10926		BIOL-187L-01		Molec Biotech Lab	5	LAB	TTh		01:00P-05:00P		Thimann Lab 215	Zavanelli,M.I.	R
				<i>Taught in conjunction with BIOL 287L</i>									
21611	Y	BIOL-189-01		Health Sci Intrnshp	5	FLD	W		05:00P-06:10P		Soc Sci 2 159	Zuniga,M.C.	
				<i>See Enrollment Conditions for instructions</i>									
23377		BIOL-190-01		Senior Seminar	2	SEM	M		12:30P-01:40P		Thim Lecture 003	Staff	
11997		BIOL-200A-01		Advanced Genetics	5	LEC	TTh		02:00P-03:45P		Porter Acad 246	Chisholm,A.	R
				Advanced Genetics					02:00P-03:45P		Porter Acad 246	Ludwig,R.A.	
				<i>Taught in conjunction with BIOL 117A</i>									
22977		BIOL-250B-01		Scientific Skills	5	SEM	TTh		04:00P-06:00P		TBA	Carr,M.H.	R
23378		BIOL-269-01		Plant Ecology	5	LEC	TTh		10:00A-11:45A		Earth&Marine B210	Parker,I.M.	R
11998		BIOL-279-01		Evolutionary Ecolgy	5	SEM	TTh		12:00P-01:45P		Merrill Acad 130	Thompson,J.N.	R
22577		BIOL-287L-01		Molec Biotech Lab	5	LAB	TTh		01:00P-05:00P		Thimann Lab 215	Zavanelli,M.I.	R
				<i>Taught in conjunction with BIOL 187L</i>									
12022		BIOL-292-01		MCD Seminar	0	SEM	M		12:30P-01:45P		N. Sci Annex 101	Staff	R
12023		BIOL-294-01		Ecol, Evol Bio Sem	0	SEM	W		12:30P-01:45P		N. Sci Annex 101	Staff	R
23379		BIOL-295-01		Adv EEB Seminar	0	SEM			**To Be Arranged**			Staff	R

## Biomolecular Engineering

23382		BME-80G-01		Bioethics 21st Cent	5	6	LEC	TTh	02:00PM-03:45PM		Earth&Marine B206	Akeson,M.A.	
				<i>Enroll in lecture and associated discussion section; also offered as PHIL 80G</i>									
				Bioethics 21st Cent					02:00PM-03:45PM		Earth&Marine B206	Metcalfe,J.P.	
23383		BME-80G-01A		Discussion			DIS	M	08:00AM-09:10AM		Soc Sci 2 167	Staff	
23384		BME-80G-01B		Discussion			DIS	M	06:30PM-07:40PM		Soc Sci 2 159	Staff	
23385		BME-80G-01C		Discussion			DIS	T	08:30AM-09:40AM		Soc Sci 2 167	Staff	
23386		BME-80G-01D		Discussion			DIS	T	06:00PM-07:10PM		Soc Sci 2 159	Staff	
23387		BME-80G-01E		Discussion			DIS	T	07:30PM-08:40PM		Soc Sci 2 159	Staff	
23388		BME-80G-01F		Discussion			DIS	W	11:00AM-12:10PM		Soc Sci 2 167	Staff	
23389		BME-80G-01G		Discussion			DIS	Th	12:00PM-01:10PM		Soc Sci 2 167	Staff	
23390		BME-80G-01H		Discussion			DIS	Th	06:00PM-07:10PM		Soc Sci 2 159	Staff	
22931		BME-80H-01		The Human Genome	5	2	LEC	TTh	12:00PM-01:45PM		Kresge Clrm 321	Rothwell,W.F.	
				<i>Also offered as BIOL 80H</i>									
23884		BME-80H-01A		Discussion			DIS	M	11:00AM-12:10PM		Cowell Acad 113	Staff	
23885		BME-80H-01B		Discussion			DIS	T	06:00PM-07:10PM		Soc Sci 1 161	Staff	
23886		BME-80H-01C		Discussion			DIS	W	12:30PM-01:40PM		N. Sci Annex 102	Staff	
23887		BME-80H-01D		Discussion			DIS	F	08:00AM-09:10AM		Oakes Acad 222	Staff	
12714		BME-200-01		Teach Bioinformatic	3		LEC	Th	04:00PM-05:45PM		J Baskin Engr 169	Karplus,K.	R
22841		BME-205-01		BioinfoModel/Algorithm	5		LEC	MWF	02:00PM-03:10PM		J Baskin Engr 156	Karplus,K.	R
12715		BME-280B-01		Bioinformatics Sem	2		SEM	Th	12:00PM-01:45PM		J Baskin Engr 165	Karplus,K.	R
22091		BME-281H-01		Sem Compar Genomics	2		SEM		**To Be Arranged**			Haussler,D.	R
22092		BME-281K-01		Sem Prot Struc Pred	2		SEM		**To Be Arranged**			Karplus,K.	R
23394		BME-281L-01		Sem Comput Genetics	2		SEM		**To Be Arranged**			Lowe,T.M.	R
22152		BME-281S-01		Sem Comput Genomics	2		SEM		**To Be Arranged**			Stuart,J.M.	R

## Chemistry

12716		CHEM-1A-01		General Chemistry	5	NQ	LEC	MWF	11:00A-12:10P		ClassroomUnit 002	Schleich,T.W.	R
				<i>Enroll in lecture and associated discussion section</i>									
12717		CHEM-1A-01A		Discussion			DIS	T	12:00P-01:10P		Thimann Lab 101	Staff	
12718		CHEM-1A-01B		Discussion			DIS	Th	04:00P-05:10P		Thimann Lab 101	Staff	
12719		CHEM-1A-01C		Discussion			DIS	T	04:00P-05:10P		Thimann Lab 101	Staff	
12720		CHEM-1A-01D		Discussion			DIS	Th	06:00P-07:10P		Thimann Lab 101	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
12721		CHEM-1A-01E		Discussion		DIS	T		06:00P-07:10P		Thimann Lab 101	Staff	
12722		CHEM-1A-01F		Discussion		DIS	Th		08:00P-09:10P		Thimann Lab 101	Staff	
12723		CHEM-1A-01G		Discussion		DIS	M		08:00A-09:10A		Thimann Lab 101	Staff	
12724		CHEM-1A-01H		Discussion		DIS	W		08:00A-09:10A		Thimann Lab 101	Staff	
12725		CHEM-1A-01I		Discussion		DIS	F		08:00A-09:10A		Thimann Lab 101	Staff	
12726		CHEM-1A-01J		Discussion		DIS	T		08:30A-09:40A		Soc Sci 2 141	Staff	
12727		CHEM-1A-01K		Discussion		DIS	W		07:00P-08:10P		Thimann Lab 101	Staff	
12728		CHEM-1A-01L		Discussion		DIS	F		03:30P-04:40P		Thimann Lab 101	Staff	
12729		CHEM-1A-01M		Discussion		DIS	M		05:00P-06:10P		Thimann Lab 101	Staff	
12730		CHEM-1A-01N		Discussion		DIS	W		09:30A-10:30A		Thimann Lab 101	Staff	
12731		CHEM-1A-01O		Discussion		DIS	W		02:00P-03:10P		Thimann Lab 101	Staff	
12732		CHEM-1A-01P		Discussion		DIS	M		02:00P-03:10P		Thimann Lab 101	Staff	
22324		CHEM-1A-02		General Chemistry	5	NQ	LEC	MWF	08:00A-09:10A		Krsg Town Hall 466	Roland,R.E.	R
				<i>Enroll in lecture and associated discussion section</i>									
22325		CHEM-1A-02A		Discussion		DIS	T		08:00P-09:10P		Thimann Lab 101	Staff	
22326		CHEM-1A-02B		Discussion		DIS	Th		12:00P-01:10P		Thimann Lab 101	Staff	
22327		CHEM-1A-02C		Discussion		DIS	M		09:30A-10:40A		Thimann Lab 101	Staff	
22328		CHEM-1A-02D		Discussion		DIS	W		05:00P-06:10P		Thimann Lab 101	Staff	
22329		CHEM-1A-02E		Discussion		DIS	F		09:30A-10:40A		Thimann Lab 101	Staff	
22330		CHEM-1A-02F		Discussion		DIS	M		11:00A-12:10P		Thimann Lab 101	Staff	
22331		CHEM-1A-02G		Discussion		DIS	M		06:30P-07:40P		Soc Sci 1 149	Staff	
22332		CHEM-1A-02H		Discussion		DIS	F		02:00P-03:10P		Thimann Lab 101	Staff	
23399		CHEM-1A-02I		Discussion		DIS	T		06:00P-07:10P		Soc Sci 2 141	Staff	
23400		CHEM-1A-02J		Discussion		DIS	Th		08:00P-09:10P		Soc Sci 2 141	Staff	
23401		CHEM-1A-02K		Discussion		DIS	W		11:00A-12:10P		Soc Sci 1 149	Staff	
23402		CHEM-1A-02L		Discussion		DIS	F		03:30P-04:40P		Soc Sci 2 141	Staff	
12736		CHEM-1B-01		General Chemistry	5	NQ	LEC	MWF	11:00A-12:10P		Earth&Marine B206	Switkes,E.	R
				<i>Enroll in lecture and associated discussion section</i>									
12737		CHEM-1B-01A		Discussion		DIS	M		07:00P-08:10P		Thimann Lab 101	Staff	
12738		CHEM-1B-01B		Discussion		DIS	T		10:00A-11:10A		Soc Sci 2 141	Staff	
12739		CHEM-1B-01C		Discussion		DIS	Th		10:00A-11:10A		Soc Sci 2 141	Staff	
12740		CHEM-1B-01D		Discussion		DIS	W		08:00A-09:10A		Soc Sci 2 141	Staff	
12741		CHEM-1B-01E		Discussion		DIS	F		12:30P-01:40P		Soc Sci 2 141	Staff	
12742		CHEM-1B-01F		Discussion		DIS	M		08:00A-09:10A		Soc Sci 2 141	Staff	
12743		CHEM-1B-01G		Discussion		DIS	T		08:00P-09:10P		Soc Sci 2 141	Staff	
12744		CHEM-1B-01H		Discussion		DIS	W		07:00P-08:10P		Soc Sci 2 141	Staff	
12745		CHEM-1B-01I		Discussion		DIS	Th		08:30A-09:40A		Soc Sci 2 141	Staff	
24044		CHEM-1B-01J		Discussion		DIS	Th		06:00P-07:10P		Soc Sci 2 141	Staff	
24045		CHEM-1B-01K		Discussion		DIS	F		08:00A-09:10A		Soc Sci 2 141	Staff	
24046		CHEM-1B-01L		Discussion		DIS	T		06:00P-07:10P		Oakes Acad 103	Staff	
12747		CHEM-1M-01		Gen Chem Lab	2	LAB	T		12:15P-03:15P		Nat Sci 2 283	Roland,R.E.	R
23424		CHEM-1M-02		Gen Chem Lab	2	LAB	T		12:15P-03:15P		Nat Sci 2 273	Roland,R.E.	R
23425		CHEM-1M-03		Gen Chem Lab	2	LAB	T		03:30P-06:30P		Nat Sci 2 283	Roland,R.E.	R
23426		CHEM-1M-04		Gen Chem Lab	2	LAB	T		03:30P-06:30P		Nat Sci 2 273	Roland,R.E.	R
23427		CHEM-1M-05		Gen Chem Lab	2	LAB	T		07:00P-10:00P		Nat Sci 2 283	Roland,R.E.	R
23428		CHEM-1M-06		Gen Chem Lab	2	LAB	T		07:00P-10:00P		Nat Sci 2 273	Roland,R.E.	R
23429		CHEM-1M-07		Gen Chem Lab	2	LAB	W		12:15P-03:15P		Nat Sci 2 283	Roland,R.E.	R
23430		CHEM-1M-08		Gen Chem Lab	2	LAB	W		12:15P-03:15P		Nat Sci 2 273	Roland,R.E.	R
23431		CHEM-1M-09		Gen Chem Lab	2	LAB	W		03:30P-06:30P		Nat Sci 2 283	Roland,R.E.	R
23432		CHEM-1M-10		Gen Chem Lab	2	LAB	W		03:30P-06:30P		Nat Sci 2 273	Roland,R.E.	R
23433		CHEM-1M-11		Gen Chem Lab	2	LAB	W		07:00P-10:00P		Nat Sci 2 283	Roland,R.E.	R
23434		CHEM-1M-12		Gen Chem Lab	2	LAB	W		07:00P-10:00P		Nat Sci 2 273	Roland,R.E.	R
23435		CHEM-1M-13		Gen Chem Lab	2	LAB	Th		12:15P-03:15P		Nat Sci 2 283	Roland,R.E.	R
23436		CHEM-1M-14		Gen Chem Lab	2	LAB	Th		12:15P-03:15P		Nat Sci 2 273	Roland,R.E.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23437		CHEM-1M-15		Gen Chem Lab	2	LAB	Th		03:30P-06:30P		Nat Sci 2 283	Roland,R.E.	R
23438		CHEM-1M-16		Gen Chem Lab	2	LAB	Th		07:00P-10:00P		Nat Sci 2 283	Roland,R.E.	R
		CHEM-99F-XXX		Tutorial	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
12769		CHEM-108A-01		Organic Chemistry	5	LEC	TTh		10:00A-11:45A		Media Theater M110	Konopelski,J.P.	R
				<i>Enroll in lecture and associated discussion section</i>									
12770		CHEM-108A-01A		Discussion		DIS	M		08:00A-09:10A		Crown Clrm 201	Staff	
12771		CHEM-108A-01B		Discussion		DIS	T		08:30A-09:40A		Oakes Acad 101	Staff	
12772		CHEM-108A-01C		Discussion		DIS	W		12:30P-01:40P		Merrill Acad 002	Staff	
12773		CHEM-108A-01D		Discussion		DIS	Th		02:00P-03:10P		Oakes Acad 101	Staff	
12774		CHEM-108A-01E		Discussion		DIS	F		08:00A-09:10A		Crown Clrm 201	Staff	
12775		CHEM-108A-01F		Discussion		DIS	M		09:30A-10:40A		Merrill Acad 003	Staff	
12776		CHEM-108A-01G		Discussion		DIS	T		02:00P-03:10P		Oakes Acad 101	Staff	
12777		CHEM-108A-01H		Discussion		DIS	W		03:30P-04:40P		Merrill Acad 002	Staff	
12778		CHEM-108A-01I		Discussion		DIS	Th		08:00A-09:10A		Kresge Clrm 319	Staff	
12779		CHEM-108A-01J		Discussion		DIS	F		03:30P-04:40P		Crown Clrm 201	Staff	
12780		CHEM-108A-01K		Discussion		DIS	M		07:00P-08:10P		Soc Sci 2 171	Staff	
12781		CHEM-108A-01L		Discussion		DIS	T		06:00P-07:10P		Merrill Acad 003	Staff	
21496		CHEM-108A-01M		Discussion		DIS	W		09:30A-10:40A		Merrill Acad 003	Staff	
21497		CHEM-108A-01N		Discussion		DIS	Th		04:00P-05:10P		Merrill Acad 002	Staff	
23446		CHEM-108A-01O		Discussion		DIS	F		09:30A-10:40A		Merrill Acad 003	Staff	
23447		CHEM-108A-01P		Discussion		DIS	W		07:00P-08:10P		Soc Sci 2 171	Staff	
12782		CHEM-108L-01		Organic Chem Lab	2	LAB	F		11:00A-12:10P		Krsg Town Hall 466	Palleros,D.	R
				<i>Enroll in lab and associated secondary lab</i>									
12783		CHEM-108L-01A		Secondary Lab		LBS	T		12:30P-04:30P		Thimann Lab 261	Staff	
12784		CHEM-108L-01B		Secondary Lab		LBS	T		12:30P-04:30P		Thimann Lab 271	Staff	
12785		CHEM-108L-01C		Secondary Lab		LBS	T		05:30P-09:30P		Thimann Lab 261	Staff	
12786		CHEM-108L-01D		Secondary Lab		LBS	T		05:30P-09:30P		Thimann Lab 271	Staff	
12787		CHEM-108L-01E		Secondary Lab		LBS	W		08:00A-12:00P		Thimann Lab 261	Staff	
12788		CHEM-108L-01F		Secondary Lab		LBS	W		08:00A-12:00P		Thimann Lab 271	Staff	
12789		CHEM-108L-01G		Secondary Lab		LBS	W		12:30P-04:30P		Thimann Lab 261	Staff	
12790		CHEM-108L-01H		Secondary Lab		LBS	W		12:30P-04:30P		Thimann Lab 271	Staff	
12791		CHEM-108L-01I		Secondary Lab		LBS	W		05:30P-09:30P		Thimann Lab 261	Staff	
12792		CHEM-108L-01J		Secondary Lab		LBS	W		05:30P-09:30P		Thimann Lab 271	Staff	
12793		CHEM-108L-01K		Secondary Lab		LBS	Th		12:30P-04:30P		Thimann Lab 261	Staff	
12794		CHEM-108L-01L		Secondary Lab		LBS	Th		12:30P-04:30P		Thimann Lab 271	Staff	
12795		CHEM-108L-01M		Secondary Lab		LBS	Th		05:30P-09:30P		Thimann Lab 261	Staff	
12796		CHEM-108L-01N		Secondary Lab		LBS	Th		05:30P-09:30P		Thimann Lab 271	Staff	
12797		CHEM-108L-01O		Secondary Lab		LBS	W		08:00A-12:00P		Thimann Lab 257	Staff	
21514		CHEM-108L-01P		Secondary Lab		LBS	W		12:30P-04:30P		Thimann Lab 257	Staff	
23448		CHEM-108L-01Q		Secondary Lab		LBS	W		05:30P-09:30P		Thimann Lab 257	Staff	
23449		CHEM-108L-01R		Secondary Lab		LBS	Th		12:30P-04:30P		Thimann Lab 257	Staff	
12798		CHEM-112A-01		Organic Chemistry	5	LEC	TTh		10:00A-11:45A		N. Sci Annex 101	Lokey,R.S.	R
				<i>Enroll in lecture and associated discussion section</i>									
12799		CHEM-112A-01A		Discussion		DIS	M		12:30P-01:40P		Merrill Acad 002	Staff	
12800		CHEM-112A-01B		Discussion		DIS	W		05:00P-06:10P		Merrill Acad 002	Staff	
12801		CHEM-112A-01C		Discussion		DIS	F		08:00A-09:10A		Merrill Acad 002	Staff	
12802		CHEM-112A-01D		Discussion		DIS	M		06:30P-07:40P		Crown Clrm 201	Staff	
12803		CHEM-112L-01		Organic Chem Lab	2	LAB	F		02:00P-03:10P		N. Sci Annex 101	Palleros,D.	R
				<i>Enroll in lab and associated secondary lab</i>									
12804		CHEM-112L-01A		Secondary Lab		LBS	T		12:30P-04:30P		Thimann Lab 275	Staff	
12805		CHEM-112L-01B		Secondary Lab		LBS	T		05:30P-09:30P		Thimann Lab 275	Staff	
12806		CHEM-112L-01C		Secondary Lab		LBS	W		12:30P-04:30P		Thimann Lab 275	Staff	
12807		CHEM-112L-01D		Secondary Lab		LBS	W		05:30P-09:30P		Thimann Lab 275	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22154		CHEM-112L-01E		Secondary Lab		LBS	Th		12:30P-05:30P		Thimann Lab 275	Staff	
12808		CHEM-122-01		Instrumental Analys	5	W LEC	WF		11:00A-12:10P		Thimann Lab 101	Oliver,S.R.	R
12809		CHEM-122-01A		Secondary Lab		LBS	MTWTh		01:00P-05:00P		PhysSciences 465	Staff	
12810		CHEM-143-01		Org Chem Structure	5	LEC	TTh		10:00A-11:45A		PhysSciences 140	Singaram,B.	R
22353		CHEM-146A-01		Adv Lab Organic	2	LAB	TTh		01:00P-05:00P		Thimann Lab 249	Braslau,R.	R
12812		CHEM-163A-01		Quantum Mech & Spec	5	LEC	MWF		09:30A-10:40A		N. Sci Annex 101	Benjamin,I.	R
				<i>Enroll in lecture and associated discussion section</i>									
12813		CHEM-163A-01A		Discussion		DIS	T		08:30A-09:40A		Cowell Acad 223	Staff	
12814		CHEM-163A-01B		Discussion		DIS	W		06:30P-07:40P		Crown Clrm 201	Staff	
12815		CHEM-163A-01C		Discussion		DIS	T		10:00A-11:10A		Soc Sci I 149	Staff	
12816		CHEM-163A-01D		Discussion		DIS	Th		06:00P-07:10P		Oakes Acad 103	Staff	
12817		CHEM-164A-01		Data Analysis Lab	2	LAB	M		11:00A-12:10P		N. Sci Annex 103	Chen,S.	R
12818		CHEM-164A-01A		Secondary Lab		LBS			**To Be Arranged**			Staff	
		CHEM-180A-XXX		Senior Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-180B-XXX		Senior Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-180C-XXX		Senior Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-199F-XXX		Tutorial	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
13019		CHEM-200A-01		Adv Biophys Methods	5	LEC	MWF		09:30A-10:40A		PhysSciences 140	Staff	
13020		CHEM-240E-01		Mod Synthetic Metho	3	LEC	TTh		08:00A-09:45A		Thimann Lab 101	Singaram,B.	R
22354		CHEM-240F-01		Selectivity & Strat	3	LEC	TTh		10:00A-11:45A		J Baskin Engr 372	Braslau,R.	R
23452		CHEM-263-01		Quantum Mechanics	5	LEC	TTh		10:00A-11:45A		Thimann Lab 101	Zhang,J.Z.	R
22148		CHEM-274-01		Prosem Synth/Polymr	5	SEM	T		05:00P-08:00P		PhysSciences 357	Braslau,R.	
22985		CHEM-275-01		Bio Inorganic Chem	5	SEM	Th		02:00P-03:45P		PhysSciences 257	Holman,T.R.	
13021		CHEM-282-01		Synthetic Methods	5	SEM	Th		02:00P-04:00P		PhysSciences 357	Singaram,B.	
13022		CHEM-283-01		Prosem Phys O Chem	5	SEM	W		07:00P-10:00P		PhysSciences 357	Bernasconi,C.F.	
13023		CHEM-284-01		Prosem Syn Org Chem	5	SEM	M		10:30A-12:30P		PhysSciences 357	Konopelski,J.P.	
13024		CHEM-285-01		Photobiochem & Bio	5	LEC	M		12:30P-01:40P		PhysSciences 145	Bogomolni,R.A.	
13025		CHEM-286-01		Prosem Nat Pro Chem	5	SEM	W		02:00P-04:30P		PhysSciences 357	Crews,P.O.	
13026		CHEM-287-01		Protein Aggregation	5	SEM	Th		04:00P-05:45P		PhysSciences 257	Fink,A.L.	
13027		CHEM-288-01		Prosem In Bioinorga	5	SEM	Th		02:00P-03:45P		PhysSciences 257	Mascharak,P.	
13028		CHEM-291A-01		Organic Research	5	SEM	M		03:30P-04:40P		PhysSciences 240	Staff	R
				<i>Taught in conjunction with CHEM 291C</i>									
13029		CHEM-291B-01		Biochem Seminar	5	SEM	W		03:30P-04:40P		PhysSciences 240	Fink,A.L.	R
				<i>Taught in conjunction with CHEM 291D</i>									
13030		CHEM-291C-01		Inorganic Research	5	SEM	M		03:30P-04:40P		PhysSciences 240	Mascharak,P.	R
				<i>Taught in conjunction with CHEM 291A</i>									
13031		CHEM-291D-01		Physical Research	5	SEM	W		03:30P-04:40P		PhysSciences 240	Chen,S.	R
				<i>Taught in conjunction with CHEM 291B</i>									
13032		CHEM-292-01		Seminar	2	SEM	W		12:30P-01:40P		PhysSciences 240	Staff	R
13033		CHEM-296-01		Teaching Chemistry	3	SEM	M		02:00P-03:10P		PhysSciences 240	Palleros,D.	
		CHEM-297-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-299A-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-299B-XXX		Thesis Research	10	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CHEM-299C-XXX		Thesis Research	15	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

## Chinese

13180	CHIN-1-01	Chinese: Mandarin	5	LEC	MWF	08:00A-09:10A	Oakes Acad 102	Keenan,D.L.	
13181	CHIN-1-02	Chinese: Mandarin	5	LEC	MWF	09:30A-10:40A	Oakes Acad 102	Keenan,D.L.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
13182		CHIN-1-03		Chinese: Mandarin	5	LEC	MWF	11:00A-12:10P			Oakes Acad 102	Keenan,D.L.	
13183		CHIN-4-01		Intermed Chinese	5	H LEC	MWF	08:00A-09:10A			Cowell Acad 113	Ku,J.W.	R
13184		CHIN-50-01		Preadvanced Chinese	5	H SEM	MWF	11:00A-12:10P			Cowell Acad 223	Ku,J.W.	R
<b>Community Studies</b>													
13246		CMMU-70-01		<b>Video Lab</b> <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	T		02:00PM-03:45PM		Soc Sci 2 047	Wellman,D.T.	R
13247		CMMU-70-02		<b>Video Lab</b> <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	W		10:00AM-11:45AM		Soc Sci 2 047	Wellman,D.T.	R
13248		CMMU-70-03		<b>Video Lab</b> <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	Th		02:00PM-03:45PM		Soc Sci 2 047	Wellman,D.T.	R
13249		CMMU-71-01		<b>Basic Photo Lab</b> <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	M		02:00PM-03:45PM		Soc Sci 2 047	Wellman,D.T.	R
13250		CMMU-71-02		<b>Basic Photo Lab</b> <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	T		10:00AM-11:45AM		Soc Sci 2 047	Wellman,D.T.	R
13251		CMMU-71-03		<b>Basic Photo Lab</b> <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	F		02:00PM-03:45PM		Soc Sci 2 047	Wellman,D.T.	R
13252		CMMU-72-01		<b>Audio Lab</b> <i>Concurrent enrollment in CMMU 80L is required</i>	2	LAB	M		10:00AM-11:45AM		Soc Sci 2 047	Wellman,D.T.	R
13258		CMMU-80L-01		<b>Soc Documentation</b> <i>Enroll in lecture and associated discussion section</i>	5	3 LEC	MW		07:00PM-08:45PM		Eight Acad 240	Wellman,D.T.	
13259		CMMU-80L-01A		Discussion		DIS			**To Be Arranged**			Staff	
13260		CMMU-80L-01B		Discussion		DIS			**To Be Arranged**			Staff	
13261		CMMU-80L-01C		Discussion		DIS			**To Be Arranged**			Staff	
13262		CMMU-80L-01D		Discussion		DIS			**To Be Arranged**			Staff	
22356		CMMU-80Q-01		<b>Asian Amer Health</b> <i>Enroll in lecture and associated discussion section</i>	5	3E LEC	MW		05:00PM-06:45PM		Porter Acad 144	Woo,D.	
22870		CMMU-80Q-01A		Discussion		DIS			**To Be Arranged**			Staff	
22871		CMMU-80Q-01B		Discussion		DIS			**To Be Arranged**			Staff	
		CMMU-93-XXX		<b>Field Study</b> <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		CMMU-93F-XXX		<b>Fld Study Tutorial</b>	2	FLI			**To Be Arranged**			Staff	
		CMMU-93G-XXX		<b>Field Study</b> <i>See sponsoring agency for class number</i>	3	FLI			**To Be Arranged**			Staff	
		CMMU-99-XXX		<b>Tutorial</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CMMU-99F-XXX		<b>Tutorial</b>	2	IND			**To Be Arranged**			Staff	
23462	Y	CMMU-100E-01		<b>Economic Justice</b> <i>See Enrollment Conditions for instructions</i>	5	SE SEM	Th		06:00PM-07:45PM		Kresge Clrm 321	Pudup,M.B.	
				<b>Economic Justice</b>			TTh		12:00PM-01:45PM		Eight Acad 252	Pudup,M.B.	
23827	Y	CMMU-100F-01		<b>Public Health</b> <i>See Enrollment Conditions for instructions</i>	5	S SEM	Th		06:00PM-07:45PM		Kresge Clrm 321	Stoller,N.E.	
				<b>Public Health</b>			W		05:00PM-08:30PM		Oakes Acad 102	Stoller,N.E.	
22357	Y	CMMU-100K-01		<b>Culture and Health</b> <i>See Enrollment Conditions for instructions</i>	5	S SEM	Th		06:00PM-07:45PM		Kresge Clrm 321	Woo,D.	
				<b>Culture and Health</b>			MW		07:00PM-08:45PM		Oakes Acad 106	Woo,D.	
23463	Y	CMMU-100X-01		<b>Sex, Gender, Sexlty</b> <i>See Enrollment Conditions for instructions</i>	5	S SEM	Th		06:00PM-07:45PM		Kresge Clrm 321	Ochoa,M.	
				<b>Sex, Gender, Sexlty</b>			TTh		12:00PM-01:45PM		Oakes Acad 106	Ochoa,M.	
23981		CMMU-118-01		<b>Broadcast Journalism</b>	2	SEM			**To Be Arranged**			Mastramico,L.	
23982		CMMU-119-01		<b>Banana Slug News</b>	2	SEM			**To Be Arranged**			Goodman,R.A.	
23465		CMMU-148-01		<b>Womens Health Activ</b> <i>Enroll in lecture and associated discussion section</i>	5	LEC	M		05:00PM-08:30PM		Kresge Clrm 321	Stoller,N.E.	
23466		CMMU-148-01A		Discussion		DIS			**To Be Arranged**			Staff	
23467		CMMU-148-01B		Discussion		DIS			**To Be Arranged**			Staff	
23468		CMMU-148-01C		Discussion		DIS			**To Be Arranged**			Staff	
23469		CMMU-148-01D		Discussion		DIS			**To Be Arranged**			Staff	
23975		CMMU-152-01		<b>Gen/Sexuality/Lat Am</b>	5	E LEC	TTh		04:00PM-05:45PM		Eight Acad 252	Ochoa,M.	R
		CMMU-193-XXX		<b>Field Study</b> <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
CMMU-193F-XXX				<b>Field Study</b> <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**			Staff	
CMMU-193G-XXX				<b>Field Study</b> <i>See sponsoring agency for class number</i>	3	FLI			**To Be Arranged**			Staff	
CMMU-195A-XXX				<b>Sr Thesis</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
CMMU-195B-XXX				<b>Senior Thesis</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
CMMU-195C-XXX				<b>Senior Thesis</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
CMMU-198-XXX				<b>Indep Field Study</b> <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
CMMU-199-XXX				<b>Tutorial</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
CMMU-199F-XXX				<b>Tutorial</b> <b>See sponsoring agency for class number</b>	2	IND			**To Be Arranged**			Staff	
CMMU-297-XXX				<b>Independent Study</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	

### Computer Engineering

22180	CMPE-1-01	<b>Hands-on Comp Engr</b>	2	LAB	W				03:30PM-05:30PM		J Baskin Engr 104	Hughey,R.P.	R
13513	CMPE-3-01	<b>Personal Computers</b> <i>Enroll in lecture and associated secondary lab</i>	5	N	LEC	MW			05:00PM-06:45PM		ClassroomUnit 002	Staff	
13514	CMPE-3-01A	<b>Secondary Lab</b>		LBS					**To Be Arranged**			Staff	
13515	CMPE-3-01B	<b>Secondary Lab</b>		LBS					**To Be Arranged**			Staff	
21524	CMPE-3-01C	<b>Secondary Lab</b>		LBS					**To Be Arranged**			Staff	
22603	CMPE-3-01D	<b>Secondary Lab</b>		LBS					**To Be Arranged**			Staff	
23471	CMPE-3-01E	<b>Secondary Lab</b>		LBS					**To Be Arranged**			Staff	
23472	CMPE-3-01F	<b>Secondary Lab</b>		LBS					**To Be Arranged**			Staff	
23898	CMPE-8-01	<b>Robot Automation</b>	5	Q	LEC	TTh			02:00PM-03:45PM		J Baskin Engr 109	Dunbar,W.B.	
21582	CMPE-12-01	<b>Com Sys/Assmby Lan</b> <i>Concurrent enrollment in CMPE 12L is required</i>	5	NQ	LEC	TTh			06:00PM-07:45PM		PhysSciences 114	Elkaim,G.H.	R
23473	CMPE-12L-01	<b>Comp Sys/Lang Lab</b> <i>Concurrent enrollment in CMPE 12 is required</i>	2	LAB	M				01:30PM-03:30PM		J Baskin Engr 109	Elkaim,G.H.	R
13517	CMPE-12L-02	<b>Comp Sys/Lang Lab</b> <i>Concurrent enrollment in CMPE 12 is required</i>	2	LAB	W				01:30PM-03:30PM		J Baskin Engr 109	Elkaim,G.H.	R
13518	CMPE-12L-03	<b>Comp Sys/Lang Lab</b> <i>Concurrent enrollment in CMPE 12 is required</i>	2	LAB	T				09:30AM-11:30AM		J Baskin Engr 109	Elkaim,G.H.	R
24047	CMPE-12L-04	<b>Comp Sys/Lang Lab</b>	2	LAB	Th				09:30AM-11:30AM		J Baskin Engr 109	Staff	R
13520	CMPE-16-01	<b>Appl Discrete Math</b> <i>Enroll in lecture and associated discussion section</i>	5	Q	LEC	MWF			02:00PM-03:10PM		Kresge Clrm 327	Garcia-Luna-Aceves,J.J.	R
23134	CMPE-16-01A	<b>Discussion</b>		DIS	M				05:00PM-06:10PM		J Baskin Engr 165	Staff	
23135	CMPE-16-01B	<b>Discussion</b>		DIS	T				06:00PM-07:10PM		J Baskin Engr 165	Staff	
24048	CMPE-16-01C	<b>Discussion</b>		DIS	Th				08:30AM-09:40AM		J Baskin Engr 165	Staff	
24043	CMPE-80H-01	<b>HistModernComputing</b>	5	2	LEC	TTh			10:00AM-11:45AM		J Baskin Engr 156	Staff	
13521	CMPE-80N-01	<b>Intro to Networking</b>	5	2	LEC	TTh			06:00PM-07:45PM		ClassroomUnit 002	Staff	
23132	CMPE-80N-01A	<b>Discussion</b>		DIS	W				05:00PM-06:10PM		Engineer 2 194	Staff	
23133	CMPE-80N-01B	<b>Discussion</b>		DIS	F				08:00AM-09:10AM		Engineer 2 194	Staff	
23899	CMPE-80U-01	<b>Ubiquitous/MobileComp</b>	5	2	LEC	MWF			09:30AM-10:40AM		ClassroomUnit 002	Staff	
13524	CMPE-107-01	<b>Math Methods-Stoch</b>	5	LEC	TTh				06:00PM-07:45PM		J Baskin Engr 152	Brandwajn,A.	R
23474	CMPE-107-50	<b>Math Methods-Stoch</b>	5	LEC	TTh				06:00PM-07:45PM		Cupertino	Brandwajn,A.	R
13525	CMPE-110-01	<b>Computer Architect</b> <i>Enroll in lecture and associated discussion section</i>	5	LEC	TTh				02:00PM-03:45PM		Engineer 2 192	Staff	R
24051	CMPE-110-01A	<b>Discussion</b>		DIS	M				05:00PM-06:10PM		J Baskin Engr 169	Staff	
24052	CMPE-110-01B	<b>Discussion</b>		DIS	T				04:00PM-05:10PM		J Baskin Engr 169	Staff	
24053	CMPE-110-01C	<b>Discussion</b>		DIS	Th				08:30AM-09:40AM		J Baskin Engr 169	Staff	
13526	CMPE-121-01	<b>Micro System Design</b> <i>Concurrent enrollment in CMPE 121L is required</i>	5	LEC	MWF				03:30PM-04:40PM		Engineer 2 194	Petersen,S.C.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
13527		CMPE-121L-01		Micro Sys Desgn Lab <i>Concurrent enrollment in CMPE 121 is required</i>	2	LAB			**To Be Arranged**			Petersen,S.C.	R
13528	Y	CMPE-123A-01		Engr Design Proj I <i>Also offered as EE 123A</i>	5	LEC	TTh	04:00PM-05:45PM		J Baskin Engr 165		Bazeghi,C.A. Liu,W.	
23475		CMPE-151-01		Network Admstratrn	5	LEC	MWF	09:30AM-10:40AM		J Baskin Engr 169		Staff	R
22619		CMPE-174-01		Intro to EDA Tools	3	LAB			**To Be Arranged**	J Baskin Engr 104		Petersen,S.C.	R
24032		CMPE-185-01		Tech Writ Comp Eng	5	W LEC	TTh	04:00PM-05:45PM		Engineer 2 194		Larrabee,T.	R
		CMPE-193-XXX		Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		CMPE-194-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CMPE-195-XXX		Senior Thesis Res <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CMPE-198-XXX		Indiv Study Or Res <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CMPE-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
13581		CMPE-200-01		Resrch & Teaching <i>Taught in conjunction with CMPS 200</i>	3	SEM	Th	04:00PM-05:45PM		PhysSciences 110		Brandt,S.A. Mantey,P.E.	R
21626		CMPE-202-01		Comp Architecture	5	LEC	MW	05:00PM-06:45PM		J Baskin Engr 156		Renau Ardevol,J.	R
21770		CMPE-202-50		Comp Architecture	5	LEC	MW	05:00PM-06:45PM		Cupertino		Renau Ardevol,J.	R
22593		CMPE-222-01		Intro Vlsi Design	5	LEC	MWF	02:00PM-03:10PM		Merrill Acad 002		Staff	R
22842		CMPE-240-01		LinearDynamicalSystem	5	LEC	TTh	10:00AM-11:45AM		J Baskin Engr 165		Elkaim,G.H.	R
23477		CMPE-250-01		Multimedia Systems	5	SEM	MWF	09:30AM-10:40AM		J Baskin Engr 156		Manduchi,R.	R
13582		CMPE-252A-01		Computer Networks	5	LEC	TTh	12:00PM-01:45PM		J Baskin Engr 156		Varma,A.M.	R
24049		CMPE-258-01		Unix Network Intern	5	LEC	MW	07:00PM-08:45PM		J Baskin Engr 156		Staff	R
24050		CMPE-258-50		Unix Network Intern	5	LEC	MW	07:00PM-08:45PM		Cupertino		Staff	R
23478		CMPE-264-01		Image Analy/Com Vis	5	LEC	TTh	12:00PM-01:45PM		Soc Sci 1 149		Tao,H.	
23479		CMPE-276-01		Software Engineering	5	LEC	TTh	02:00PM-03:45PM		J Baskin Engr 156		De Alfaro,L.	R
22843		CMPE-280C-01		Seminar on Control	2	SEM	T	04:00PM-05:00PM		Engineer 2 486		Dunbar,W.B. Elkaim,G.H.	R
23480		CMPE-280P-01		Parallel Processing	2	SEM			**To Be Arranged**	TBA		Hughey,R.P.	R
												Renau Ardevol,J.	
22844		CMPE-280V-01		Seminar:ComputrVision	2	SEM			**To Be Arranged**	Engineer 2 301		Manduchi,R. Tao,H.	
23481		CMPE-293-01		Adv Topics in CMPE	5	SEM	TTh	10:00AM-11:45AM		Soc Sci 2 363		Schlag,M.	
		CMPE-297-XXX		Ind Study Or Resear <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		CMPE-299-XXX		Thesis Research <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	

## Computer Science

13909		CMPS-2-01		Computer Literacy <i>Enroll in lecture and associated secondary lab</i>	5	N LEC	TTh	04:00PM-05:45PM		Thim Lecture 003		Franca,P.B.	
21549		CMPS-2-01A		Secondary Lab		LBS			**To Be Arranged**			Staff	
23482		CMPS-2-01B		Secondary Lab		LBS			**To Be Arranged**			Staff	
21550		CMPS-2-01C		Secondary Lab		LBS			**To Be Arranged**			Staff	
21551		CMPS-2-01D		Secondary Lab		LBS			**To Be Arranged**			Staff	
21552		CMPS-2-01E		Secondary Lab		LBS			**To Be Arranged**			Staff	
21553		CMPS-2-01F		Secondary Lab		LBS			**To Be Arranged**			Staff	
23484		CMPS-2-01G		Secondary Lab		LBS			**To Be Arranged**			Staff	
21554		CMPS-2-01H		Secondary Lab		LBS			**To Be Arranged**			Staff	
23483		CMPS-2-01I		Secondary Lab		LBS			**To Be Arranged**			Staff	
21555		CMPS-2-01J		Secondary Lab		LBS			**To Be Arranged**			Staff	
13910		CMPS-10-01		Intro Computer Sci <i>Enroll in lecture and associated secondary lab</i>	5	N LEC	TTh	02:00PM-03:45PM		J Baskin Engr 152		Tantalo,P.	
22158		CMPS-10-01A		Secondary Lab		LBS	M	11:30AM-01:30PM		J Baskin Engr 109		Staff	
22159		CMPS-10-01B		Secondary Lab		LBS	T	04:00PM-06:00PM		J Baskin Engr 109		Staff	
22160		CMPS-10-01C		Secondary Lab		LBS	W	09:30AM-11:30AM		J Baskin Engr 109		Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22161		CMPS-10-01D		Secondary Lab		LBS	Th		06:00PM-08:00PM		J Baskin Engr 109	Staff	
22162		CMPS-10-01E		Secondary Lab		LBS	F		12:00PM-02:00PM		J Baskin Engr 109	Staff	
13911		CMPS-12A-01		Intro Programming	5	N LEC	MWF		09:30AM-10:40AM		Thim Lecture 001	McDowell,C.E.	R
				<i>Concurrent enrollment in CMPS 12L is required</i>									
21542		CMPS-12L-01		Comp Prog Lab	2	LAB	MW		03:30PM-05:00PM		J Baskin Engr 105	McDowell,C.E.	R
				<i>Concurrent enrollment in CMPS 12A is required</i>									
21543		CMPS-12L-02		Comp Prog Lab	2	LAB	MW		05:00PM-06:30PM		J Baskin Engr 105	McDowell,C.E.	R
				<i>Concurrent enrollment in CMPS 12A is required</i>									
21544		CMPS-12L-03		Comp Prog Lab	2	LAB	MW		03:30PM-05:00PM		Crwn Comp Lab 201	McDowell,C.E.	R
				<i>Concurrent enrollment in CMPS 12A is required</i>									
24054		CMPS-12L-04		Comp Prog Lab	2	LAB	MW		05:00PM-06:30PM		Crwn Comp Lab 201	Staff	R
				<i>Concurrent enrollment in CMPS 12A is required</i>									
22605		CMPS-60G-01		Beg Program Soc Sci	5	N LEC	TTh		10:00AM-11:45AM		Porter Acad 144	Franca,P.B.	
				<i>Enroll in lecture and associated secondary lab</i>									
22606		CMPS-60G-01A		Secondary Lab		LBS			**To Be Arranged**			Staff	
22607		CMPS-60G-01B		Secondary Lab		LBS			**To Be Arranged**			Staff	
22608		CMPS-60G-01C		Secondary Lab		LBS			**To Be Arranged**			Staff	
22609		CMPS-60G-01D		Secondary Lab		LBS			**To Be Arranged**			Staff	
23485		CMPS-60G-01E		Secondary Lab		LBS			**To Be Arranged**			Staff	
23486		CMPS-80B-01		System & Simulation	5	2Q LEC	MWF		09:30AM-10:40AM		Engineer 2 194	Levinson,R.A.	
				<i>Enroll in lecture and associated secondary lab</i>									
23487		CMPS-80B-01A		Secondary Lab		LBS	M		02:00PM-03:45PM		MingOng Cmp Lb 108	Staff	
23488		CMPS-80B-01B		Secondary Lab		LBS	W		02:00PM-03:45PM		MingOng Cmp Lb 108	Staff	
23489		CMPS-80B-01C		Secondary Lab		LBS	F		02:00PM-03:45PM		MingOng Cmp Lb 108	Staff	
13918		CMPS-101-01		Abstract Data Types	5	LEC	MWF		11:00AM-12:10PM		Engineer 2 194	Tantalo,P.	R
				<i>Enroll in lecture and associated secondary lab</i>									
21559		CMPS-101-01A		Secondary Lab		LBS	M		09:30AM-11:30AM		J Baskin Engr 109	Staff	
21560		CMPS-101-01B		Secondary Lab		LBS	W		07:00PM-09:00PM		J Baskin Engr 109	Staff	
13919		CMPS-102-01		Intro Algorithm Anyl	5	LEC	MWF		03:30PM-04:40PM		Engineer 2 192	Achlioptas,D.	R
				<i>Enroll in lecture and associated discussion section</i>									
23127		CMPS-102-01A		Discussion		DIS			**To Be Arranged**			Staff	
23128		CMPS-102-01B		Discussion		DIS			**To Be Arranged**			Staff	
13920		CMPS-104A-01		Fund Compiler Des I	5	LEC	MWF		12:30PM-01:40PM		J Baskin Engr 156	Mackey,W.F.	R
13921		CMPS-104A-01A		Secondary Lab		LBS	T		04:00PM-06:00PM		J Baskin Engr 105	Staff	
13922		CMPS-104A-01B		Secondary Lab		LBS	W		09:30AM-11:30AM		J Baskin Engr 105	Staff	
13923		CMPS-104A-01C		Secondary Lab		LBS	Th		01:00PM-03:00PM		J Baskin Engr 105	Staff	
21767		CMPS-111-01		Intro Operating Sys	5	LEC	MWF		02:00PM-03:10PM		Engineer 2 192	Mackey,W.F.	R
21768		CMPS-111-01A		Secondary Lab		LBS	M		09:30AM-11:30AM		J Baskin Engr 105	Staff	
21769		CMPS-111-01B		Secondary Lab		LBS	T		02:00PM-04:00PM		J Baskin Engr 105	Staff	
23491		CMPS-111-01C		Secondary Lab		LBS	Th		06:00PM-08:00PM		J Baskin Engr 105	Staff	
13924		CMPS-130-01		Computational Model	5	LEC	MWF		11:00AM-12:10PM		Engineer 2 192	Bailey,D.D.	R
13925		CMPS-160-01		Intro Comp Graphics	5	LEC	TTh		10:00AM-11:45AM		Engineer 2 194	Davis,J.E.	R
				<i>Concurrent enrollment in CMPS 160L is required</i>									
21814		CMPS-160L-01		Comp Graphics Lab	2	LAB	M		03:00PM-05:00PM		Soc Sci I 135	Davis,J.E.	R
				<i>Concurrent enrollment in CMPS 160 is required</i>									
13926		CMPS-190X-01		Methods Cryptography	5	LEC	MWF		02:00PM-03:10PM		Porter Acad 250	Yellin,J.	R
		CMPS-193-XXX		Field Study	5	FLI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-194-XXX		Group Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-195-XXX		Sr Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-198-XXX		Ind Stu Or Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
13987		CMPS-200-01		Research & Teaching	3	SEM	Th		04:00PM-05:45PM		PhysSciences 110	Brandt,S.A.	R
				<i>Taught in conjunction with CMPE 200</i>									
				Research & Teaching					04:00PM-05:45PM		PhysSciences 110	Mantey,P.E.	
13988		CMPS-201-01		Analysis Algorithms	5	LEC	MWF		12:30PM-01:40PM		Engineer 2 194	Van Gelder,A.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
13989		CMPS-203-01		Programming Languag	5	LEC	MWF	02:00PM-03:10PM			Engineer 2 194	McDowell,C.E	
13990		CMPS-221-01		Adv Operating System	5	LEC	TTh	12:00PM-01:45PM			J Baskin Engr 372	Brandt,S.A.	R
13991		CMPS-242-01		Machine Learning	5	LEC	MWF	03:30PM-04:40PM			J Baskin Engr 156	Helmbold,D.P.	R
		CMPS-296-XXX		Masters Project	2	IND		**To Be Arranged**				Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-297-XXX		Indep Stdy/Research	5	IND		**To Be Arranged**				Staff	
				<i>See sponsoring agency for class number</i>									
		CMPS-299-XXX		Thesis Research	5	IND		**To Be Arranged**				Staff	
				<i>See sponsoring agency for class number</i>									

## Digital Art and Media

21606		DANM-201-01		RecMethods&Approach	5	LEC	W	12:00P-03:00P			**To Be Arranged**	Morse,M.E.	R
23831		DANM-210-01		Project Design Studio	5	STU	M	03:00P-06:00P			Porter Acad 245	Daniel,S.A.	
23828		DANM-214-01		Sound Design	5	STU	M	02:00P-05:00P			TA Mainstage A214	Staff	R
				<i>Also offered as THEA 214</i>									
23494		DANM-247-01		Performnc/Performtiv	5	SEM	T	02:00P-05:00P			Porter Acad 245	Soussloff,C.M.	R
				<i>Also offered as HISC 247</i>									
22365		DANM-250B-01		CollaborResearGroups	5	LAB	W	10:00A-11:45A			Baskin Paint E102	Anderson,E.W.	R

## Earth Sciences

23496		EART-5-01		California Geology	5	N LEC	TTh	10:00A-11:45A			Earth&Marine B206	Moore,J.C.	
				<i>Enroll in lecture and associated discussion section; concurrent enrollment in EART 5L is required for majors and minors</i>									
23497		EART-5-01A		Discussion		DIS	T	08:30A-09:30A			Earth&Marine D226	Staff	
23498		EART-5-01B		Discussion		DIS	T	02:00P-03:00P			Earth&Marine D226	Staff	
23499		EART-5-01C		Discussion		DIS	W	11:00A-12:00P			Earth&Marine D226	Staff	
23500		EART-5-01D		Discussion		DIS	W	12:30P-01:30P			Earth&Marine D226	Staff	
23501		EART-5-01E		Discussion		DIS	Th	08:30A-09:30A			Earth&Marine D226	Staff	
23502		EART-5-01F		Discussion		DIS	Th	06:00P-07:00P			Earth&Marine D226	Staff	
23503		EART-5L-01		Calif Geology Lab	1	LAB	W	06:00P-09:00P			Earth&Marine D226	Moore,J.C.	
				<i>Concurrent enrollment in EART 5 is required for majors and minors</i>									
23504		EART-5L-02		Calif Geology Lab	1	LAB	Th	02:00P-05:00P			Earth&Marine D226	Moore,J.C.	
				<i>Concurrent enrollment in EART 5 is required for majors and minors</i>									
10002		EART-6-01		Concptns Envrmtlism	5	N LEC	TTh	12:00P-01:45P			N. Sci Annex 101	Chuang,P.Y.	
				<i>Enroll in lecture and associated discussion section</i>									
23505		EART-6-01A		Discussion		DIS	T	02:00P-03:00P			Earth&Marine D258	Staff	
23506		EART-6-01B		Discussion		DIS	T	03:30P-04:30P			Earth&Marine D258	Staff	
23507		EART-6-01C		Discussion		DIS	W	06:00P-07:00P			Earth&Marine D258	Staff	
23508		EART-6-01D		Discussion		DIS	Th	08:30A-09:30A			Earth&Marine D258	Staff	
14498		EART-80A-01		Earth Catastrophes	5	2 LEC	MWF	09:30A-10:40A			Thim Lecture 003	Koch,P.L.	
				Earth Catastrophes				09:30A-10:40A			Thim Lecture 003	Lay,T.	
				<i>Enroll in lecture and associated discussion section</i>									
14499		EART-80A-01A		Discussion		DIS	M	11:00A-12:00P			Earth&Marine D250	Staff	
14500		EART-80A-01B		Discussion		DIS	M	03:30P-04:30P			Earth&Marine D250	Staff	
14501		EART-80A-01C		Discussion		DIS	T	09:30A-10:30A			Earth&Marine D250	Staff	
14502		EART-80A-01D		Discussion		DIS	T	11:00A-12:00P			Earth&Marine D250	Staff	
14503		EART-80A-01E		Discussion		DIS	W	12:30P-01:30P			Earth&Marine D250	Staff	
14504		EART-80A-01F		Discussion		DIS	W	06:00P-07:00P			Earth&Marine D250	Staff	
23509		EART-80A-01G		Discussion		DIS	Th	02:00P-03:00P			Earth&Marine D250	Staff	
14505		EART-80A-01H		Discussion		DIS	F	11:00A-12:00P			Earth&Marine D250	Staff	
		EART-98-XXX		Internship	5	IND		**To Be Arranged**				Staff	
				<i>See sponsoring agency for class number</i>									
14510		EART-102-01		Marine Geology	5	LEC	TTh	10:00A-11:45A			N. Sci Annex 102	Delaney,M.L.	R
				<i>Also offered as OCEA 280</i>									
14511		EART-102-01A		Discussion		DIS	T	12:00P-01:45P			Earth&Marine B214	Staff	
21538		EART-104-01		Geologic Hazards	5	LEC	TTh	12:00P-01:45P			Earth&Marine D258	Schwartz,S.Y.	R
21539		EART-104-01A		Discussion		DIS	Th	02:00P-04:00P			Earth&Marine D258	Staff	
21540		EART-104-01B		Discussion		DIS	F	10:00A-12:00P			Earth&Marine D258	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
14512	EART-109-01			<b>Field Geology</b> <i>Concurrent enrollment in EART109L is required</i>	5	LEC	TTh		10:00A-11:45A		Earth&Marine D258	Schwartz,H.L.	R
14513	EART-109L-01			<b>Field Geology Lab</b> <i>Concurrent enrollment in EART 109 is required</i>	2	LAB	W		09:30A-12:30P		Earth&Marine D258	Schwartz,H.L.	
14514	EART-109L-02			<b>Field Geology Lab</b> <i>Concurrent enrollment in EART 109 is required</i>	2	LAB	W		02:00P-05:00P		Earth&Marine D258	Schwartz,H.L.	
14515	EART-110A-01			<b>Evolution Of Earth</b> <i>Concurrent enrollment in EART 110L is required</i>	5	LEC	TTh		02:00P-03:45P		N. Sci Annex 101	Williams,Q. Zachos,J.C.	R
14516	EART-110L-01			<b>Evol of Earth Lab</b> <i>Concurrent enrollment in EART 110A is required</i>	2	LAB	T		06:00P-09:00P		Earth&Marine D250	Williams,Q. Zachos,J.C.	R
14517	EART-110L-02			<b>Evol of Earth Lab</b> <i>Concurrent enrollment in EART 110A is required</i>	2	LAB	W		09:00A-12:00P		Earth&Marine D250	Williams,Q. Zachos,J.C.	R
14518	EART-110L-03			<b>Evol of Earth Lab</b> <i>Concurrent enrollment in EART 110A is required</i>	2	LAB	Th		06:00P-09:00P		Earth&Marine D250	Williams,Q. Zachos,J.C.	R
22818	EART-111-01			<b>Math in Earth Science</b>	5	LEC	TTh		12:00P-01:45P		Earth&Marine D226	Nimmo,W.H.	R
22819	EART-111-01A			<b>Discussion</b>		DIS	W		03:00P-05:00P		Earth&Marine D226	Staff	
22820	EART-111-01B			<b>Discussion</b>		DIS	F		11:00A-01:00P		Earth&Marine D226	Staff	
23525	EART-117-01			<b>Paleomagnetism</b> <i>Concurrent enrollment in EART 117L is required</i>	5	LEC	MWF		09:30A-10:40A		Earth&Marine D226	Coe,R.S.	R
23526	EART-117L-01			<b>Paleomagnetism Lab</b> <i>Concurrent enrollment in EART 117 is required</i>	2	LAB	T		06:00P-09:00P		Earth&Marine D226	Coe,R.S.	R
23527	EART-128-01			<b>Stable Isot Geochem</b>	5	LEC	MW		12:00P-01:45P		Earth&Marine D236	Hourigan,J.K.	R
				<b>Stable Isot Geochem</b>					12:00P-01:45P		Earth&Marine D236	Zachos,J.C.	
14519	EART-190-01			<b>Earth Sci Mentors</b>	1	SEM	M		11:00A-12:00P		Earth&Marine D258	Staff	R
	EART-195-XXX			<b>Senior Thesis</b>	5	W	IND		**To Be Arranged**			Staff	
14547	EART-196A-01			<b>Intro Teaching Sem</b> <i>Taught in conjunction with EART 203</i>	2	SEM	Th		06:00P-09:00P		Earth&Marine D258	Staff	R
	EART-196B-XXX			<b>Teach Eart Sci/Univ</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
	EART-196C-XXX			<b>Teach Eart Sci/Univ</b> <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
	EART-198-XXX			<b>Eart Sci Internship</b> <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
	EART-198F-XXX			<b>Earth Sci Internship</b> <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
	EART-199-XXX			<b>Tutorial</b> <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
	EART-199F-XXX			<b>Tutorial</b> <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
14616	EART-203-01			<b>Intro Teaching Sem</b> <i>Taught in conjunction with EART 196A</i>	2	LEC	Th		06:00P-09:00P		Earth&Marine D258	Staff	R
14617	EART-205-01			<b>Intro Graduate Sem</b>	5	SEM	MW		04:00P-05:45P		Earth&Marine D236	Fisher,A.T.	R
23537	EART-220-01			<b>Groundwatr Modeling</b> <i>Enroll in lecture and associated discussion section</i>	5	LEC	MWF		02:00P-03:10P		Earth&Marine D250	Fisher,A.T.	R
23538	EART-220-01A			<b>Discussion</b>		DIS	T		01:00P-04:00P		Earth&Marine D250	Staff	
23539	EART-231-01			<b>Igneous Petrology</b>	5	LEC	TTh		02:00P-03:45P		Earth&Marine D236	Gill,J.B.	
23540	EART-275-01			<b>Magnetohydrodynamic</b>	5	LEC	TTh		10:00P-11:45P		Earth&Marine D236	Glatzmaier,G.A.	R
14618	EART-290F-01			<b>Coastal Processes</b>	2	SEM	Th		03:30P-05:30P		Lg Discovery 128A	Griggs,G.B.	R
14619	EART-292-01			<b>Seminar</b>	0	SEM	TTh		04:00P-05:45P		N. Sci Annex 101	Staff	
14620	EART-292-02			<b>Seminar</b>	0	SEM	F		03:30P-05:00P		N. Sci Annex 101	Ravelo,A.C.	
	EART-298-XXX			<b>Eart Sci Internship</b> <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	

## Economics

14788	ECON-1-01			<b>Intro Microeconomic</b> <i>Enroll in lecture and associated discussion section</i>	5	S	LEC	MWF	12:30PM-01:40PM		ClassroomUnit 002	Flannery,M.	
14789	ECON-1-01A			<b>Discussion</b>			DIS	M	09:30AM-10:40AM		Oakes Acad 106	Staff	
14790	ECON-1-01B			<b>Discussion</b>			DIS	W	08:00AM-09:10AM		Oakes Acad 106	Staff	
14791	ECON-1-01C			<b>Discussion</b>			DIS	F	08:00AM-09:10AM		Oakes Acad 106	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
I4792		ECON-1-01D		Discussion		DIS	T		04:00PM-05:10PM		Engineer 2 192	Staff	
I4793		ECON-1-01E		Discussion		DIS	Th		02:00PM-03:10PM		Oakes Acad 106	Staff	
I4794		ECON-1-01F		Discussion		DIS	M		07:00PM-08:10PM		Cowell Com 134	Staff	
I4795		ECON-1-01G		Discussion		DIS	W		09:30AM-10:40AM		Oakes Acad 106	Staff	
I4796		ECON-1-01H		Discussion		DIS	F		03:30PM-04:40PM		Oakes Acad 106	Staff	
I4797		ECON-1-01I		Discussion		DIS	Th		04:00PM-05:10PM		Oakes Acad 106	Staff	
I4798		ECON-1-01K		Discussion		DIS	Th		07:30PM-08:40PM		Cowell Com 134	Staff	
I4799		ECON-1-01L		Discussion		DIS	W		03:30PM-04:40PM		Eight Acad 250	Staff	
I4800		ECON-2-01		Intro Macroeconomic	5	S	LEC	MWF	03:30PM-04:40PM		Media Theater M110	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
I4801		ECON-2-01A		Discussion		DIS	M		08:00AM-09:10AM		Kresge Clrm 323	Staff	
I4802		ECON-2-01B		Discussion		DIS	T		08:30AM-09:40AM		Soc Sci 1 161	Staff	
I4803		ECON-2-01C		Discussion		DIS	W		07:00PM-08:10PM		Kresge Clrm 323	Staff	
I4804		ECON-2-01D		Discussion		DIS	Th		07:30PM-08:30PM		J Baskin Engr 372	Staff	
23541		ECON-2-01E		Discussion		DIS	F		11:00AM-12:10PM		Cowell Acad 113	Staff	
23542		ECON-2-01F		Discussion		DIS	M		05:00PM-06:10PM		Kresge Clrm 323	Staff	
21515		ECON-2-01G		Discussion		DIS	T		06:00PM-07:10PM		Oakes Acad 102	Staff	
I4805		ECON-2-01H		Discussion		DIS	Th		08:30AM-09:40AM		Soc Sci 1 161	Staff	
23543		ECON-2-01I		Discussion		DIS	T		07:30PM-08:40PM		Oakes Acad 102	Staff	
23544		ECON-2-01J		Discussion		DIS	Th		06:00PM-07:10PM		Oakes Acad 102	Staff	
I4806		ECON-2-01K		Discussion		DIS	M		07:00PM-08:10PM		Engineer 2 192	Staff	
I4807		ECON-2-01L		Discussion		DIS	W		08:00AM-09:10AM		Kresge Clrm 323	Staff	
I4808		ECON-10A-01		Econ Of Accounting	5		LEC	TTh	04:00PM-05:45PM		J Bask Aud 101	Shepherd,R.J.	
I4809		ECON-10A-01A		Discussion		DIS	M		08:00AM-09:10AM		Soc Sci 2 171	Staff	
I4810		ECON-10A-01B		Discussion		DIS	T		10:00AM-11:10AM		Soc Sci 2 171	Staff	
I4811		ECON-10A-01C		Discussion		DIS	W		03:30PM-04:40PM		Crown Clrm 201	Staff	
I4812		ECON-10A-01D		Discussion		DIS	Th		06:00PM-07:10PM		J Baskin Engr 169	Staff	
I4813		ECON-10A-01E		Discussion		DIS	F		08:00AM-09:10AM		Soc Sci 2 171	Staff	
I4814		ECON-10A-01F		Discussion		DIS	M		03:30PM-04:40PM		Soc Sci 2 171	Staff	
I4815		ECON-10A-01G		Discussion		DIS	T		07:30PM-08:40PM		Cowell Acad 216	Staff	
I4816		ECON-10A-01H		Discussion		DIS	W		08:00AM-09:10AM		Soc Sci 2 171	Staff	
23545		ECON-10A-01I		Discussion		DIS	Th		10:00AM-11:10AM		Soc Sci 2 171	Staff	
23546		ECON-10A-01J		Discussion		DIS	F		03:30PM-04:40PM		Soc Sci 2 171	Staff	
I4817		ECON-10A-02		Econ Of Accounting	5		LEC	MW	05:00PM-06:45PM		Oakes Acad 105	Gusarson,D.D.	
I4818		ECON-10A-02A		Discussion		DIS	M		07:00PM-08:10PM		Oakes Acad 101	Staff	
I4819		ECON-10A-02B		Discussion		DIS	T		04:00PM-05:10PM		Kresge Clrm 319	Staff	
I4820		ECON-10A-02C		Discussion		DIS	W		07:00PM-08:10PM		Oakes Acad 101	Staff	
23547		ECON-10A-02D		Discussion		DIS	Th		08:30AM-09:40AM		Soc Sci 2 363	Staff	
23548		ECON-10A-02E		Discussion		DIS	F		08:00AM-09:10AM		Kresge Clrm 319	Staff	
23549		ECON-10A-02F		Discussion		DIS	T		08:30AM-09:40AM		Cowell Acad 216	Staff	
I4821		ECON-10A-02G		Discussion		DIS	Th		07:30PM-08:40PM		Crown Clrm 201	Staff	
23550		ECON-10A-02H		Discussion		DIS	T		12:00PM-01:10PM		Crown Clrm 201	Staff	
23551		ECON-10A-02I		Discussion		DIS	Th		10:00AM-11:10AM		Cowell Acad 216	Staff	
I4822		ECON-11A-01		Math Methd for Econ	5		NQ LEC	MWF	08:00AM-09:10AM		J Baskin Engr 152	Katznelson,J.R.	R
				<i>Also offered as AMS 11A</i>									
I4823		ECON-11A-01A		Discussion		DIS	T		08:30AM-09:40AM		Oakes Acad 222	Staff	
I4824		ECON-11A-01B		Discussion		DIS	Th		08:30AM-09:40AM		Eight Acad 242	Staff	
I4825		ECON-11A-01C		Discussion		DIS	T		07:30PM-08:40PM		Soc Sci 1 161	Staff	
I4826		ECON-11A-01D		Discussion		DIS	Th		07:30PM-08:40PM		Eight Acad 242	Staff	
22386		ECON-11A-01E		Discussion		DIS	Th		12:00PM-01:10PM		Soc Sci 2 165	Staff	
22387		ECON-11A-01F		Discussion		DIS	W		02:00PM-03:10PM		Oakes Acad 222	Staff	
I4827		ECON-11B-01		Math Methd for Econ	5		Q LEC	MWF	12:30PM-01:40PM		J Baskin Engr 152	Katznelson,J.R.	R
				<i>Also offered as AMS 11B</i>									
I4828		ECON-11B-01A		Discussion		DIS	T		08:30AM-09:40AM		Merrill Acad 130	Staff	
I4829		ECON-11B-01B		Discussion		DIS	Th		06:00PM-07:10PM		Eight Acad 242	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
14830		ECON-11B-01C		Discussion		DIS	T		07:30PM-08:40PM		Merrill Acad 130	Staff	
14831		ECON-11B-01D		Discussion		DIS	Th		08:30AM-09:40AM		Kresge Clrm 325	Staff	
22388		ECON-11B-01E		Discussion		DIS	W		03:30PM-04:40PM		Oakes Acad 222	Staff	
22389		ECON-11B-01F		Discussion		DIS	Th		08:30AM-09:40AM		Soc Sci 2 159	Staff	
23916		ECON-80J-01		Value/Support Arts <i>Taught in conjunction with ECON 185</i>	5	5	LEC	MW	05:00PM-06:45PM		PhysSciences 110	Kaun,D.E.	
14838		ECON-100A-01		Intermed Microecon	5		LEC	MWF	09:30AM-10:40AM		J Bask Aud 101	Marion,J.	R
14839		ECON-100A-01A		Discussion		DIS	T		08:30AM-09:30AM		Cowell Acad 113	Staff	
14840		ECON-100A-01B		Discussion		DIS	Th		06:00PM-07:10PM		Cowell Acad 113	Staff	
14841		ECON-100A-01C		Discussion		DIS	T		12:00PM-01:10PM		J Baskin Engr 165	Staff	
14842		ECON-100A-01D		Discussion		DIS	Th		08:30AM-09:30AM		Oakes Acad 102	Staff	
14843		ECON-100A-01E		Discussion		DIS	Th		07:30PM-08:40PM		Cowell Acad 113	Staff	
22229		ECON-100A-01F		Discussion		DIS	W		07:00PM-08:10PM		Soc Sci 1 161	Staff	
10004		ECON-100B-01		Intermed Macroecon	5		LEC	MWF	12:30PM-01:40PM		ClassroomUnit 001	Kletzer,L.G.	R
14845		ECON-100B-01A		Discussion		DIS	M		03:30PM-04:40PM		Kresge Clrm 325	Staff	
14846		ECON-100B-01B		Discussion		DIS	T		06:00PM-07:10PM		Merrill Acad 130	Staff	
14847		ECON-100B-01C		Discussion		DIS	W		08:00AM-09:10AM		Merrill Acad 132	Staff	
14848		ECON-100B-01D		Discussion		DIS	Th		04:00PM-05:10PM		Oakes Acad 222	Staff	
14849		ECON-100B-01E		Discussion		DIS	F		08:00AM-09:10AM		Kresge Clrm 325	Staff	
14850		ECON-100B-01F		Discussion		DIS	Th		07:30PM-08:40PM		Merrill Acad 132	Staff	
23555		ECON-101-01		Managerial Econ	5		LEC	TTh	06:00PM-07:45PM		Oakes Acad 105	Gonzalez,J.H.	R
23556		ECON-101-01A		Discussion		DIS	M		07:00PM-08:10PM		Kresge Clrm 325	Staff	
23557		ECON-101-01B		Discussion		DIS	W		05:00PM-06:10PM		Merrill Acad 130	Staff	
23558		ECON-101-01C		Discussion		DIS	F		11:00AM-12:10PM		Kresge Clrm 325	Staff	
23559		ECON-101-01D		Discussion		DIS	Th		02:00PM-03:10PM		Oakes Acad 222	Staff	
24061		ECON-108-01		Business and Society	5		LEC	MWF	03:30PM-04:40PM		Kresge Clrm 327	Staff	
14852		ECON-111A-01		Intermed Account I <i>Taught in conjunction with ECON 209A</i>	5		LEC	TTh	10:00AM-11:45AM		J Bask Aud 101	Shepherd,R.J.	R
14853		ECON-111A-01A		Discussion		DIS	M		08:00AM-09:10AM		Soc Sci 2 363	Staff	
14854		ECON-111A-01B		Discussion		DIS	T		04:00PM-05:10PM		Merrill Acad 002	Staff	
14855		ECON-111A-01C		Discussion		DIS	W		08:00AM-09:10AM		Crown Clrm 201	Staff	
14856		ECON-111A-01D		Discussion		DIS	Th		06:00PM-07:10PM		Soc Sci 2 171	Staff	
14857		ECON-111A-01E		Discussion		DIS	F		08:00AM-09:10AM		Soc Sci 2 363	Staff	
14858		ECON-111A-01F		Discussion		DIS	M		07:00PM-08:10PM		Kresge Clrm 319	Staff	
14859		ECON-111A-01G		Discussion		DIS	T		07:30PM-08:40PM		Crown Clrm 201	Staff	
14860		ECON-111A-01H		Discussion		DIS	W		05:00PM-06:10PM		Cowell Acad 216	Staff	
14861		ECON-111A-01I		Discussion		DIS	Th		02:00PM-03:10PM		Cowell Acad 216	Staff	
23560		ECON-111A-01J		Discussion		DIS	F		03:30PM-04:40PM		Soc Sci 2 363	Staff	
14862		ECON-113-01		Intro Econometrics	5	Q	LEC	MWF	08:00AM-09:10AM		ClassroomUnit 001	Staff	
14863		ECON-113-01A		Discussion		DIS	T		07:30PM-08:40PM		Oakes Acad 222	Staff	
14864		ECON-113-01B		Discussion		DIS	Th		06:00PM-07:10PM		Merrill Acad 130	Staff	
23561		ECON-113-01C		Discussion		DIS	M		05:00PM-06:10PM		Merrill Acad 130	Staff	
14865		ECON-113-01D		Discussion		DIS	W		07:00PM-08:10PM		Soc Sci 1 153	Staff	
14866		ECON-113-01E		Discussion		DIS	F		03:30PM-04:40PM		Kresge Acad 194	Staff	
23562		ECON-113-01F		Discussion		DIS	Th		08:30AM-09:40AM		Kresge Acad 194	Staff	
22686		ECON-118-01		Fraud Examination	5		LEC	MWF	03:30PM-04:40PM		Oakes Acad 105	Gusarson,D.D.	R
22687		ECON-118-01A		Discussion		DIS	M		08:00AM-09:10AM		Kresge Clrm 319	Staff	
22688		ECON-118-01B		Discussion		DIS	T		08:30AM-09:40AM		Kresge Clrm 319	Staff	
22689		ECON-118-01C		Discussion		DIS	W		07:00PM-08:10PM		Kresge Clrm 319	Staff	
22690		ECON-118-01D		Discussion		DIS	Th		08:30AM-09:40AM		Cowell Acad 216	Staff	
22691		ECON-118-01E		Discussion		DIS	F		11:00AM-12:10PM		Kresge Clrm 319	Staff	
23563		ECON-118-01F		Discussion		DIS	T		12:00PM-01:10PM		Cowell Acad 216	Staff	
23564		ECON-118-01G		Discussion		DIS	Th		04:00PM-05:10PM		Cowell Acad 216	Staff	
23565		ECON-118-01H		Discussion		DIS	W		11:00AM-12:10PM		Cowell Acad 216	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22911		ECON-120-01		Economic Developmnt	5	E	LEC	MWF	03:30PM-04:40PM		Thim Lecture 001	Staff	R
23108		ECON-120-01A		Discussion			DIS	T	08:00PM-09:10PM		Kresge Acad 194	Staff	
23109		ECON-120-01B		Discussion			DIS	Th	08:30AM-09:40AM		Merrill Acad 130	Staff	
23110		ECON-120-01C		Discussion			DIS	M	11:00AM-12:10PM		Kresge Clrm 325	Staff	
23566		ECON-120-01D		Discussion			DIS	Th	07:30PM-08:40PM		Oakes Acad 222	Staff	
23567		ECON-126-01		Why Succeed/Fail	5		LEC	TTh	04:00PM-05:45PM		Kresge Clrm 321	Elbaum,B.L.	R
23568		ECON-126-01A		Discussion			DIS	F	08:00AM-09:10AM		Kresge Clrm 323	Staff	
23569		ECON-126-01B		Discussion			DIS	M	07:00PM-08:10PM		Oakes Acad 102	Staff	
23570		ECON-126-01C		Discussion			DIS	W	07:00PM-08:10PM		Cowell Acad 113	Staff	
23571		ECON-126-01D		Discussion			DIS	Th	08:30AM-09:40AM		Cowell Acad 113	Staff	
23283		ECON-128-01		Povrty/Public Policy <i>Also offered as LGST 128</i>	5	WE	LEC	TTh	02:00PM-03:45PM		Crown Clrm 208	London,R.A.	R
22922		ECON-135-01		Corporate Finance	5		LEC	TTh	08:00AM-09:45AM		PhysSciences 110	Cheung,Y.	R
23572		ECON-135-01A		Discussion			DIS	M	08:00AM-09:10AM		Oakes Acad 222	Staff	
23573		ECON-135-01B		Discussion			DIS	W	08:00AM-09:10AM		Merrill Acad 130	Staff	
23574		ECON-135-01C		Discussion			DIS	F	03:30PM-04:40PM		Oakes Acad 222	Staff	
23575		ECON-135-01D		Discussion			DIS	M	07:00PM-08:10PM		Oakes Acad 222	Staff	
21517		ECON-136-01		Business Strategy	5		LEC	MWF	09:30AM-10:40AM		J Baskin Engr 152	Flannery,M.	R
23230		ECON-136-01A		Discussion			DIS	T	06:00PM-07:10PM		Oakes Acad 222	Staff	
23231		ECON-136-01B		Discussion			DIS	W	07:00PM-08:10PM		Merrill Acad 130	Staff	
23576		ECON-136-01C		Discussion			DIS	Th	08:00PM-09:10PM		Kresge Acad 194	Staff	
23577		ECON-136-01D		Discussion			DIS	M	02:00PM-03:10PM		Oakes Acad 222	Staff	
21518		ECON-136L-01		Busness Stratgy Lab	2		LAB		**To Be Arranged**			Flannery,M.	R
22396		ECON-138-01		Tecnology & Innovat	5		LEC	TTh	04:00PM-05:45PM		Soc Sci 2 179	Singh,N.	R
14868		ECON-140-01		International Trade	5		LEC	TTh	08:00AM-09:45AM		Thim Lecture 001	Staff	R
14869		ECON-140-01A		Discussion			DIS	W	07:00PM-08:10PM		Cowell Com 134	Staff	
14870		ECON-140-01B		Discussion			DIS	F	09:30AM-10:40AM		Oakes Acad 106	Staff	
22397		ECON-150-01		Public Finance <i>Taught in conjunction with ECON 250</i>	5		LEC	MWF	02:00PM-03:10PM		Soc Sci 2 179	Marion,J.	R
14871		ECON-162-01		Legal Env Business <i>Also offered as LGST 162</i>	5		LEC	MW	05:00PM-06:45PM		PhysSciences 114	Bosso,R.E.	R
23584		ECON-165-01		Experimental Scien	5	W	LEC	TTh	10:00AM-11:45AM		PhysSciences 136	Staff	R
23585		ECON-183-01		Women in Economy	5	W	LEC	MWF	09:30AM-10:40AM		PhysSciences 110	Kletzer,L.G.	R
23587		ECON-183-01A		Discussion			DIS	T	04:00PM-05:10PM		Oakes Acad 222	Staff	
23588		ECON-183-01B		Discussion			DIS	Th	08:30AM-09:40AM		Oakes Acad 222	Staff	
23915		ECON-185-01		Value/Support Arts <i>Taught in conjunction with ECON 80J</i>	5		LEC	MW	05:00PM-06:45PM		PhysSciences 110	Kaun,D.E.	
14873	Y	ECON-186-01		Mathematical Mthds <i>See Enrollment Conditions for instructions</i>	5		LEC		**To Be Arranged**			Staff	
		ECON-193-XXX		Field Study <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
15014		ECON-200-01		Microecon Analysis	5		LEC	TTh	12:00PM-01:45PM		Soc Sci 2 159	Staff	
15015		ECON-204A-01		Adv Microecon Theor	5		LEC	TTh	12:00PM-01:45PM		Soc Sci 2 137	Friedman,D.	
15016		ECON-205A-01		Adv Macroecon Theor	5		LEC	MW	05:00PM-06:45PM		Soc Sci 2 137	Kletzer,K.M.	
15017		ECON-209A-01		Accounting I <i>Taught in conjunction with ECON 111A</i>	5		LEC	TTh	10:00AM-11:45AM		J Bask Aud 101	Shepherd,R.J.	R
15018		ECON-210B-01		Math Methods Econ	5		LEC		**To Be Arranged**			Costain,J.S.	
15019		ECON-211C-01		Empirical Research	5		LEC	TTh	12:00PM-01:45PM		Soc Sci 2 171	Cheung,Y.	
15045		ECON-216-01		Applied Economet I	5		LEC	TTh	08:00AM-09:45AM		Soc Sci 2 165	Fairlie,R.W.	
22921		ECON-234-01		Fin.Instit & Market	5		LEC	TTh	08:00AM-09:45AM		Soc Sci 2 171	Friedman,D.	R
15046		ECON-240A-01		Adv Intl Trade Thy	5		LEC	MW	05:00PM-06:45PM		Soc Sci 2 363	McCalman,P.	R
15047		ECON-241A-01		Adv Intl Finance I	5		LEC	TTh	10:00AM-11:45AM		J Baskin Engr 169	Aizenman,J.	
22398		ECON-250-01		Adv Public Finance <i>Taught in conjunction with ECON 150</i>	5		SEM	MWF	02:00PM-03:10PM		Soc Sci 2 179	Marion,J.	
23599		ECON-270-01		Adv Microec Theory	5		LEC	TTh	08:00AM-09:45AM		Soc Sci 2 137	Staff	
15073		ECON-294A-01		Applied Econ Lab	2		LAB		**To Be Arranged**			Fairlie,R.W.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
		ECON-295A-XXX		Directed Reading <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		ECON-295B-XXX		Directed Reading <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
15151		ECON-296A-01		3rd Year Ph.D. Sem	5	SEM			**To Be Arranged**			Singh,N.	R

## Education

23620		EDUC-92A-01		Evolution Of Educ <i>Enroll in lecture and associated discussion section</i>	5	S LEC	MW		05:00PM-06:45PM		Earth&Marine B206	Glass,R.	
23625		EDUC-92A-01A		Discussion		DIS			**To Be Arranged**			Staff	
23626		EDUC-92A-01B		Discussion		DIS			**To Be Arranged**			Staff	
23627		EDUC-92A-01C		Discussion		DIS			**To Be Arranged**			Staff	
23628		EDUC-92A-01D		Discussion		DIS			**To Be Arranged**			Staff	
23629		EDUC-92A-01E		Discussion		DIS			**To Be Arranged**			Staff	
23630		EDUC-92A-01F		Discussion		DIS			**To Be Arranged**			Staff	
23631		EDUC-92A-01G		Discussion		DIS			**To Be Arranged**			Staff	
23632		EDUC-92A-01H		Discussion		DIS			**To Be Arranged**			Staff	
23633		EDUC-92A-01I		Discussion		DIS			**To Be Arranged**			Staff	
23634		EDUC-92A-01J		Discussion		DIS			**To Be Arranged**			Staff	
23635		EDUC-92A-01K		Discussion		DIS			**To Be Arranged**			Staff	
23636		EDUC-92A-01L		Discussion		DIS			**To Be Arranged**			Staff	
23637		EDUC-92A-01M		Discussion		DIS			**To Be Arranged**			Staff	
23638		EDUC-92A-01N		Discussion		DIS			**To Be Arranged**			Staff	
23639		EDUC-92A-01O		Discussion		DIS			**To Be Arranged**			Staff	
		EDUC-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
21522		EDUC-160-01		Educ Reform Issues	5	LEC	TTh		02:00PM-03:45PM		Engineer 2 194	Bartlett,L.	R
22848		EDUC-180-01		Intro To Teaching	5	LEC	MW		05:00PM-06:45PM		J Baskin Engr 152	Tellez,K.T.	R
22849		EDUC-180-01A		Discussion		DIS			**To Be Arranged**			Staff	
22850		EDUC-180-01B		Discussion		DIS			**To Be Arranged**			Staff	
23734		EDUC-180-01C		Discussion		DIS			**To Be Arranged**			Staff	
23735		EDUC-180-01D		Discussion		DIS			**To Be Arranged**			Staff	
23736		EDUC-180-01E		Discussion		DIS			**To Be Arranged**			Staff	
23737		EDUC-180-01F		Discussion		DIS			**To Be Arranged**			Staff	
21523		EDUC-181-01		Race, Class, Cultur	5	E LEC	TTh		10:00AM-11:45AM		Porter Acad 148	Tellez,K.T.	R
		EDUC-194-XXX		Group Projects <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
		EDUC-198-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		EDUC-199-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	
15394		EDUC-200A-01		Intr Educat Inquiry	5	SEM	M		02:00PM-05:00PM		Soc Sci 1 239	Ogawa,R.T.	R
15395		EDUC-203-01		Beg Student Teach	5	LEC	TTh		02:00PM-03:45PM		Merrill Acad 132	Bilardello,J.A.	
15396		EDUC-203-02		Beg Student Teach	5	LEC	TTh		04:00PM-05:45PM		Porter Acad 249	Staff	
15397		EDUC-203-03		Beg Student Teach	5	LEC	TTh		02:00PM-03:45PM		Porter Acad 249	Staff	
15398		EDUC-203-04		Beg Student Teach	5	LEC	TTh		04:00PM-05:45PM		Porter Acad 246	Kipps,M.J.	
15399		EDUC-203-05		Beg Student Teach	5	LEC	TTh		04:00PM-05:45PM		Merrill Acad 132	Curtiss,P.R.	
15400		EDUC-203-06		Beg Student Teach	5	LEC	TTh		02:00PM-03:45PM		Soc Sci 1 153	McGinty,I.R.	
15401		EDUC-203-07		Beg Student Teach	5	LEC	TTh		02:00PM-03:45PM		Soc Sci 2 159	Staff	
15402		EDUC-203-08		Beg Student Teach	5	LEC	TTh		02:00PM-03:45PM		Soc Sci 2 165	Melville,M.T.	
23621		EDUC-203-09		Beg Student Teach	5	LEC			**To Be Arranged**			Marchese,T.E.	
15403		EDUC-211A-01		Reading & Lang Arts	5	LEC	TTh		04:00PM-05:45PM		Eight Acad 242	Pease-Alvarez,L.	R
15405		EDUC-212B-01		Sci Ed:Resrch/Pract	5	LEC	TTh		02:00PM-03:45PM		Soc Sci 2 167	Ash,D.B.	R
15406		EDUC-213A-01		Math Learn & Teach	5	LEC	Th		08:00AM-11:20AM		Cardiff House 113	Melville,M.T.	R
22415		EDUC-213A-02		Math Learn & Teach	5	LEC	TTh		12:00PM-01:45PM		Kresge Acad 194	Aguirre,J.M.	R
15407		EDUC-213B-01		Math Education	5	LEC	TTh		04:00PM-05:45PM		Soc Sci 2 363	Aguirre,J.M.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
15408		EDUC-214A-01		English Teaching	5	SEM	TTh		02:00PM-03:45PM		Soc Sci 2 363	Olsen,B.	R
23640		EDUC-215B-01		Soc Sci Teaching	5	LEC	TTh		02:00PM-03:45PM		Merrill Acad 130	Staff	R
21525		EDUC-253-01		Methods Engl Lang	5	LEC	MW		02:00PM-03:45PM		Cardiff House 113	Staff	R
21526		EDUC-253-02		Methods Engl Lang	5	LEC	MW		04:00PM-05:45PM		Cardiff House 113	Bunch,G.	R
23641		EDUC-253-03		Methods Engl Lang	5	LEC	T		08:00AM-11:20AM		Cardiff House 113	McGinty,I.R.	R
23081		EDUC-260A-01		Math Educ & Latinos	2	SEM	M		09:00AM-11:00AM		Soc Sci 1 239	Aguirre,J.M.	R
15410		EDUC-261-01		Think,Learn,Teach	5	SEM	TTh		10:00AM-12:00PM		Soc Sci 1 239	Scott,J.A.	R
22830		EDUC-265B-01		TopicsElemEducation	2	LEC			**To Be Arranged**			Staff	R
22831		EDUC-265B-02		TopicsElemEducation	2	LEC			**To Be Arranged**			Staff	R
23642		EDUC-266D-01		Lang and Power in Ed	5	SEM	Th		09:30AM-12:30PM		Soc Sci 1 239	Olsen,B.	R
15411		EDUC-269A-01		Doctoral Proseminar	2	SEM			**To Be Arranged**			Staff	R
21586		EDUC-270A-01		2nd Yr Prof Dev Sem	2	SEM	W		12:30PM-02:00PM		Soc Sci 1 239	Gibson,M.A.	R
23045		EDUC-272-01		Policy and Reform	5	SEM			**To Be Arranged**		CalStateMontereyBay	O'Shea,M.	R
				<i>This course is taught at CSUMB</i>									
23046		EDUC-275B-01		Res Sem Educ Reform	5	SEM			**To Be Arranged**		CalStateMontereyBay	Bartlett,L.	R
				<i>This course is taught at CSUMB</i>									
23643		EDUC-275F-01		Res Sem: Data Coll 227B	5	SEM			**To Be Arranged**		CalStateMontereyBay	Whang,P.	R
				<i>This course is taught at CSUMB</i>									
23644		EDUC-277B-01		Data Coll & Fieldwork	5	SEM			**To Be Arranged**		CalStateMontereyBay	Wells,C.G.	R
				<i>This course is taught at CSUMB</i>									
15412		EDUC-284A-01		Adv Student Teach	5	SEM			**To Be Arranged**			Marchese,T.E.	R
15413		EDUC-284B-01		Adv Student Teach	5	SEM			**To Be Arranged**			Marchese,T.E.	R
15414		EDUC-284C-01		Adv Student Teach	5	SEM			**To Be Arranged**			Marchese,T.E.	R
21527		EDUC-295-01		Portfolio Developmt	2	SEM			**To Be Arranged**			Marchese,T.E.	R
		EDUC-297-XXX		Indep Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		EDUC-299-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

## Electrical Engineering

15480		EE-70-01		Intro Elec Circuits	5	LEC	TTh		04:00PM-05:45PM		Porter Acad 144	Pedrotti,K.	R
				<i>Previous or concurrent enrollment in EE 70L is required</i>									
15481		EE-70L-01		Intr Elec Circ Lab	1	LAB			**To Be Arranged**			Pedrotti,K.	R
				<i>Previous or concurrent enrollment in EE 70 is required</i>									
23918		EE-103-01		Signals & Systems	5	LEC	TTh		12:00PM-01:45PM		Engineer 2 194	Narasimhan,R.K.	R
22967		EE-115-01		Intro: MEMS Design	5	LEC	TTh		02:00PM-03:45PM		J Baskin Engr 165	Kubby,J.A.	R
21610	Y	EE-123A-01		Engr Design Proj I	5	LEC	TTh		04:00PM-05:45PM		J Baskin Engr 165	Bazeghi,C.A. Liu,W.	R
				<i>Also offered as CMPE 123A</i>									
21520		EE-145-01		Props Of Materials	5	LEC	TTh		10:00AM-11:45AM		Engineer 2 192	Schmidt,H.	R
				<i>Concurrent enrollment in EE 145L is required</i>									
21521		EE-145L-01		Props Of Matrls Lab	1	LAB			**To Be Arranged**			Schmidt,H.	R
				<i>Concurrent enrollment in EE 145 is required</i>									
23645		EE-233-01		Fiber & Int Optics	5	LEC	TTh		10:00AM-11:45AM		Porter Acad 250	Gu,C.X.	R
23029		EE-251-01		Digital Communicatn	5	LEC	TTh		04:00PM-05:45PM		J Baskin Engr 156	Friedlander,B.	R
23646		EE-263-01		Adv Coding Theory	5	LEC	TTh		02:00PM-03:45PM		Soc Sci 2 171	Sadjadpour,H.R.	R

## Environmental Studies

15616		ENVS-24-01		General Ecology	5	N LEC	TTh		12:00PM-01:45PM		Earth&Marine B206	Washburn,J.O.	
				<i>Enroll in lecture and associated discussion section</i>									
15617		ENVS-24-01A		Discussion		DIS			**To Be Arranged**			Staff	
15618		ENVS-24-01B		Discussion		DIS			**To Be Arranged**			Staff	
15619		ENVS-24-01C		Discussion		DIS			**To Be Arranged**			Staff	
15620		ENVS-24-01D		Discussion		DIS			**To Be Arranged**			Staff	
15621		ENVS-24-01E		Discussion		DIS			**To Be Arranged**			Staff	
15622		ENVS-24-01F		Discussion		DIS			**To Be Arranged**			Staff	
22156		ENVS-24-01G		Discussion		DIS			**To Be Arranged**			Staff	
22157		ENVS-24-01H		Discussion		DIS			**To Be Arranged**			Staff	
21528		ENVS-80B-01		Forecast Globl Warm	5	7 LEC	TTh		12:00PM-01:45PM		Oakes Acad 105	Loik,M.E.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
		ENVS-83-XXX		Internship <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
22692		ENVS-91F-01		Community /Agroecolgy 2 <i>Taught in conjunction with ENVS 191F</i>	2	SEM	Th		04:00PM-05:45PM		Lower Quarry	Rabkin,S.	
15675		ENVS-100-01		Ecology and Society <i>Concurrent enrollment in ENVS 100L is required</i>	5	LEC	TTh		10:00AM-11:45AM		ClassroomUnit 001	Fitzsimmons,M.I. Gilbert,G.S.	R
15676		ENVS-100L-01		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	T		08:00AM-09:45AM			Rabkin,S.	R
15677		ENVS-100L-02		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	T		12:00PM-01:45PM			Rabkin,S.	R
15678		ENVS-100L-03		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	T		02:00PM-03:45PM			Rabkin,S.	R
15679		ENVS-100L-04		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	T		04:00PM-05:45PM			Rabkin,S.	R
15680		ENVS-100L-05		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	T		06:00PM-07:45PM			Rabkin,S.	R
15681		ENVS-100L-06		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	Th		08:00AM-09:45AM			Rabkin,S.	R
15682		ENVS-100L-07		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	Th		12:00PM-01:45PM			Rabkin,S.	R
15683		ENVS-100L-08		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	Th		02:00PM-03:45PM			Rabkin,S.	R
23079		ENVS-100L-09		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	Th		04:00PM-05:45PM			Rabkin,S.	R
23080		ENVS-100L-10		Ecol & Soc Writ Lab <i>Concurrent enrollment in ENVS 100 is required</i>	2	W LAB	Th		06:00PM-07:45PM			Rabkin,S.	R
21529		ENVS-115A-01		GIS & Envnmntl Applic <i>Concurrent enrollment in ENVS 115L is required</i>	5	LEC	TTh		02:00PM-03:45PM		Porter Acad 144	Fulfrost,B.	R
21530		ENVS-115L-01		GIS & Envrn App Lab <i>Concurrent enrollment in ENVS 115A is required</i>	2	LAB	M		08:30AM-11:30AM		ISB 486	Fulfrost,B.	R
21531		ENVS-115L-02		GIS & Envrn App Lab <i>Concurrent enrollment in ENVS 115A is required</i>	2	LAB	W		08:30AM-11:30AM		ISB 486	Fulfrost,B.	R
21532		ENVS-115L-03		GIS & Envrn App Lab <i>Concurrent enrollment in ENVS 115A is required</i>	2	LAB	M		12:30PM-03:30PM		ISB 486	Fulfrost,B.	R
21533		ENVS-115L-04		GIS & Envrn App Lab <i>Concurrent enrollment in ENVS 115A is required</i>	2	LAB	W		12:30PM-03:30PM		ISB 486	Fulfrost,B.	R
15685		ENVS-130A-01		Agroeco & Sust Ag <i>Concurrent enrollment in ENVS 130L is required</i>	5	LEC	MWF		02:00PM-03:10PM		Eight Acad 240	Gliessman,S.R.	R
15686	Y	ENVS-130L-01		Agroeco & Sust Lab <i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>	2	LAB	T		08:30AM-11:30AM		Agroecology 103	Gliessman,S.R.	
15687	Y	ENVS-130L-02		Agroeco & Sust Lab <i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>	2	LAB	W		08:30AM-11:30AM		Agroecology 103	Gliessman,S.R.	
15688	Y	ENVS-130L-03		Agroeco & Sust Lab <i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>	2	LAB	Th		08:30AM-11:30AM		Agroecology 103	Gliessman,S.R.	
15689	Y	ENVS-130L-04		Agroeco & Sust Lab <i>See Enrollment Conditions for instructions; concurrent enrollment in ENVS 130A is required.</i>	2	LAB	F		08:30AM-11:30AM		Agroecology 103	Gliessman,S.R.	
22416		ENVS-141-01		Nat Resources/Econ	5	LEC	TTh		12:00PM-01:45PM		Porter Acad 148	Richards,A.R.	R
15690		ENVS-160-01		Restoration Ecology	5	LEC	MWF		11:00AM-12:10PM		ISB 221	Holl,K.D.	R
23662		ENVS-165-01		Fresh Water Policy	5	LEC	MWF		12:30PM-01:40PM		Soc Sci 2 075	Haddad,B.M.	R
23663		ENVS-165-01A		Discussion		DIS			**To Be Arranged**			Staff	
23664		ENVS-165-01B		Discussion		DIS			**To Be Arranged**			Staff	
		ENVS-183-XXX		Envs Stu Internship <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		ENVS-183B-XXX		Senior Internship <i>See sponsoring agency for class number</i>	5	FLI			**To Be Arranged**			Staff	
		ENVS-184-XXX		Envs Stu Internship <i>See sponsoring agency for class number</i>	2	FLI			**To Be Arranged**			Staff	
22693		ENVS-191F-01		Community/Agroecolgy 2 <i>Taught in conjunction with ENVS 91F</i>	2	SEM	Th		04:00PM-05:45PM		Lower Quarry	Rabkin,S.	R
16077		ENVS-201A-01		Keywords & Concepts	5	SEM	TTh		10:00AM-11:45AM		ISB 455	Letourneau,D.K.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22418		ENVS-230-01		Agro & Sustain Agri	5		SEM		**To Be Arranged**		ISB 455	Shennan,C.	R
23666		ENVS-240-01		Policy & Conservatn	5		SEM		**To Be Arranged**		ISB 455	Press,D.M.	R
16078		ENVS-290-01		Interdis Research	2		SEM M		03:30PM-05:00PM		N. Sci Annex 101	Rajan,S.R.	R
16079		ENVS-290L-01		Research Seminar	2		LAB M		02:00PM-03:10PM		ISB 221	Rajan,S.R.	R
16080		ENVS-292-01		Research In Envs	2		SEM		**To Be Arranged**			Cheng,W.	R
16081		ENVS-292-02		Research In Envs	2		SEM		**To Be Arranged**			Fitzsimmons,M.I.	R
16082		ENVS-292-03		Research In Envs	2		SEM		**To Be Arranged**			Gilbert,G.S.	R
16083		ENVS-292-04		Research In Envs	2		SEM		**To Be Arranged**			Gliessman,S.R.	R
22420		ENVS-292-05		Research In Envs	2		SEM		**To Be Arranged**			Haddad,B.M.	R
16084		ENVS-292-06		Research In Envs	2		SEM		**To Be Arranged**			Holl,K.D.	R
16085		ENVS-292-07		Research In Envs	2		SEM		**To Be Arranged**			Letourneau,D.K.	R
16086		ENVS-292-08		Research In Envs	2		SEM		**To Be Arranged**			Loik,M.E.	R
16087		ENVS-292-09		Research In Envs	2		SEM		**To Be Arranged**			Press,D.M.	R
16088		ENVS-292-10		Research In Envs	2		SEM		**To Be Arranged**			Rajan,S.R.	R
21536		ENVS-292-11		Research In Envs	2		SEM		**To Be Arranged**			Richards,A.R.	R
23667		ENVS-292-12		Research In Envs	2		SEM		**To Be Arranged**			Shennan,C.	R

### Environmental Toxicology

16193		ETOX-80E-01		Aquatic Toxicology	5	2Q	LEC	TTh	02:00P-03:45P		PhysSciences 114	Flegal,A.R.	
22717		ETOX-101-01		Source of Pollutnts	5		LEC	TTh	10:00A-11:45A		ClassroomUnit 201	Flegal,A.R.	
				<i>Taught in conjunction with ETOX 201</i>									
		ETOX-195-XXX		Senior Thesis	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		ETOX-198-XXX		Independent Study	5		IND		**To Be Arranged**			Saltikov,C.W.	
				<i>See sponsoring agency for class number</i>									
		ETOX-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
21494		ETOX-201-01		Sources/Pollutants	5		LEC	TTh	10:00A-11:45A		ClassroomUnit 201	Flegal,A.R.	R
				<i>Taught in conjunction with ETOX 101</i>									
23864		ETOX-281C-01		TopicsEnvirMicrobio	2		SEM		**To Be Arranged**			Saltikov,C.W.	
16214		ETOX-281F-01		Topics Aquatic Tox	5		SEM		**To Be Arranged**			Flegal,A.R.	R
23674		ETOX-281O-01		Bacterial Pathogen	2		SEM		**To Be Arranged**			Ottemann,K.M.	R
23675		ETOX-281S-01		Cell&Org/Toxicants	5		SEM		**To Be Arranged**			Smith,D.R.	R
16215		ETOX-281Y-01		Bacterial Biofilms	2		SEM		**To Be Arranged**			Yildiz,F.	R
16216		ETOX-292-01		Intro Grad Seminar	0		SEM	T	12:00P-01:00P		PhysSciences 240	Saltikov,C.W.	R

### Feminist Studies

21167		FMST-1-01		Intro To Feminisms	5	H	LEC	TTh	02:00PM-03:45PM		ClassroomUnit 002	Aptheker,B.F.	
				<i>Mandatory sections to be assigned during first week of class</i>									
21564		FMST-112-01		Women and the Law	5		LEC	TTh	12:00PM-01:45PM		Kresge Clrm 327	Dent,G.	R
				<i>Also offered as POLI 112; mandatory sections to be assigned during first week of class</i>									
24071		FMST-123-01		Fem/Cltr Prod/Film	5	AE	LEC	TTh	04:00PM-07:00PM		Kresge Clrm 327	Mongia,R.V.	
				<i>Mandatory sections to be assigned during first week of classes</i>									
		FMST-193-XXX		Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		FMST-193F-XXX		Field Study	2		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
23865	Y	FMST-194G-01		Images of Africa	5		SEM	W	02:00PM-05:00PM		Kresge Clrm 325	Dent,G.	
				<i>See Enrollment Conditions for instructions</i>									
		FMST-195-XXX		Sr Thesis or Project	5	W	IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
21200	Y	FMST-196-01		Feminist Meth Teach	5		SEM	TTh	10:00AM-11:45AM		Soc Sci 2 165	Aptheker,B.F.	
				<i>See Enrollment Conditions for instructions</i>									
		FMST-198-XXX		Indep Field Study	5		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		FMST-198F-XXX		Indep Field Study	2		FLI		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		FMST-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

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		FMST-199F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND			**To Be Arranged**			Staff	
23866		FMST-225A-01		Theories Of Slavery Also offered as HISC 205A	5	SEM	W		02:00PM-05:00PM		Oakes Acad 109	Davis,A.Y.	R
		FMST-297-XXX		Independent Study <i>See sponsoring agency for class number</i>	5	IND			**To Be Arranged**			Staff	

## Film and Digital Media

16251	FILM-20A-01	The Film Experience	5	HA LEC	T				06:30P-09:30P		Media Theater M110	Staff	R
		<i>Enroll in lecture and associated discussion section</i>											
					TTh				04:00P-05:45P		Media Theater M110		
16252	FILM-20A-01A	Discussion		DIS	W				09:00A-10:00A		Commun Bldg 121	Staff	
16253	FILM-20A-01B	Discussion		DIS	W				10:15A-11:15A		Commun Bldg 121	Staff	
16254	FILM-20A-01C	Discussion		DIS	W				11:30A-12:30P		Commun Bldg 121	Staff	
16255	FILM-20A-01D	Discussion		DIS	W				12:45P-01:45P		Commun Bldg 121	Staff	
16256	FILM-20A-01E	Discussion		DIS	W				02:00P-03:00P		Commun Bldg 121	Staff	
16257	FILM-20A-01F	Discussion		DIS	W				03:15P-04:15P		Commun Bldg 121	Staff	
16258	FILM-20A-01G	Discussion		DIS	W				04:30P-05:30P		Commun Bldg 121	Staff	
16259	FILM-20A-01H	Discussion		DIS	W				05:45P-06:45P		Commun Bldg 121	Staff	
16260	FILM-20A-01I	Discussion		DIS	W				11:30A-12:30P		Commun Bldg 117	Staff	
16261	FILM-20A-01J	Discussion		DIS	W				12:45P-01:45P		Commun Bldg 117	Staff	
16262	FILM-20A-01K	Discussion		DIS	W				02:00P-03:00P		Commun Bldg 117	Staff	
16263	FILM-20A-01L	Discussion		DIS	W				03:15P-04:15P		Commun Bldg 117	Staff	
16264	FILM-20A-01M	Discussion		DIS	W				04:30P-05:30P		Commun Bldg 117	Staff	
16265	FILM-20A-01N	Discussion		DIS	W				05:45P-06:45P		Commun Bldg 117	Staff	
16266	FILM-20A-01O	Discussion		DIS	Th				09:30A-10:30A		Commun Bldg 117	Staff	
16267	FILM-20A-01P	Discussion		DIS	Th				10:45A-11:45A		Commun Bldg 117	Staff	
23989	FILM-20A-01Q	Discussion		DIS	F				02:15P-03:15P		Commun Bldg 117	Staff	
23990	FILM-20A-01R	Discussion		DIS	F				03:30P-04:30P		Commun Bldg 117	Staff	
23678	FILM-20C-01	Intro Digital Media	5	HA LEC	TTh				06:00P-07:45P		ClassroomUnit 001	Crane,D.W.	R
		<i>Enroll in lecture and associated discussion section</i>											
23679	FILM-20C-01A	Discussion		DIS	T				10:45A-11:45A		Commun Bldg 011	Staff	
23680	FILM-20C-01B	Discussion		DIS	T				12:00P-01:00P		Commun Bldg 011	Staff	
23681	FILM-20C-01C	Discussion		DIS	Th				09:15A-10:15A		Commun Bldg 011	Staff	
23682	FILM-20C-01D	Discussion		DIS	Th				10:30A-11:30A		Commun Bldg 011	Staff	
23991	FILM-20C-01E	Discussion		DIS	F				09:15A-10:15A		Commun Bldg 011	Staff	
23992	FILM-20C-01F	Discussion		DIS	F				10:30A-11:30A		Commun Bldg 011	Staff	
23683	FILM-20P-01	Productn Technique	5	A LEC	TTh				02:00P-03:45P		Commun Bldg 150	Lord,C.L.	
		<i>Enroll in lecture and associated discussion section</i>											
23684	FILM-20P-01A	Discussion		DIS	W				09:00A-10:00A		Commun Bldg 117	Staff	
23685	FILM-20P-01B	Discussion		DIS	W				10:15A-11:15A		Commun Bldg 117	Staff	
23686	FILM-20P-01C	Discussion		DIS	F				11:45A-12:45P		Commun Bldg 117	Staff	
23687	FILM-20P-01D	Discussion		DIS	F				01:00P-02:00P		Commun Bldg 117	Staff	
16268	FILM-120-01	Intro Film Theory	5	W LEC	M				07:00P-10:00P		ClassroomUnit 001	Hastie,A.E.	R
		<i>Enroll in lecture and associated discussion section</i>											
					MW				05:00P-06:45P		ClassroomUnit 001		
16269	FILM-120-01A	Discussion		DIS	Th				09:30A-10:30A		Commun Bldg 121	Staff	
16270	FILM-120-01B	Discussion		DIS	Th				10:45A-11:45A		Commun Bldg 121	Staff	
16271	FILM-120-01C	Discussion		DIS	Th				03:30P-04:30P		Commun Bldg 121	Staff	
16272	FILM-120-01D	Discussion		DIS	Th				04:45P-05:45P		Commun Bldg 121	Staff	
16273	FILM-120-01E	Discussion		DIS	F				09:00A-10:00A		Commun Bldg 121	Staff	
16274	FILM-120-01F	Discussion		DIS	F				10:15A-11:15A		Commun Bldg 121	Staff	
16275	FILM-120-01G	Discussion		DIS	F				11:30A-12:30P		Commun Bldg 121	Staff	
16276	FILM-120-01H	Discussion		DIS	F				12:45P-01:45P		Commun Bldg 121	Staff	
16277	FILM-120-01I	Discussion		DIS	F				02:00P-03:00P		Commun Bldg 121	Staff	
16278	FILM-120-01J	Discussion		DIS	F				03:15P-04:15P		Commun Bldg 121	Staff	
22424	FILM-134A-01	Amer Film: 1930-60	5	LEC	TTh				09:00A-11:45A		Oakes Acad 105	Stamp,S.	R
		<i>Enroll in lecture and associated discussion section</i>											

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22425		FILM-134A-01A		Discussion		DIS	T		03:15P-04:15P		Commun Bldg 121	Staff	
22426		FILM-134A-01B		Discussion		DIS	T		04:30P-05:30P		Commun Bldg 121	Staff	
22427		FILM-134A-01C		Discussion		DIS	Th		01:00P-02:00P		Commun Bldg 117	Staff	
22428		FILM-134A-01D		Discussion		DIS	Th		02:15P-03:15P		Commun Bldg 117	Staff	
23993		FILM-134A-01E		Discussion		DIS	F		09:00A-10:00A		Commun Bldg 117	Staff	
23994		FILM-134A-01F		Discussion		DIS	F		10:15A-11:15A		Commun Bldg 117	Staff	
16279	Y	FILM-150-01		Screenwriting <i>See Enrollment Conditions for instructions</i>	5	W	SEM	W	02:00P-06:00P		Commun Bldg 113	Hollander,E.E.	
23995		FILM-160-01		Film Genres	5	A	LEC	MW	12:30P-03:10P		Commun Bldg 150	Staff	R
22436		FILM-161-01		Documentry Film&Vid	5		LEC	MW	07:00P-09:40P		Commun Bldg 150	Gustafson,I.	R
22439	Y	FILM-170A-01		Digital Media Prod <i>See Enrollment Conditions for instructions</i>	5	A	STU	MW	12:30P-03:10P		Commun Bldg 011	Staff	
16280	Y	FILM-170B-01		Film/Video Productn <i>See Enrollment Conditions for instructions;enroll in studio and associated secondary studio</i>	5	A	STU	TTh	01:30P-04:00P		Commun Bldg 113	Staff	
16281		FILM-170B-01A		Secondary Studio		STS	Th		04:00P-06:30P		Commun Bldg 140	Staff	
16284	Y	FILM-172-01		Film & Video Studio <i>See Enrollment Conditions for instructions;enroll in studio and associated secondary studio</i>	5		STU	MW	09:30A-12:00P		Commun Bldg 113	Hollander,E.E.	
16285		FILM-172-01A		Secondary Studio		STS	W		12:00P-01:30P		Commun Bldg 140	Hollander,E.E.	
22944	Y	FILM-175-01		Documen Video Wkshp <i>See Enrollment Conditions for instructions</i>	5		STU	TTh	10:00A-12:30P		Commun Bldg 113	Lord,C.L.	
21495	Y	FILM-178A-01		Pers Comput In F/V <i>See Enrollment Conditions for instructions</i>	5		STU	MW	03:30P-06:00P		Commun Bldg 011	Staff	
16287		FILM-194A-01		Film Theory Seminar	5		SEM	TTh	03:30P-05:30P		Commun Bldg 117	Hastie,A.E.	R
23689		FILM-194S-01		Special Topics Seminar	5		SEM	TTh	01:00P-03:00P		Commun Bldg 121	Staff	R
<b>French</b>													
16330		FREN-1-01		Instr French Lang	5		LEC	MWF	09:30A-10:40A		N. Sci Annex 102	Hutchison,G.K.	
16331		FREN-1-02		Instr French Lang	5		LEC	MWF	11:00A-12:10P		N. Sci Annex 102	Hutchison,G.K.	
16332		FREN-1-03		Instr French Lang	5		LEC	MWF	02:00P-03:10P		Kresge Clrm 323	Elsley,A.A.	
16333		FREN-2-01		Instr French Lang	5		LEC	MWF	09:30A-10:40A		Crown Clrm 203	Lemansec,H.	R
16334		FREN-2-02		Instr French Lang	5		LEC	MWF	11:00A-12:10P		Crown Clrm 203	Lemansec,H.	R
16335		FREN-3-01		Instr French Lang	5		LEC	MWF	02:00P-03:10P		Cowell Com 134	Megharbi,N.	R
16336		FREN-4-01		Intermed French	5	H	LEC	MWF	09:30A-10:40A		Kresge Clrm 323	Elsley,A.A.	R
16337		FREN-4-02		Intermed French	5	H	LEC	MWF	11:00A-12:10P		Kresge Clrm 323	Elsley,A.A.	R
16338		FREN-5-01		Intermediate French	5	H	LEC	MWF	03:30P-04:40P		Cowell Acad 223	Megharbi,N.	R
16339		FREN-6-01		Intermediate French	5	H	LEC	MWF	03:30P-04:40P		Soc Sci I 153	Hutchison,G.K.	R
16340		FREN-13F-01		Oral Fluency/Cultre	2		LEC	M	05:00P-06:45P		Cowell Com 134	Lemansec,H.	R
23832		FREN-114-01		French Phonetics	5		LEC	MWF	02:00P-03:10P		Merrill Acad 003	Lemansec,H.	
<b>German</b>													
16370		GERM-1-01		Instr German Lang	5		LEC	MWF	08:00A-09:10A		Soc Sci I 161	Campbell,W.I.	
16371		GERM-1-02		Instr German Lang	5		LEC	MWF	09:30A-10:40A		Soc Sci I 161	Campbell,W.I.	
16372		GERM-1-03		Instr German Lang	5		LEC	MWF	11:00A-12:10P		Merrill Acad 130	Harris-Frisk,J.	
16373		GERM-4-01		Intermediate German	5	H	LEC	MWF	11:00A-12:10P		Soc Sci I 161	Campbell,W.I.	R
<b>Greek</b>													
16391		GREE-1-01		Elem Ancient Greek	5		LEC	MWF	09:30A-10:40A		PhysSciences 136	Lynn,J.K.	
<b>Hebrew</b>													
16462		HEBR-1-01		Instr Hebrew Lang	5		LEC	MWF	09:30A-10:40A		J Baskin Engr 165	Rossman-Benjamin,T.H.	
16463		HEBR-4-01		Intermediate Hebrew	5	H	LEC	MWF	12:30P-01:40P		Soc Sci 2 137	Rossman-Benjamin,T.H.	R
<b>Hindi</b>													
22580		HNDI-1-01		Elementary Hindi	5		SEM	MWF	12:30P-01:40P		Soc Sci 2 171	Mock,J.	
22581		HNDI-4-01		Intermediate Hindi	5	H	LEC	MWF	11:00A-12:10P		Soc Sci 2 137	Mock,J.	R
<b>History</b>													
23752		HIS-10B-01		Us Hist 1877-Presnt <i>Enroll in lecture and associated discussion section</i>	5	H	LEC	TTh	06:00PM-07:45PM		Earth&Marine B206	Lasar,M.	
23753		HIS-10B-01A		Discussion		DIS			**To Be Arranged**			Staff	

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23754		HIS-10B-01B		Discussion		DIS			**To Be Arranged**			Staff	
23755		HIS-10B-01C		Discussion		DIS			**To Be Arranged**			Staff	
23756		HIS-10B-01D		Discussion		DIS			**To Be Arranged**			Staff	
23757		HIS-10B-01E		Discussion		DIS			**To Be Arranged**			Staff	
23758		HIS-10B-01F		Discussion		DIS			**To Be Arranged**			Staff	
23766		HIS-11B-01		L.Amer Natnl Period	5	HE	LEC	MWF	08:00AM-09:10AM		Merrill Acad 102	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
23767		HIS-11B-01A		Discussion		DIS			**To Be Arranged**			Staff	
23768		HIS-11B-01B		Discussion		DIS			**To Be Arranged**			Staff	
23769		HIS-11B-01C		Discussion		DIS			**To Be Arranged**			Staff	
23770		HIS-11B-01D		Discussion		DIS			**To Be Arranged**			Staff	
16472		HIS-40-01		Modern East Asia	5	HE	LEC	MWF	11:00AM-12:10PM		Merrill Acad 102	Christy,A.S.	
				<i>Enroll in lecture and associated discussion section</i>									
16473		HIS-40-01A		Discussion		DIS			**To Be Arranged**			Staff	
16474		HIS-40-01B		Discussion		DIS			**To Be Arranged**			Staff	
16475		HIS-40-01C		Discussion		DIS			**To Be Arranged**			Staff	
16476		HIS-40-01D		Discussion		DIS			**To Be Arranged**			Staff	
23761		HIS-65A-01		Medieval Europe	5	H	LEC	MWF	03:30PM-04:40PM		Merrill Acad 102	Polecritti,C.L.	
				<i>Enroll in lecture and associated discussion section</i>									
23762		HIS-65A-01A		Discussion		DIS			**To Be Arranged**			Staff	
23763		HIS-65A-01B		Discussion		DIS			**To Be Arranged**			Staff	
23764		HIS-65A-01C		Discussion		DIS			**To Be Arranged**			Staff	
23765		HIS-65A-01D		Discussion		DIS			**To Be Arranged**			Staff	
23771		HIS-74-01		Intro Mod Jewish His	5	E	LEC	MWF	02:00PM-03:10PM		Cowell Clrm 131	Thompson,B.A.	
				<i>Enroll in lecture and associated discussion section</i>									
23772		HIS-74-01A		Discussion		DIS			**To Be Arranged**			Staff	
23773		HIS-74-01B		Discussion		DIS			**To Be Arranged**			Staff	
23774		HIS-80K-01		His/Cultr Espionage	5	4	LEC	TTh	10:00AM-11:45AM		Merrill Acad 102	Thompson,B.A.	
				<i>Enroll in lecture and associated discussion section</i>									
23775		HIS-80K-01A		Discussion		DIS			**To Be Arranged**			Staff	
23776		HIS-80K-01B		Discussion		DIS			**To Be Arranged**			Staff	
23777		HIS-80K-01C		Discussion		DIS			**To Be Arranged**			Staff	
23778		HIS-80K-01D		Discussion		DIS			**To Be Arranged**			Staff	
		HIS-99-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
23816		HIS-103-01		Medieval Spain	5		LEC	MWF	03:30PM-04:40PM		Cowell Clrm 131	Catlos,B.A.	R
				<i>Enroll in lecture and associated discussion section</i>									
23817		HIS-103-01A		Discussion		DIS			**To Be Arranged**			Staff	
23818		HIS-103-01B		Discussion		DIS			**To Be Arranged**			Staff	
23800		HIS-107-01		CompBrit/AmSocMvmts	5		LEC	TTh	10:00AM-11:45AM		Cowell Clrm 131	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
23801		HIS-107-01A		Discussion		DIS			**To Be Arranged**			Staff	
23802		HIS-107-01B		Discussion		DIS			**To Be Arranged**			Staff	
23787		HIS-110E-01		U.S. From 1877-1914	5		LEC	TTh	02:00PM-03:45PM		Oakes Acad 105	Lasar,M.	
				<i>Enroll in lecture and associated discussion section</i>									
23788		HIS-110E-01A		Discussion		DIS			**To Be Arranged**			Staff	
23789		HIS-110E-01B		Discussion		DIS			**To Be Arranged**			Staff	
23790		HIS-110E-01C		Discussion		DIS			**To Be Arranged**			Staff	
23791		HIS-110E-01D		Discussion		DIS			**To Be Arranged**			Staff	
23779		HIS-115B-01		US Labor His1919-Pres	5		LEC	MWF	12:30PM-01:40PM		Merrill Acad 102	Frank,D.L.	
				<i>Enroll in lecture and associated discussion section</i>									
23780		HIS-115B-01A		Discussion		DIS			**To Be Arranged**			Staff	
23781		HIS-115B-01B		Discussion		DIS			**To Be Arranged**			Staff	
23782		HIS-115B-01C		Discussion		DIS			**To Be Arranged**			Staff	
23783		HIS-115B-01D		Discussion		DIS			**To Be Arranged**			Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23803		HIS-121A-01		<b>Afro-Amer to 1877</b> <i>Enroll in lecture and associated discussion section</i>	5	E	LEC	TTh	08:00AM-09:45AM		Cowell Clrm 131	Anthony,D.H.	
23804		HIS-121A-01A		Discussion			DIS		**To Be Arranged**			Staff	
23805		HIS-121A-01B		Discussion			DIS		**To Be Arranged**			Staff	
23911		HIS-134B-01		<b>Mexico, 1850-Presnt</b> <i>Enroll in lecture and associated discussion section</i>	5	E	LEC	MWF	11:00AM-12:10PM		Cowell Clrm 131	Staff	
23912		HIS-134B-01A		Discussion			DIS		**To Be Arranged**			Staff	
23913		HIS-134B-01B		Discussion			DIS		**To Be Arranged**			Staff	
23806		HIS-140B-01		<b>His China 1644-1911</b> <i>Enroll in lecture and associated discussion section</i>	5		LEC	MW	05:00PM-06:45PM		Cowell Clrm 131	Hu,M.	
23807		HIS-140B-01A		Discussion			DIS		**To Be Arranged**			Staff	
23808		HIS-140B-01B		Discussion			DIS		**To Be Arranged**			Staff	
23809		HIS-150A-01		<b>Ancient Japan</b> <i>Enroll in lecture and associated discussion section</i>	5		LEC	TTh	02:00PM-03:45PM		Cowell Clrm 131	Aso,N.	
23810		HIS-150A-01A		Discussion			DIS		**To Be Arranged**			Staff	
23811		HIS-150A-01B		Discussion			DIS		**To Be Arranged**			Staff	
23784		HIS-161B-01		<b>Topics in Roman His</b> <i>Enroll in lecture and associated discussion section</i>	5		LEC	MWF	08:00AM-09:10AM		Soc Sci 2 071	Hedrick,C.W.	R
23785		HIS-161B-01A		Discussion			DIS		**To Be Arranged**			Staff	
23786		HIS-161B-01B		Discussion			DIS		**To Be Arranged**			Staff	
23813		HIS-167-01		<b>Imperial Spain</b> <i>Enroll in lecture and associated discussion section</i>	5		LEC	MWF	12:30PM-01:40PM		Cowell Clrm 131	Silleras-Fernandez,N.	
23814		HIS-167-01A		Discussion			DIS		**To Be Arranged**			Staff	
23815		HIS-167-01B		Discussion			DIS		**To Be Arranged**			Staff	
23797		HIS-171-01		<b>Revolutn in France</b> <i>Enroll in lecture and associated discussion section</i>	5		LEC	TTh	12:00PM-01:45PM		Cowell Clrm 131	Traugott,M.	
23798		HIS-171-01A		Discussion			DIS		**To Be Arranged**			Staff	
23799		HIS-171-01B		Discussion			DIS		**To Be Arranged**			Staff	
23792		HIS-178D-01		<b>Russ Intellect Hist</b>	5		LEC	TTh	12:00PM-01:45PM		Merrill Acad 102	Beecher,J.F.	
23793		HIS-178D-01A		Discussion			DIS		**To Be Arranged**			Staff	
23794		HIS-178D-01B		Discussion			DIS		**To Be Arranged**			Staff	
23812		HIS-185A-01		<b>Conflict of Interest</b>	5	E	LEC	TTh	02:00PM-03:45PM		J Baskin Engr 372	Thaler,M.M.	R
23819		HIS-190F-01		<b>Resrch In Americas</b>	5	W	SEM	Th	02:00PM-05:00PM		Merrill Acad 134	Haas,L.	R
		HIS-192-XXX		<b>Dir Stu Teach</b> <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		HIS-193-XXX		<b>Field Study</b> <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
23820		HIS-194G-01		<b>China:Since Cltrrev</b>	5	WE	SEM	TTh	12:00PM-01:45PM		Merrill Acad 134	Hershatter,G.B.	R
		HIS-195A-XXX		<b>Thesis Research</b> <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		HIS-195B-XXX		<b>Thesis Writing</b> <i>See sponsoring agency for class number</i>	5	W	IND		**To Be Arranged**			Staff	
16494		HIS-196S-01		<b>Ancient History</b>	5	W	SEM	W	10:00AM-01:00PM		Merrill Acad 134	Hedrick,C.W.	R
		HIS-198-XXX		<b>Indep Field Study</b> <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		HIS-199-XXX		<b>Tutorial</b> <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
16587		HIS-200-01		<b>Methods &amp; Theories</b>	5		SEM	T	02:00PM-05:00PM		Merrill Acad 134	Beecher,J.F.	R
23821		HIS-204A-01		<b>Gender Research Sem</b>	5		SEM	M	12:30PM-03:30PM		Merrill Acad 134	Westerkamp,M.J.	R
24031		HIS-230C-01		<b>Rdgs: 20Th C China</b>	5		SEM	Th	02:00PM-05:00PM		Merrill Acad 134	Hershatter,G.B.	R
16588		HIS-280A-01		<b>Teaching Pedagogy</b>	2		SEM	W	02:00PM-05:00PM		Merrill Acad 134	Christy,A.S.	R

### History of Art and Visual Culture

24033		HAVC-10G-01		<b>Intro Visual Europe</b> <i>Enroll in lecture and associated discussion section</i>	5	HA	LEC	MWF	11:00A-12:10P		Oakes Acad 105	Staff	
24034		HAVC-10G-01A		Discussion			DIS	M	12:30P-01:40P		Porter Acad 248	Staff	
24035		HAVC-10G-01B		Discussion			DIS	M	02:00P-03:10P		Porter Acad 248	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
24036		HAVC-10G-01C		Discussion		DIS	W		12:30P-01:40P		Porter Acad 248	Staff	
24037		HAVC-10G-01D		Discussion		DIS	W		05:00P-06:10P		Porter Acad 248	Staff	
24038		HAVC-10G-01E		Discussion		DIS	F		08:00A-09:10A		Porter Acad 248	Staff	
24039		HAVC-10G-01F		Discussion		DIS	F		09:30A-10:40A		Porter Acad 248	Staff	
24040		HAVC-10G-01G		Discussion		DIS	F		12:30P-01:40P		Porter Acad 248	Staff	
24041		HAVC-10G-01H		Discussion		DIS	F		02:00P-03:10P		Porter Acad 248	Staff	
22857		HAVC-80A-01		Intro Architecture <i>Enroll in lecture and associated discussion section</i>	5	5A	LEC	TTh	02:00P-03:45P		Soc Sci I 110	Crane,S.R.	
22858		HAVC-80A-01A		Discussion		DIS	T		04:00P-05:10P		Porter Acad 248	Staff	
22859		HAVC-80A-01B		Discussion		DIS	T		06:00P-07:10P		Porter Acad 248	Staff	
22860		HAVC-80A-01C		Discussion		DIS	Th		04:00P-05:10P		Porter Acad 248	Staff	
22861		HAVC-80A-01D		Discussion		DIS	Th		06:00P-07:10P		Porter Acad 248	Staff	
23714		HAVC-110B-01		Prehispanic Andes	5	A	LEC	TTh	10:00A-11:45A		Soc Sci I 110	Dean,C.	
21509		HAVC-114-01		Buddhist Visul World	5	A	LEC	TTh	10:00A-11:45A		Eight Acad 240	Birnbaum,R.	R
24042		HAVC-159B-01		Chinese Land Paint	5	A	LEC	MW	07:00P-08:45P		Porter Acad 144	Hay,J.	
23956		HAVC-185C-01		AfricanArchitecture	5	AE	LEC	MWF	12:30P-01:40P		Porter Acad 144	Cameron,E.L.	
23721		HAVC-190C-01		Representing Others	5	AE	SEM	TTh	04:00P-05:45P		Porter Acad 250	Dean,C.	R
23955		HAVC-190P-01		Patriotism Fren Rev	5	A	SEM	MW	05:00P-06:45P		Porter Acad 246	Hunter,D.M.	
23723		HAVC-190S-01		Semiotcs&Visul Cltr	5	A	SEM	TTh	02:00P-03:45P		Porter Acad 250	Gonzalez,J.A.	R
23724		HAVC-191C-01		Iconoclasm	5	AE	SEM	MW	05:00P-06:45P		Porter Acad 250	Cameron,E.L.	R

### History of Consciousness

23920		HISC-80I-01		Global Human Rights	5	5	LEC	TTh	02:00P-03:45P		PhysSciences 110	Staff	
23725		HISC-80M-01		Imagining Pop Cult	5	4	LEC	TTh	04:00P-05:45P		Eight Acad 240	Brownlee,S.M.	
16746	Y	HISC-203-01		Approach To Histcon	5		SEM	W	10:00A-01:00P		Oakes Acad 109	Clifford,J.T.	
23867		HISC-205A-01		Theories Of Slavery <i>Also offered as FMST 225A</i>	5		SEM	W	02:00P-05:00P		Oakes Acad 109	Davis,A.Y.	R
23726		HISC-207-01		Theory Of The Text	5		SEM	M	01:00P-04:00P		Oakes Acad 109	De Lauretis,T.	R
23727		HISC-213A-01		Representation	5		SEM	Th	01:00P-04:00P		Oakes Acad 109	De Lauretis,T.	R
23290		HISC-223-01		Recent Europ Phil <i>Also offered as PHIL 223</i>	5		SEM	F	02:00P-05:00P		Oakes Acad 109	Hoy,D.C.	R
23728		HISC-230A-01		Racism/Imperialism	5		SEM	T	10:00A-01:00P		Oakes Acad 109	Tadiar,N.	R
22993		HISC-240-01		Univ Level Pedagogy <i>See Enrollment Conditions for instructions</i>	1		SEM		**To Be Arranged**		Oakes Acad 220	Clifford,J.T.	R
23495		HISC-247-01CI		Performnc/Performtiv <i>Also offered as DANM 247</i>	5		SEM	T	02:00P-05:00P		Porter Acad 245	Soussloff,C.M.	R

### Information Systems Management

16874		ISM-50-01		Business Inf System	5		LEC	TTh	02:00PM-03:45PM		Porter Acad 148	Musacchio,J.T.	
21623		ISM-101-01		Mgmt Of Tech Seminr	2		SEM	Th	04:00PM-05:45PM		Engineer 2 192	Desa,S.	
23729		ISM-105-01		Mgmt of Tech I <i>Taught in conjunction with ISM 205</i>	5		LEC	TTh	12:00PM-01:45PM		Engineer 2 192	Staff	R
23730		ISM-205-01		Management Tech I	5		LEC	W	06:00PM-09:00PM		SiliconValleyCtr	Desa,S.	R
22618		ISM-206-01		Optimization Theory	5		LEC	TTh	02:00PM-03:45PM		Soc Sci I 161	Ross,K.G.	R

### Italian

16875		ITAL-1-01		Instr Italian Lang	5		LEC	MWF	12:30P-01:40P		PhysSciences 130	Prencipe,M.A.	
16876		ITAL-1-02		Instr Italian Lang	5		LEC	MWF	02:00P-03:10P		PhysSciences 130	Prencipe,M.A.	
16877		ITAL-1-03		Instr Italian Lang	5		LEC	MWF	03:30P-04:40P		PhysSciences 130	Prencipe,M.A.	
16878		ITAL-1-04		Instr Italian Lang	5		LEC	MWF	11:00A-12:10P		J Baskin Engr 165	Centineo,G.	
16879		ITAL-4-01		Intermed Italian	5	H	LEC	MWF	02:00P-03:10P		PhysSciences 140	Centineo,G.	R
16880		ITAL-4-02		Intermed Italian	5	H	LEC	MWF	03:30P-04:40P		PhysSciences 140	Centineo,G.	R

### Japanese

16904		JAPN-1-01		Japanese Language	5		LEC	MWF	08:00A-09:10A		J Baskin Engr 372	Yamamoto,N.	
16905		JAPN-1-02		Japanese Language	5		LEC	MWF	09:30A-10:40A		J Baskin Engr 372	Yamamoto,N.	
16906		JAPN-1-03		Japanese Language	5		LEC	MWF	02:00P-03:10P		J Baskin Engr 372	Scherer,K.I.	
16907		JAPN-1-04		Japanese Language	5		LEC	MWF	03:30P-04:40P		J Baskin Engr 372	Scherer,K.I.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
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16908	JAPN-4-01	Intermed Japanese	5	H LEC	MWF	02:00P-03:10P	Oakes Acad 106	Yamamoto,N.	R
16909	JAPN-50-01	Preadvance Japanese	5	H LEC	MWF	11:00A-12:10P	Oakes Acad 106	Fujita,S.	R

### Latin

17129	LATN-1-01	Elementary Latin	5	LEC	MWF	11:00A-12:10P	PhysSciences 136	Lynn,J.K.
17130	LATN-1-02	Elementary Latin	5	LEC	MWF	03:30P-04:40P	Cowell Acad 113	Hamel,G.

### Latin American and Latino Studies

16999	LALS-1-01	Intro Latin Amer St	5	SE LEC	TTh	10:00AM-11:45AM	ClassroomUnit 002	Delgado-P,G.	
17000	LALS-1-01A	Discussion		DIS		**To Be Arranged**		Staff	
17001	LALS-1-01B	Discussion		DIS		**To Be Arranged**		Staff	
17002	LALS-1-01C	Discussion		DIS		**To Be Arranged**		Staff	
17003	LALS-1-01D	Discussion		DIS		**To Be Arranged**		Staff	
17004	LALS-1-01E	Discussion		DIS		**To Be Arranged**		Staff	
17005	LALS-1-01F	Discussion		DIS		**To Be Arranged**		Staff	
22207	LALS-1-01G	Discussion		DIS		**To Be Arranged**		Staff	
22208	LALS-1-01H	Discussion		DIS		**To Be Arranged**		Staff	
23354	LALS-1-01I	Discussion		DIS		**To Be Arranged**		Staff	
23355	LALS-1-01J	Discussion		DIS		**To Be Arranged**		Staff	
23356	LALS-80B-01	Social Movements	5	3E SEM	MWF	11:00AM-12:10PM	PhysSciences 130	Staff	
23358	LALS-80D-01	Poli Chng In Mexico	5	3E LEC	TTh	12:00PM-01:45PM	PhysSciences 114	Fox,J.A.	
17006	LALS-80Q-01	Musica Latina	5	3E LEC	W	05:00PM-08:30PM	Soc Sci 2 071	Landau,G.	
23476	LALS-81A-01	Mexican Folk Dance	2	A STU	F	06:00PM-08:00PM	E Fieldhouse	Najera Ramirez,O.	
		<i>Also offered as ANTH 81A</i>			M	07:00PM-10:00PM	E Fieldhouse		
					Su	05:00PM-07:00PM	E Fieldhouse		
23359	LALS-110B-01	Prehispanic Andes	5	A LEC	TTh	04:00PM-05:45PM	Soc Sci 2 165	Delgado-P,G.	
23361	LALS-143J-01	Global Politic Econ	5	LEC	MWF	12:30PM-01:40PM	J Baskin Engr 372	Borrego,J.G.	
21420	LALS-173-01	Lat Am Immigr To Us	5	E LEC	TTh	12:00PM-01:45PM	Soc Sci 2 075	Jonas,S.L.	
23362	LALS-173-01A	Discussion		DIS		**To Be Arranged**		Staff	
23363	LALS-173-01B	Discussion		DIS		**To Be Arranged**		Staff	
	LALS-190-XXX	Internship	5	IND		12:00AM-12:00AM		Staff	
		<i>See sponsoring agency for class number</i>							
	LALS-190F-XXX	Internship	2	IND		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							
	LALS-192-XXX	Directed Stu Teach	5	IND		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							
	LALS-193-XXX	Local Field Study	5	FLI		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							
17034	LALS-194N-01	Las Izquierdas L Am	5	E SEM	W	05:00PM-08:30PM	Merrill Acad 132	Jonas,S.L.	R
	LALS-195B-XXX	Senior Thesis	5	IND		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							
	LALS-198-XXX	Indep Field Study	5	FLI		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							
	LALS-199-XXX	Tutorial	5	IND		**To Be Arranged**		Staff	
		<i>See sponsoring agency for class number</i>							

### Legal Studies

17133	LGST-10-01	Intro Legal Process	5	S LEC	MWF	12:30PM-01:40PM	Media Theater M110	Frymer,P.
		<i>Enroll in lecture and associated discussion section</i>						
17134	LGST-10-01A	Discussion		DIS		**To Be Arranged**		Staff
17135	LGST-10-01B	Discussion		DIS		**To Be Arranged**		Staff
17136	LGST-10-01C	Discussion		DIS		**To Be Arranged**		Staff
17137	LGST-10-01D	Discussion		DIS		**To Be Arranged**		Staff
17138	LGST-10-01E	Discussion		DIS		**To Be Arranged**		Staff
17139	LGST-10-01F	Discussion		DIS		**To Be Arranged**		Staff
17140	LGST-10-01G	Discussion		DIS		**To Be Arranged**		Staff
22908	LGST-10-01H	Discussion		DIS		**To Be Arranged**		Staff

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23273		LGST-105B-01		<b>Mod Politic Thought</b>	5	LEC	MW		07:00PM-08:45PM		Thim Lecture 001	Seth,V.	R
				<i>Enroll in lecture and associated discussion section; also offered as POLI 105B</i>									
23274		LGST-105B-01A		Discussion		DIS			**To Be Arranged**			Staff	
23275		LGST-105B-01B		Discussion		DIS			**To Be Arranged**			Staff	
23276		LGST-105B-01C		Discussion		DIS			**To Be Arranged**			Staff	
23277		LGST-105B-01D		Discussion		DIS			**To Be Arranged**			Staff	
22288		LGST-107-01		<b>Moralty/Survvr/Recov</b>	5	LEC	TTh		02:00PM-03:45PM		Kresge Clrm 327	Meister,R.L.	R
				<i>Enroll in lecture and associated discussion section; also offered as POLI 107</i>									
22289		LGST-107-01A		Discussion		DIS			**To Be Arranged**			Staff	
22290		LGST-107-01B		Discussion		DIS			**To Be Arranged**			Staff	
22291		LGST-107-01C		Discussion		DIS			**To Be Arranged**			Staff	
22292		LGST-107-01D		Discussion		DIS			**To Be Arranged**			Staff	
23391		LGST-109-01		<b>Legal Theory</b>	5	LEC	MWF		08:00AM-09:10AM		Cowell Clrm 131	Staff	R
24059		LGST-113-01		<b>Gay Rights/The Law</b>	5	LEC	TTh		04:00PM-05:45PM		Cowell Clrm 131	Staff	
23834		LGST-114-01		<b>Anti-Semitism/Legal System</b>	5	LEC	TTh		10:00AM-11:45AM		Crown Clrm 208	Coonerty,R.E.	R
22293		LGST-120C-01		<b>Capit Amer Pol Dev</b>	5	LEC	MWF		12:30PM-01:40PM		Thim Lecture 001	Bertram,E.C.	R
				<i>Enroll in lecture and associated discussion section; also offered as POLI 120C</i>									
22294		LGST-120C-01A		Discussion		DIS			**To Be Arranged**			Staff	
22295		LGST-120C-01B		Discussion		DIS			**To Be Arranged**			Staff	
22296		LGST-120C-01C		Discussion		DIS			**To Be Arranged**			Staff	
22297		LGST-120C-01D		Discussion		DIS			**To Be Arranged**			Staff	
23284		LGST-128-01		<b>Povrty/Public Policy</b>	5	WE LEC	TTh		02:00PM-03:45PM		Crown Clrm 208	London,R.A.	R
				<i>Also offered as ECON 128</i>									
24001		LGST-131-01		<b>Natrl Resources Law</b>	5	LEC	TTh		12:00PM-01:45PM		Crown Clrm 208	Langridge,R.	R
23392		LGST-159-01		<b>Property</b>	5	SEM	MWF		03:30PM-04:40PM		Crown Clrm 208	Staff	R
23285		LGST-162-01		<b>Legal Env Business</b>	5	LEC	MW		05:00PM-06:45PM		PhysSciences 114	Bosso,R.E.	R
				<i>Also offered as ECON 162</i>									

## Linguistics

22317		LING-20-01		<b>Intr To Linguistics</b>	5	H LEC	MWF		11:00AM-12:10PM		Thim Lecture 001	Staff	
22318		LING-20-01A		Discussion		DIS			**To Be Arranged**			Staff	
22319		LING-20-01B		Discussion		DIS			**To Be Arranged**			Staff	
22320		LING-20-01C		Discussion		DIS			**To Be Arranged**			Staff	
22321		LING-20-01D		Discussion		DIS			**To Be Arranged**			Staff	
22322		LING-20-01E		Discussion		DIS			**To Be Arranged**			Staff	
23212		LING-20-01F		Discussion		DIS			**To Be Arranged**			Staff	
17163		LING-52-01		<b>Syntax I</b>	5	H LEC	MWF		09:30AM-10:40AM		Cowell Clrm 131	Chung,S.	R
17164		LING-52-01A		Discussion		DIS			**To Be Arranged**			Staff	
17165		LING-52-01B		Discussion		DIS			**To Be Arranged**			Staff	
22884		LING-80V-01		<b>Struc Engl Vocablry</b>	5	4 LEC	MW		05:00PM-06:45PM		J Bask Aud 101	Staff	
17166		LING-101-01		<b>Phonology I</b>	5	W LEC	MWF		11:00AM-12:10PM		N. Sci Annex 101	Staff	
21423		LING-101-01A		Discussion		DIS			**To Be Arranged**			Staff	
17167		LING-101-01B		Discussion		DIS			**To Be Arranged**			Staff	
17168		LING-101-01C		Discussion		DIS			**To Be Arranged**			Staff	
22192		LING-101-01D		Discussion		DIS			**To Be Arranged**			Staff	
22323		LING-117-01		<b>Pragmatics</b>	5	SEM	TTh		04:00PM-05:45PM		Cowell Acad 113	Staff	
23861		LING-183-01		<b>Structure Of French</b>	5	LEC	TTh		10:00AM-11:45AM		Eight Acad 250	Farkas,D.F.	R
23835		LING-190F-01		<b>Senior Research</b>	2	SEM			**To Be Arranged**			Farkas,D.F.	R
23395		LING-211-01		<b>Phonology A</b>	5	LEC			**To Be Arranged**			Staff	R
17233		LING-219-01		<b>Phonology Seminar</b>	5	SEM			**To Be Arranged**			Padgett,J.	R
17234		LING-221-01		<b>Syntax A</b>	5	LEC			**To Be Arranged**			McCloskey,J.	R
17235		LING-231-01		<b>Semantics A</b>	5	LEC			**To Be Arranged**			Farkas,D.F.	R
22886		LING-239-01		<b>Semantics Seminar</b>	5	LEC			**To Be Arranged**			Staff	R

## Literature

17325		LIT-1-01		<b>Literary Interpret</b>	5	HW LEC	MW		08:00AM-09:10AM		J Bask Aud 101	Selden,D.	R
				<i>Enroll in lecture and associated discussion section</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
17326		LIT-1-01A		Discussion		DIS	MW		12:30PM-01:40PM		PhysSciences 136	Staff	
17327		LIT-1-01B		Discussion		DIS	MW		03:30PM-04:40PM		Kresge Acad 194	Staff	
17328		LIT-1-01C		Discussion		DIS	MW		07:00PM-08:10PM		Kresge Acad 194	Staff	
17329		LIT-1-01D		Discussion		DIS	TTh		04:00PM-05:10PM		Soc Sci 2 159	Staff	
17330		LIT-1-01E		Discussion		DIS	TTh		06:00PM-07:10PM		Merrill Acad 132	Staff	
17331		LIT-1-01F		Discussion		DIS	TTh		07:30PM-08:40PM		Kresge Clrm 325	Staff	
22965		LIT-1-01G		Discussion		DIS	TTh		08:00PM-09:10PM		PhysSciences 136	Staff	
22966		LIT-1-01H		Discussion		DIS	MW		07:00PM-08:10PM		Soc Sci 2 167	Staff	
23836		LIT-61P-01		Reading Poetry	5	H	LEC	MWF	12:30PM-01:40PM		Oakes Acad 105	Hendricks,M.J.	
				<i>Enroll in lecture and associated discussion section</i>									
23967		LIT-61P-01A		Discussion		DIS	M		03:30PM-04:40PM		Kresge Lib 348	Staff	
23968		LIT-61P-01B		Discussion		DIS	M		03:30PM-04:40PM		Kresge Lib 348	Staff	
23969		LIT-61P-01C		Discussion		DIS	W		09:30AM-10:40AM		Kresge Lib 348	Staff	
23970		LIT-61P-01D		Discussion		DIS	W		09:30AM-10:40AM		Kresge Lib 348	Staff	
23971		LIT-61P-01E		Discussion		DIS	W		07:00PM-08:10PM		Kresge Lib 348	Staff	
23972		LIT-61P-01F		Discussion		DIS	W		07:00PM-08:10PM		Kresge Lib 348	Staff	
23973		LIT-61P-01G		Discussion		DIS	F		08:00AM-09:10AM		Kresge Lib 348	Staff	
23974		LIT-61P-01H		Discussion		DIS	F		08:00AM-09:10AM		Kresge Lib 348	Staff	
23837		LIT-80S-01		Aristotle's Poetics	5	4	LEC	MWF	02:00PM-03:10PM		Oakes Acad 105	Godzich,W.B.	
				<i>Enroll in lecture and associated discussion section</i>									
24062		LIT-80S-01A		Discussion		DIS	M		07:00PM-08:10PM		Kresge Lib 348	Staff	
24063		LIT-80S-01B		Discussion		DIS	M		07:00PM-08:10PM		Kresge Lib 348	Staff	
24064		LIT-80S-01C		Discussion		DIS	T		04:00PM-05:10PM		Kresge Lib 348	Staff	
24066		LIT-80S-01D		Discussion		DIS	T		04:00PM-05:10PM		Kresge Lib 348	Staff	
24065		LIT-80S-01E		Discussion		DIS	W		08:00AM-09:10AM		Kresge Lib 348	Staff	
24067		LIT-80S-01F		Discussion		DIS	W		08:00AM-09:10AM		Kresge Lib 348	Staff	
24068		LIT-80S-01G		Discussion		DIS	W		11:00AM-12:10PM		Kresge Lib 348	Staff	
24069		LIT-80S-01H		Discussion		DIS	W		11:00AM-12:10PM		Kresge Lib 348	Staff	
17337		LIT-101-01		Theory & Interpretn	5	W	LEC	TTh	08:00AM-09:45AM		Kresge Clrm 321	Connery,C.L.	R
				<i>Enroll in lecture and associated discussion section</i>									
17338		LIT-101-01A		Discussion		DIS	T		10:00AM-11:10AM		Kresge Lib 348	Staff	
17339		LIT-101-01B		Discussion		DIS	T		12:00PM-01:10PM		Kresge Lib 348	Staff	
17340		LIT-101-01C		Discussion		DIS	T		02:00PM-03:10PM		Kresge Lib 348	Staff	
21425		LIT-101-01D		Discussion		DIS	Th		10:00AM-11:10AM		Kresge Lib 348	Staff	
21426		LIT-101-01E		Discussion		DIS	Th		04:00PM-05:10PM		Kresge Lib 348	Staff	
22878		LIT-101-01F		Discussion		DIS	Th		06:00PM-07:10PM		Kresge Lib 348	Staff	
17341		LIT-200-01		Proseminar	5		SEM	T	06:00PM-09:00PM		Cowell Acad 223	Terdiman,R.	
<b>Creative Writing</b>													
17440		LTCR-10-01		Intro Creative Writ	5	A	SEM	MW	05:00PM-06:45PM		Kresge Acad 194	Staff	
								W	07:00PM-08:30PM		Krsg Town Hall 466	Staff	
23396		LTCR-10-02		Intro Creative Writ	5	A	SEM	MW	05:00PM-06:45PM		Kresge Clrm 325	Staff	R
								W	07:00PM-08:30PM		Krsg Town Hall 466	Staff	
23397		LTCR-10-03		Intro Creative Writ	5	A	SEM	TTh	06:00PM-07:45PM		Kresge Acad 194	Staff	R
								W	07:00PM-08:30PM		Krsg Town Hall 466	Staff	
23398		LTCR-10-04		Intro Creative Writ	5	A	SEM	TTh	06:00PM-07:45PM		Soc Sci 2 167	Staff	R
								W	07:00PM-08:30PM		Krsg Town Hall 466	Staff	
17445	Y	LTCR-52-01		Inter Fiction Writing	5	A	SEM	TTh	04:00PM-05:45PM		Soc Sci 2 141	Staff	
				<i>See Enrollment Conditions for instructions</i>									
								W	07:00PM-08:30PM		Krsg Town Hall 466	Staff	
17446	Y	LTCR-53-01		Inter Poetry Writing	5	A	SEM	TTh	12:00PM-01:45PM		Soc Sci 2 141	Atkinson,C.O.	
				<i>See Enrollment Conditions for instructions</i>									
								W	07:00PM-08:30PM		Krsg Town Hall 466	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
17447		LTCR-180-01		Adv Writing-Fiction	5	A SEM	TTh		06:00PM-07:45PM		Merrill Acad 002	Oshetsky,C.E.	R
							W		07:00PM-08:30PM		Krsg Town Hall 466	Staff	
21427		LTCR-183-01		Adv Writing-Poetry	5	A SEM	MW		05:00PM-06:45PM		Kresge Clrm 319	Wilson,R.J.	R
							W		07:00PM-08:30PM		Krsg Town Hall 466	Wilson,R.J.	

### English-Language Literature

22334		LTEL-102C-01		US Canon: Beg-1900	5	LEC	MWF		09:30AM-10:40AM		Soc Sci 2 071	Gruesz,K.S.	
				<i>Enroll in lecture and associated discussion section</i>									
22335		LTEL-102C-01A		Discussion		DIS	M		06:30PM-07:40PM		Kresge Clrm 323	Staff	
22336		LTEL-102C-01B		Discussion		DIS	T		08:30AM-09:40AM		Kresge Clrm 323	Staff	
23403		LTEL-110B-01		18Th C.English Novel	5	LEC	TTh		10:00AM-11:45AM		Soc Sci 2 071	Greene,J.	
				<i>Enroll in lecture and associated discussion section</i>									
23404		LTEL-110B-01A		Discussion		DIS	W		11:00AM-12:10PM		J Baskin Engr 372	Staff	
23405		LTEL-110B-01B		Discussion		DIS	Th		06:00PM-07:10PM		Kresge Clrm 323	Staff	
23963		LTEL-130B-01		Eng Drama 1576-1642	5	LEC	MWF		03:30PM-04:40PM		Kresge Clrm 323	Jones,W.R.	
23838		LTEL-140C-01		John Carpenter Film	5	LEC	TTh		10:00AM-11:45AM		Kresge Clrm 321	Leicester,H.M.	
				<i>Enroll in lecture and associated discussion section</i>			M		07:00PM-10:00PM		J Bask Aud 101		
23839		LTEL-140C-01A		Discussion		DIS	T		06:00PM-07:10PM		Kresge Clrm 323	Staff	
23840		LTEL-140C-01B		Discussion		DIS	T		07:30PM-08:40PM		Kresge Clrm 323	Staff	
23841		LTEL-140C-01C		Discussion		DIS	Th		08:30AM-09:40AM		Kresge Clrm 323	Staff	
23842		LTEL-150B-01		Chicano Literature	5	E LEC	MWF		02:00PM-03:10PM		Earth&Marine B210	Gruesz,K.S.	
23406		LTEL-155B-01		Regions Amer Lit	5	LEC	TTh		06:00PM-07:45PM		Soc Sci 2 075	Wilson,R.J.	
				<i>Enroll in lecture and associated discussion section</i>									
23857		LTEL-155B-01A		Discussion		DIS	Th		02:00PM-03:10PM		Cowell Com 134	Staff	
23858		LTEL-155B-01B		Discussion		DIS	F		08:00AM-09:10AM		PhysSciences 136	Staff	
23407		LTEL-155D-01		South African Lit	5	E LEC	TTh		02:00PM-03:45PM		Soc Sci 2 071	Jordan,J.O.	
				<i>Enroll in lecture and associated discussion section</i>									
23408		LTEL-155D-01A		Discussion		DIS	W		06:30PM-07:40PM		J Baskin Engr 372	Staff	
23409		LTEL-155D-01B		Discussion		DIS	Th		07:30PM-08:40PM		Kresge Clrm 323	Staff	
23843		LTEL-160E-01		Caribbean Literatur	5	E LEC	MW		05:00PM-06:45PM		Kresge Clrm 327	Chude-Sokei,L.O.	
				<i>Enroll in lecture and associated discussion section</i>									
23844		LTEL-160E-01A		Discussion		DIS	T		02:00PM-03:10PM		Cowell Com 134	Staff	
23845		LTEL-160E-01B		Discussion		DIS	Th		06:00PM-07:10PM		Oakes Acad 222	Staff	
23846		LTEL-170B-01		Edmund Spenser	5	LEC	MWF		11:00AM-12:10PM		Earth&Marine B210	Jones,W.R.	
23410		LTEL-190G-01		Black Pulp Fiction	5	E SEM	MW		07:00PM-08:45PM		Soc Sci 1 145	Chude-Sokei,L.O.	R
23411		LTEL-270-01		Individual Authors	5	SEM	T		02:00PM-05:00PM		Crown Clrm 104	Mackey,N.E.	R

### French Literature

23847		LTFR-135-01		Author And Culture	5	SEM	MWF		09:30AM-10:40AM		Soc Sci 2 137	Gaitet,P.	
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### German Literature

23860		LTGE-150-01		German Romanticism	5	SEM	TTh		02:00PM-03:45PM		Soc Sci 2 141	Nygaard,L.C.	
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### Greek Literature

23829		LTGR-104-01		Prose Authors	5	SEM	TTh		12:00PM-01:45PM		Cowell Acad 222	Lynch,J.P.	
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### Italian Literature

22232		LTIT-102-01		Intro Italian Lit	5	SEM	MWF		02:00PM-03:10PM		Crown Clrm 104	Staff	
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### Latin Literature

23412		LTIN-102-01		Roman Poetry	5	SEM	TTh		04:00PM-05:45PM		Cowell Acad 223	Lynch,J.P.	
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### Modern Literary Studies

23413		LTMO-125L-01		Films on the Border	5	E LEC	MW		07:00PM-08:45PM		Soc Sci 1 110	Burton-Carvajal,J.	
23961		LTMO-144H-01		JewishWriters/ErpeanCity	5	LEC	TTh		12:00PM-01:45PM		Kresge Clrm 323	Baumgarten,M.	
23962		LTMO-145C-01		ModernFictionandPoetry	5	LEC	TTh		12:00PM-01:45PM		Eight Acad 242	Farquhar,D.	
23848		LTMO-152E-01		NonRealistJapanLit	5	LEC	MW		03:30PM-05:15PM		Eight Acad 242	Suzuki,S.	
23417		LTMO-155B-01		Soviet Literature	5	LEC	TTh		04:00PM-05:45PM		Soc Sci 2 071	Nickell,W.S.	
				<i>Enroll in lecture and associated discussion section</i>									
23418		LTMO-155B-01A		Discussion		DIS	Th		06:00PM-07:10PM		Soc Sci 2 179	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23419		LTM0-155B-01B		Discussion		DIS	F		08:00AM-09:10AM		PhysSciences 140	Staff	
23964		LTM0-170B-01		Modrn Italian Novel	5	LEC	MW		05:00PM-06:45PM		Cowell Acad 113	Staff	
<b>Pre- and Early Modern Literature Literature</b>													
23420		LTPR-115-01		Heroic Epic	5	LEC	TTh		04:00PM-05:45PM		Soc Sci 2 075	Walsh,T.R.	
<i>Enroll in lecture and associated discussion section</i>													
23421		LTPR-115-01A		Discussion		DIS	W		05:00PM-06:10PM		Soc Sci 2 179	Staff	
23422		LTPR-115-01B		Discussion		DIS	Th		08:30AM-09:40AM		Earth&Marine B210	Staff	
23849		LTPR-144C-01		Performing Texts	5	LEC	TTh		02:00PM-03:45PM		Eight Acad 250	Spagnolo,F.	
23423		LTPR-190P-01		Pre/Early Studies	5	SEM	MW		05:00PM-06:45PM		Soc Sci 2 167	Baumgarten,M.	R
23439		LTPR-201-01		Antiquity Studies	5	SEM	Th		06:00PM-09:00PM		Cowell Acad 223	Bassi,K.L.	R
<b>Spanish/Latin American/Latino Literature</b>													
23440		LTSP-60-01		Intr Literary Genre	5	HE LEC	MWF		03:30PM-04:40PM		PhysSciences 136	Silleras-Fernandez,N.	
23850		LTSP-100C-01		MedievalSpanishLit	5	LEC	TTh		04:00PM-05:45PM		Merrill Acad 130	Silleras-Fernandez,N.	
23851		LTSP-131A-01		Nat Lit:Mexico	5	E SEM	TTh		10:00AM-11:45AM		Soc Sci 1 161	Klahn,N.	
23852		LTSP-213-01		Latin Amer Film	5	SEM	M		03:30PM-06:30PM		Crown Clrm 201	Burton-Carvajal,J.	
<b>World Literature and Cultural Studies</b>													
21429		LTWL-190A-01		Topics in World Lit	5	E SEM	TTh		04:00PM-05:45PM		J Baskin Engr 372	Cooppan,V.	
23442		LTWL-209-01		Topics Cultrl Studi	5	SEM	F		09:30AM-12:30PM		Kresge Lib 348	Cooppan,V.	
<b>Mathematics</b>													
<i>Secondaries start Wednesday, September 27, 2006</i>													
17848		MATH-2-01		Col Algebra/Calculus	5	LEC	MWF		03:30P-04:40P		Earth&Marine B206	Staff	R
<i>Sections will be assigned in the first week of class</i>													
17849		MATH-3-01		Precalculus	5	Q LEC	MWF		02:00P-03:10P		Earth&Marine B206	Staff	R
<i>Sections will be assigned in the first week of class</i>													
17859		MATH-3-02		Precalculus	5	Q LEC	MWF		03:30P-04:40P		ClassroomUnit 002	Staff	R
<i>Sections will be assigned in the first week of class</i>													
17864		MATH-11A-01		Calculus with Apps	5	NQ LEC	MWF		02:00P-03:10P		ClassroomUnit 002	Staff	R
<i>Enroll in lecture and associated secondary lab</i>													
17865		MATH-11A-01A		Secondary Lab		LBS	MW		05:00P-06:45P		PhysSciences 136	Staff	
17866		MATH-11A-01B		Secondary Lab		LBS	MW		07:00P-08:45P		PhysSciences 136	Staff	
17867		MATH-11A-01C		Secondary Lab		LBS	TTh		08:00A-09:45A		PhysSciences 136	Staff	
17868		MATH-11A-01D		Secondary Lab		LBS	TTh		02:00P-03:45P		PhysSciences 136	Staff	
21441		MATH-11A-01E		Secondary Lab		LBS	TTh		06:00P-07:45P		PhysSciences 136	Staff	
17869		MATH-11A-02		Calculus with Apps	5	NQ LEC	MWF		03:30P-04:40P		J Bask Aud 101	Staff	R
<i>Enroll in lecture and associated secondary lab</i>													
17870		MATH-11A-02A		Secondary Lab		LBS	MW		05:00P-06:45P		PhysSciences 140	Staff	
17871		MATH-11A-02B		Secondary Lab		LBS	MW		07:00P-08:45P		PhysSciences 140	Staff	
17872		MATH-11A-02C		Secondary Lab		LBS	TTh		08:00A-09:45A		PhysSciences 140	Staff	
17873		MATH-11A-02D		Secondary Lab		LBS	TTh		06:00P-07:45P		PhysSciences 140	Staff	
21442		MATH-11A-02E		Secondary Lab		LBS	TTh		08:00P-09:45P		PhysSciences 140	Staff	
17874		MATH-11B-01		Calculus with Apps	5	NQ LEC	MWF		02:00P-03:10P		Media Theater M110	Mason,G.	R
<i>Enroll in lecture and associated secondary lab</i>													
17875		MATH-11B-01A		Secondary Lab		LBS	TTh		12:00P-01:45P		J Baskin Engr 295	Staff	
17876		MATH-11B-01B		Secondary Lab		LBS	MW		05:00P-06:45P		Eight Acad 250	Staff	
17877		MATH-11B-01C		Secondary Lab		LBS	MW		07:00P-08:45P		Eight Acad 250	Staff	
17878		MATH-11B-01D		Secondary Lab		LBS	MW		07:00P-08:45P		Porter Acad 148	Staff	
21443		MATH-11B-01E		Secondary Lab		LBS	TTh		08:00A-09:45A		Eight Acad 250	Staff	
21444		MATH-11B-01F		Secondary Lab		LBS	TTh		06:00P-07:45P		Eight Acad 250	Staff	
10011		MATH-19A-01		Calc:Sci,Engin,Math	5	NQ LEC	MWF		02:00P-03:10P		ClassroomUnit 001	Tromba,A.J.	R
17880		MATH-19A-01A		Secondary Lab		LBS	MW		12:00P-01:45P		J Baskin Engr 295	Staff	
17881		MATH-19A-01B		Secondary Lab		LBS	MW		07:00P-08:45P		J Baskin Engr 268	Staff	
17882		MATH-19A-01C		Secondary Lab		LBS	MW		05:00P-06:45P		PhysSciences 130	Staff	
17883		MATH-19A-01D		Secondary Lab		LBS	TTh		08:00A-09:45A		Eight Acad 252	Staff	
17884		MATH-19A-01E		Secondary Lab		LBS	TTh		12:00P-01:45P		Eight Acad 250	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
17885		MATH-19A-01F		Secondary Lab		LBS	TTh		08:00P-09:45P		Eight Acad 252	Staff	
17886		MATH-19A-02		Calc:Sci,Engin,Math	5	NQ	LEC	MWF	03:30P-04:40P		ClassroomUnit 001	Staff	R
				<i>Enroll in lecture and associated discussion section</i>									
21445		MATH-19A-02A		Secondary Lab		LBS	MW		12:00P-01:45P		J Baskin Engr 268	Staff	
17887		MATH-19A-02B		Secondary Lab		LBS	MW		05:00P-06:45P		Earth&Marine B214	Staff	
22380		MATH-19A-02C		Secondary Lab		LBS	MW		07:00P-08:45P		Earth&Marine B214	Staff	
17888		MATH-19A-02D		Secondary Lab		LBS	TTh		08:00A-09:45A		Oakes Acad 106	Staff	
17889		MATH-19A-02E		Secondary Lab		LBS	TTh		06:00P-07:45P		Oakes Acad 106	Staff	
22381		MATH-19A-02F		Secondary Lab		LBS	TTh		08:00P-09:45P		Oakes Acad 106	Staff	
17890		MATH-19B-01		Calc:Sci,Engin,Math	5	NQ	LEC	MWF	02:00P-03:10P		J Bask Aud 101	Tamanoi,H.	R
				<i>Enroll in lecture and associated secondary lab</i>									
17891		MATH-19B-01A		Secondary Lab		LBS	TTh		04:00P-05:45P		J Baskin Engr 268	Staff	
17892		MATH-19B-01B		Secondary Lab		LBS	TTh		12:00P-01:45P		J Baskin Engr 268	Staff	
17893		MATH-19B-01C		Secondary Lab		LBS	MW		08:00A-09:45A		J Baskin Engr 295	Staff	
17894		MATH-19B-01D		Secondary Lab		LBS	MW		07:00P-08:45P		J Baskin Engr 295	Staff	
17895		MATH-19B-01E		Secondary Lab		LBS	TTh		06:00P-07:45P		Earth&Marine B210	Staff	
17896		MATH-19B-01F		Secondary Lab		LBS	MW		05:00P-06:45P		Earth&Marine B210	Staff	
17897		MATH-20A-01		Honors Calculus	5	NQ	LEC	MWF	03:30P-04:40P		PhysSciences 110	Staff	R
22185		MATH-20A-01A		Discussion		DIS	TTh		10:00A-11:45A		Oakes Acad 222	Staff	
22226		MATH-20A-01B		Discussion		DIS	TTh		12:00P-01:45P		Oakes Acad 222	Staff	
17898		MATH-21-01		Linear Algebra	5	Q	LEC	MWF	11:00A-12:10P		PhysSciences 114	Tamanoi,H.	
17899		MATH-21-01A		Discussion		DIS	MW		05:00P-06:45P		Crown Clrm 208	Staff	
17900		MATH-21-01B		Discussion		DIS	TTh		08:00A-09:45A		Crown Clrm 208	Staff	
17901		MATH-22-01		Calc of Several Var	5		LEC	MWF	12:30P-01:40P		Krsg Town Hall 466	Todorov,A.N.	R
				<i>Enroll in lecture and associated secondary lab</i>									
10010		MATH-22-01A		Discussion		DIS	MW		08:00A-09:45A		J Baskin Engr 268	Staff	
22382		MATH-22-01B		Secondary Lab		LBS	MW		05:00P-06:45P		J Baskin Engr 268	Staff	
17903		MATH-22-01C		Secondary Lab		LBS	TTh		10:00A-11:45A		J Baskin Engr 268	Staff	
17904		MATH-22-01D		Secondary Lab		LBS	MW		02:00P-03:45P		J Baskin Engr 268	Staff	
22383		MATH-22-01E		Secondary Lab		LBS	TTh		08:00A-09:45A		J Baskin Engr 295	Staff	
17905		MATH-22-01F		Secondary Lab		LBS	TTh		08:00P-09:45P		J Baskin Engr 295	Staff	
17906		MATH-23A-01		Multivariable Calc	5		LEC	MWF	12:30P-01:40P		J Bask Aud 101	Ginzburg,V.	R
				<i>Enroll in lecture and associated secondary lab</i>									
17907		MATH-23A-01A		Secondary Lab		LBS	TTh		06:00P-07:45P		J Baskin Engr 268	Staff	
17908		MATH-23A-01B		Secondary Lab		LBS	MW		02:00P-03:45P		J Baskin Engr 295	Staff	
17909		MATH-23A-01C		Secondary Lab		LBS	TTh		08:00A-09:45A		J Baskin Engr 268	Staff	
17910		MATH-23A-01D		Secondary Lab		LBS	MW		10:00A-11:45A		J Baskin Engr 295	Staff	
17913		MATH-23B-01		Multivariable Calc	5		LEC	MWF	12:30P-01:40P		Kresge Clrm 327	Staff	R
				<i>Enroll in lecture and associated secondary lab</i>									
17914		MATH-23B-01A		Secondary Lab		LBS	MW		10:00A-11:50A		J Baskin Engr 268	Staff	
17915		MATH-23B-01B		Secondary Lab		LBS	TTh		02:00P-03:45P		J Baskin Engr 295	Staff	
22227		MATH-23B-01C		Secondary Lab		LBS	TTh		10:00A-11:45A		J Baskin Engr 295	Staff	
22384		MATH-23B-01D		Secondary Lab		LBS	TTh		06:00P-07:45P		J Baskin Engr 295	Staff	
17916		MATH-30-01		Math Problm Solving	5		LEC	MWF	02:00P-03:10P		Earth&Marine B214	Cooperstein,B.N.	R
		MATH-99-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
17920		MATH-100-01		Intr Proof/Prb Solv	5		LEC	MWF	11:00A-12:10P		Porter Acad 144	Mason,G.	R
17921		MATH-100-01A		Discussion		DIS	T		12:00P-01:10P		J Baskin Engr 169	Staff	
17922		MATH-100-01B		Discussion		DIS	W		12:30P-01:40P		J Baskin Engr 169	Staff	
17923		MATH-103-01		Complex Analysis	5		LEC	TTh	10:00A-11:45A		N. Sci Annex 103	Suidan,T.	R
17924		MATH-103-01A		Discussion		DIS	W		08:00A-09:10A		J Baskin Engr 169	Staff	
17925		MATH-103-01B		Discussion		DIS	Th		12:00P-01:10P		J Baskin Engr 169	Staff	
17926		MATH-106A-01		Ordinary Diff Equas	5		LEC	TTh	12:00P-01:45P		Crown Clrm 202	Staff	R
23922		MATH-110-01		Intro Number Theory	5	Q	LEC	MWF	11:00A-12:10P		Porter Acad 148	Staff	R
23923		MATH-110-01A		Discussion		DIS	M		03:30P-04:40P		Oakes Acad 222	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23924		MATH-110-01B		Discussion		DIS	T		02:00P-03:10P		Oakes Acad 222	Staff	
17927		MATH-111A-01		Algebra	5	LEC	MWF		12:30P-01:40P		PhysSciences 140	Dong,C.	R
17928		MATH-111A-01A		Discussion		DIS	T		08:00A-09:10A		J Baskin Engr 169	Staff	
17929		MATH-111A-01B		Discussion		DIS	W		03:30P-04:40P		J Baskin Engr 169	Staff	
22697		MATH-112-01		Math Prob Theory	5	LEC	TTh		02:00P-03:45P		Thimann Lab 101	Suidan,T.	R
23925		MATH-118-01		Adv Number Theory	5	LEC	MWF		11:00A-12:10P		J Baskin Engr 169	Gamburd,A.	R
17931		MATH-128A-01		Classical Geometry	5	LEC	MWF		12:30P-01:40P		N. Sci Annex 103	Cooperstein,B.N.	R
		MATH-188-XXX		Supervised Teaching	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-195-XXX		Senior Thesis	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
21446		MATH-200-01		Algebra I	5	LEC	MW		10:00A-11:45A		J Baskin Engr 358	Boltje,R.	
22668		MATH-203-01		Algebra IV	5	LEC	MW		12:00P-01:45P		J Baskin Engr 360	Staff	R
22669		MATH-204-01		Analysis I	5	LEC	TTh		10:00A-11:45A		J Baskin Engr 358	Ehrhardt,T.	R
22670		MATH-208-01		Manifolds I	5	LEC	TTh		02:00P-03:45P		J Baskin Engr 358	Montgomery,R.	
23926		MATH-222A-01		Algebra Number Theo	5	LEC	TTh		10:00A-11:45A		J Baskin Engr 360	Staff	
21447		MATH-225A-01		Lie Algebras	5	LEC	MW		02:00P-03:45P		J Baskin Engr 358	Weitsman,J.	
23927		MATH-254-01		Geometric Analysis	5	LEC	TTh		02:00P-03:45P		J Baskin Engr 360	Qing,J.	
18075		MATH-292-01		Seminar	0	SEM	TTh		04:00P-05:45P		J Baskin Engr 295	Ehrhardt,T.	
		MATH-297A-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-298-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MATH-299A-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

## Music

10012	Y	MUSC-1C-01		Concert Choir	2	A	STU	MW	05:00P-06:45P		Music Center 131	Staff	
				<i>See Enrollment Conditions for instructions</i>									
18390	Y	MUSC-2-01		Univ Orchestra	2	A	STU	TTh	05:00P-07:00P		Music Center 114	Staff	
				<i>See Enrollment Conditions for instructions</i>									
18391	Y	MUSC-3-01		Large Jazz Ensemble	2	A	STU	W	04:00P-06:00P		Music Center 114	Klevan,R.	
				<i>See Enrollment Conditions for instructions</i>									
18392	Y	MUSC-4A-01		Lat Am Ensem: Voces	2	A	STU	TTh	06:00P-07:30P		Music Center 130	Nieves-Miranda,D.I.	
				<i>See Enrollment Conditions for instructions</i>									
18393	Y	MUSC-4B-01		Lat Am En: Taki Nan	2	A	STU	TTh	07:30P-09:30P		Music Center 130	Nieves-Miranda,D.I.	
				<i>See Enrollment Conditions for instructions</i>									
18394	Y	MUSC-5A-01		Beg W Java Gamelan	2	A	STU	W	02:00P-04:00P		Gamelan Stu 230B	Sumarna,U.	
				<i>See Enrollment Conditions for instructions</i>									
10013	Y	MUSC-5B-01		Int W Java Gamelan	2	A	STU	W	11:30A-01:30P		Gamelan Stu 230B	Sumarna,U.	
				<i>See Enrollment Conditions for instructions</i>									
18397	Y	MUSC-5C-01		Adv W Java Gamelan	2	A	STU	M	07:00P-09:00P		Gamelan Stu 230B	Sumarna,U.	
				<i>See Enrollment Conditions for instructions</i>									
23443	Y	MUSC-6-01		ClassicalGuitarEns	2	A	STU	MW	07:00P-08:30P		Music Center 131	Ozgen,M.	
				<i>See Enrollment Conditions for instructions</i>									
10014	Y	MUSC-8-01		Gamelan Angklung	2	A	STU	TTh	06:00P-08:00P		Gamelan Stu 230B	Staff	
				<i>See Enrollment Conditions for instructions</i>									
18398	Y	MUSC-9-01		Wind Ensemble	2	A	STU	MW	06:30P-08:00P		Music Center 114	Klevan,R.	
				<i>See Enrollment Conditions for instructions</i>									
23445		MUSC-11D-01		Intr to World Music	5	HAE	LEC	MWF	11:00A-12:10P		Music Center 101	Schechter,J.M.	
10015		MUSC-13-01		Beg Theory & Mus I	5		LEC	TTh	10:00A-11:45A		Music Center 131	Staff	R
10017	Y	MUSC-30A-01		Theor, Lit, Music I	5		LEC	MW	09:30A-10:40A		Music Center 131	Nauert,P.	
				<i>See Enrollment Conditions for instruction; concurrent enrollment in MUSC 30L is required</i>									
								MWF	11:00A-12:10P		Music Center 130	Ezerova,M.V.	
18410	Y	MUSC-30A-02		Theor, Lit, Music I	5		LEC	MW	09:30A-10:40A		Music Center 131	Nauert,P.	
				<i>See Enrollment Conditions for instructions; concurrent enrollment in MUSC 30L is required</i>									
								MWF	11:00A-12:10P		Music Center 136	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
22168	Y	MUSC-30A-03		Theor, Lit, Music I <i>See Enrollment Conditions for instructions; concurrent enrollment in MUSC 30L is required</i>	5	LEC	MW	09:30A-10:40A MWF 12:30P-01:40P			Music Center 131 Music Center 130	Nauert,P. Ezerova,M.V.	
18411	Y	MUSC-30L-01		Theory,Lit,Music I <i>See Enrollment Conditions for instructions; concurrent enrollment in MUSC 30A is required</i>	2	LAB		**To Be Arranged**				Nauert,P.	
18412		MUSC-30L-01A		Secondary Lab		LBS		**To Be Arranged**				Staff	
18413		MUSC-30L-01B		Secondary Lab		LBS		**To Be Arranged**				Staff	
18414		MUSC-30L-01C		Secondary Lab		LBS		**To Be Arranged**				Staff	
18415		MUSC-30L-01D		Secondary Lab		LBS		**To Be Arranged**				Staff	
18416		MUSC-30L-01E		Secondary Lab		LBS		**To Be Arranged**				Staff	
18417	Y	MUSC-30L-02		Theory,Lit,Music I <i>Concurrent enrollment in MUSC 30A02 is required</i>	2	LAB		**To Be Arranged**				Nauert,P.	
18418		MUSC-30L-02A		Secondary Lab		LBS		**To Be Arranged**				Staff	
18419		MUSC-30L-02B		Secondary Lab		LBS		**To Be Arranged**				Staff	
18420		MUSC-30L-02C		Secondary Lab		LBS		**To Be Arranged**				Staff	
18421		MUSC-30L-02D		Secondary Lab		LBS		**To Be Arranged**				Staff	
18422		MUSC-30L-02E		Secondary Lab		LBS		**To Be Arranged**				Staff	
22169	Y	MUSC-30L-03		Theory,Lit,Music I <i>Concurrent enrollment in MUSC 30A03 is required</i>	2	LAB		**To Be Arranged**				Nauert,P.	
22170	Y	MUSC-30L-03A		Secondary Lab		LBS		**To Be Arranged**				Staff	
22171	Y	MUSC-30L-03B		Secondary Lab		LBS		**To Be Arranged**				Staff	
22172	Y	MUSC-30L-03C		Secondary Lab		LBS		**To Be Arranged**				Staff	
22173	Y	MUSC-30L-03D		Secondary Lab		LBS		**To Be Arranged**				Staff	
22174	Y	MUSC-30L-03E		Secondary Lab		LBS		**To Be Arranged**				Staff	
18423	Y	MUSC-51-01		Vocal Repertoire Class <i>See Enrollment Conditions for instructions</i>	2	A STU	TTh	02:00P-03:00P			Music Center 131	Staufenbiel,B.J.	
18424	Y	MUSC-51-02		Vocal Repertoire Class <i>See Enrollment Conditions for instructions</i>	2	A STU	TTh	03:00P-04:00P			Music Center 131	Maginnis,P.	
22414	Y	MUSC-54-01		N.Indian Music Wrk <i>See Enrollment Conditions for instructions</i>	2	A STU	Th	02:00P-04:30P			Music Center 128	Neuman,D.A.	
18425	Y	MUSC-60-01		Grp Instru In Piano <i>See Enrollment Conditions for instructions</i>	2	STU	TTh	08:45A-09:45A			Music Center 134	Arulanantham,E.L.	
18426	Y	MUSC-60-02		Grp Instru In Piano <i>See Enrollment Conditions for instructions</i>	2	STU	TTh	09:45A-10:45A			Music Center 134	Arulanantham,E.L.	
18427	Y	MUSC-60-03		Grp Instru In Piano <i>See Enrollment Conditions for instructions</i>	2	STU	TTh	10:45A-11:45A			Music Center 134	Arulanantham,E.L.	
18428	Y	MUSC-60-04		Grp Instru In Piano <i>See Enrollment Conditions for instructions</i>	2	STU	TTh	11:45A-12:45P			Music Center 134	Arulanantham,E.L.	
		MUSC-61-XXX		Inv Lsson Half Hour <i>See sponsoring agency for class number</i>	2	STI		**To Be Arranged**				Staff	
		MUSC-62-XXX		Inv Lesson One Hour <i>See sponsoring agency for class number</i>	3	STI		**To Be Arranged**				Staff	
		MUSC-63-XXX		Grp Instrum & Vocal <i>See sponsoring agency for class number</i>	2	STI		**To Be Arranged**				Staff	
23451		MUSC-75-01		Jazz Theory I	5	A LEC	TTh	12:00P-01:45P			Music Center 114	Hester,K.E.	R
18489		MUSC-80C-01		Hist Electronic Mus	5	6A LEC	TTh	12:00P-01:45P			Music Center 101	Bassermann,G.	
23988		MUSC-80I-01		Music Modern Israel	5	4AE LEC	TTh	12:00P-01:45P			Music Center 131	Spagnolo,F.	
22421		MUSC-80X-01		Music Of India	5	4AE LEC	TTh	10:00A-11:45A			Music Center 101	Neuman,D.A.	
		MUSC-94-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5	IND		**To Be Arranged**				Staff	
		MUSC-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5	IND		**To Be Arranged**				Staff	
		MUSC-99F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2	IND		**To Be Arranged**				Staff	
18511		MUSC-100A-01		Theory,Lit,Music II	5	LEC	MWF	09:30A-10:40A			Music Center 130	Carson,B.L.	R
18512		MUSC-100A-01A		Secondary Studio		STS		**To Be Arranged**				Staff	
18513		MUSC-100A-01B		Secondary Studio		STS		**To Be Arranged**				Staff	

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18514		MUSC-100A-01C		Secondary Studio		STS			**To Be Arranged**			Staff	
18515		MUSC-100A-02		Theory,Lit,Music II	5	LEC		MWF	11:00A-12:10P		Music Center 130	Staff	R
18516		MUSC-100A-02A		Secondary Studio		STS			**To Be Arranged**			Staff	
18517		MUSC-100A-02B		Secondary Studio		STS			**To Be Arranged**			Staff	
18518		MUSC-100A-02C		Secondary Studio		STS			**To Be Arranged**			Staff	
18519		MUSC-101C-01		Hist West Art Music	5	LEC		MWF	12:30P-01:40P		Music Center 131	Staff	R
22887	Y	MUSC-102-01		University Orchestra	2	STU		TTh	05:00P-07:00P		Music Center 114	Staff	
				<i>See Enrollment Conditions for instructions</i>									
18520		MUSC-125-01		Adv Elec Sound Synt	5	STU		TTh	02:00P-03:45P		Music Center 191A	Elsa,P.Q.	R
18521		MUSC-130-01		Orchestration	5	LEC		TTh	10:00A-11:45A		Music Center 128	Cope,D.H.	R
18522	Y	MUSC-159A-01		Opera Workshop	2	A STU		TTh	04:00P-05:45P		Music Center 131	Staufenbiel,B.J.	
				<i>See Enrollment Conditions for instructions</i>									
18523	Y	MUSC-159B-01		Opera Workshop	3	A STU		TTh	04:00P-05:45P		Music Center 131	Staufenbiel,B.J.	
				<i>See Enrollment Conditions for instructions</i>									
		MUSC-161-XXX		Inv Lesson One Hour	3	STI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-162-XXX		Adv Inv Lsson One H	5	STI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
18578	Y	MUSC-164-01		Jazz Ensembles	2	STU		W	02:00P-04:00P		Music Center 114	Poplin,S.E.	
				<i>See Enrollment Conditions for instructions</i>									
		MUSC-165-XXX		Chamber Music Wkshp	2	STI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
18605	Y	MUSC-166-01		Chamber Singers	2	A STU		MWF	02:00P-04:00P		Music Center 131	Lieberman,F.	
				<i>See Enrollment Conditions for instructions</i>									
18606		MUSC-167-01		Wksp Electron Music	2	STU			**To Be Arranged**		Music Center 191A	Elsa,P.Q.	R
23453	Y	MUSC-168-01		Cntmp Music Ensmble	2	STU		F	02:00P-04:00P		Music Center 114	Staff	
				<i>See Enrollment Conditions for instructions</i>									
		MUSC-192-XXX		Dir Stu Teach	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-195A-XXX		Senior Thesis	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-195B-XXX		Senior Thesis	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-196A-XXX		Sen Rec W/O Lessons	5	STI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-196B-XXX		Sen Rec W/Lessons	5	STI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-199-XXX		Tutorial	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-199F-XXX		Tutorial	2	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
18694		MUSC-200-01		Intro Res Methods	5	SEM	M		04:00P-07:00P		Music Center 136	Treadwell,N.K.	
23454		MUSC-203H-01		Area Stu Perf Prac	5	SEM			**To Be Arranged**			Neuman,D.A.	
22823		MUSC-219A-01		Technique/Composition	2	SEM	W		04:00P-07:00P		Music Center 136	Carson,B.L.	R
23455		MUSC-252-01		Current Issues Coll	2	SEM	M		02:00P-04:00P		Music Center 138	Staff	R
		MUSC-261-XXX		Grad Applied Instru	3	STI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-265-XXX		Grad Ensem Particip	2	STI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-295-XXX		Directed Reading	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-297-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-298-XXX		Graduate Recital	5	STI			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		MUSC-299-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

## Ocean Sciences

10016	OCEA-1-01	The Oceans	5	NQ LEC	MWF				11:00A-12:10P		Classroom Unit 001	Kudela,R.M.	
<i>Enroll in lecture and associated discussion section</i>													
18948	OCEA-1-01A	Discussion		DIS	Th				10:00A-11:15A		Earth&Marine D266	Staff	
18949	OCEA-1-01B	Discussion		DIS	Th				11:30A-12:45P		Earth&Marine D266	Staff	
18950	OCEA-1-01C	Discussion		DIS	Th				01:00P-02:15P		Earth&Marine D266	Staff	
18951	OCEA-1-01D	Discussion		DIS	Th				02:30P-03:45P		Earth&Marine D266	Staff	
18952	OCEA-1-01E	Discussion		DIS	Th				04:00P-05:15P		Earth&Marine D266	Staff	
18953	OCEA-1-01F	Discussion		DIS	Th				05:30P-06:45P		Earth&Marine D266	Staff	
18954	OCEA-1-01G	Discussion		DIS	F				09:30A-10:45A		Earth&Marine D266	Staff	
18955	OCEA-1-01H	Discussion		DIS	F				12:30P-01:45P		Earth&Marine D266	Staff	
18956	OCEA-1-01I	Discussion		DIS	F				02:00P-03:15P		Earth&Marine D266	Staff	
10018	OCEA-80A-01	Life In The Sea	5	2 LEC	MWF				09:30A-10:40A		Earth&Marine B206	Silver,M.E.	
<i>Enroll in lecture and associated discussion section</i>													
18958	OCEA-80A-01A	Discussion		DIS	M				11:00A-12:25P		Earth&Marine D266	Staff	
18959	OCEA-80A-01B	Discussion		DIS	M				12:40P-02:05P		Earth&Marine D266	Staff	
18960	OCEA-80A-01C	Discussion		DIS	M				02:20P-03:45P		Earth&Marine D266	Staff	
18961	OCEA-80A-01D	Discussion		DIS	M				04:00P-05:25P		Earth&Marine D266	Staff	
18962	OCEA-80A-01E	Discussion		DIS	M				05:40P-07:05P		Earth&Marine D266	Staff	
18963	OCEA-80A-01F	Discussion		DIS	M				07:20P-08:45P		Earth&Marine D266	Staff	
18964	OCEA-80A-01G	Discussion		DIS	T				10:00A-11:25A		Earth&Marine D266	Staff	
18965	OCEA-80A-01H	Discussion		DIS	T				11:40A-01:05P		Earth&Marine D266	Staff	
18966	OCEA-80A-01I	Discussion		DIS	T				01:20P-02:45P		Earth&Marine D266	Staff	
18967	OCEA-80A-01J	Discussion		DIS	T				03:00P-04:25P		Earth&Marine D266	Staff	
18968	OCEA-80A-01K	Discussion		DIS	T				04:40P-06:05P		Earth&Marine D266	Staff	
18969	OCEA-80A-01L	Discussion		DIS	T				06:20P-07:45P		Earth&Marine D266	Staff	
18972	OCEA-200-01	Physcl Oceanography	5	LEC	TTh				02:00P-03:45P		J Baskin Engr 169	Edwards,C.A.	
22423	OCEA-200-01A	Discussion		DIS	M				12:30P-01:40P		J Baskin Engr 169	Staff	
18973	OCEA-280-01	Marine Geology	5	LEC	TTh				10:00A-11:45A		N. Sci Annex 102	Delaney,M.L.	R
<i>Also offered as EART 102</i>													
18974	OCEA-280-01A	Discussion		DIS	T				12:00P-01:45P		Earth&Marine B214	Staff	
18975	OCEA-292-01	Seminar	0	SEM	W				03:30P-05:00P		Earth&Marine A340	Staff	
18976	OCEA-296-01	Teaching Ocean Sci	2	LEC	W				09:30A-10:40A		Earth&Marine D266	Edwards,C.A.	R
	OCEA-297A-XXX	Independent Study	5	IND					**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
	OCEA-297B-XXX	Independent Study	10	IND					**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
	OCEA-297C-XXX	Independent Study	15	IND					**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
	OCEA-299A-XXX	Thesis Research	5	IND					**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
	OCEA-299B-XXX	Thesis Research	10	IND					**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													
	OCEA-299C-XXX	Thesis Research	15	IND					**To Be Arranged**			Staff	
<i>See sponsoring agency for class number</i>													

## Philosophy

22807	PHIL-9-01	Intro To Logic	5	HQ LEC	MWF				03:30PM-04:40PM		Kresge Clrm 321	Otte,R.E.	
22888	PHIL-9-01A	Discussion		DIS					**To Be Arranged**			Staff	
22889	PHIL-9-01B	Discussion		DIS					**To Be Arranged**			Staff	
22890	PHIL-9-01C	Discussion		DIS					**To Be Arranged**			Staff	
22891	PHIL-9-01D	Discussion		DIS					**To Be Arranged**			Staff	
22892	PHIL-9-01E	Discussion		DIS					**To Be Arranged**			Staff	
23510	PHIL-9-01F	Discussion		DIS					**To Be Arranged**			Staff	
19112	PHIL-11-01	Intro To Philosophy	5	H LEC	MWF				12:30PM-01:40PM		Earth&Marine B206	Guevara,D.E.	
19113	PHIL-11-01A	Discussion		DIS					**To Be Arranged**			Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
19114		PHIL-11-01B		Discussion		DIS			**To Be Arranged**			Staff	
19115		PHIL-11-01C		Discussion		DIS			**To Be Arranged**			Staff	
19116		PHIL-11-01D		Discussion		DIS			**To Be Arranged**			Staff	
19117		PHIL-11-01E		Discussion		DIS			**To Be Arranged**			Staff	
19118		PHIL-11-01F		Discussion		DIS			**To Be Arranged**			Staff	
19119		PHIL-11-01G		Discussion		DIS			**To Be Arranged**			Staff	
19120		PHIL-11-01H		Discussion		DIS			**To Be Arranged**			Staff	
23048		PHIL-11-01I		Discussion		DIS			**To Be Arranged**			Staff	
23049		PHIL-11-01J		Discussion		DIS			**To Be Arranged**			Staff	
23824		PHIL-26-01		Existentialism&After	5	H	LEC	MWF	08:00AM-09:10AM		Porter Acad 144	Goff,R.A.	
23957		PHIL-26-01A		Discussion			DIS		**To Be Arranged**			Staff	
23958		PHIL-26-01B		Discussion			DIS		**To Be Arranged**			Staff	
23393		PHIL-80G-01		Bioethics 21st Cent	5	6	LEC	TTh	02:00PM-03:45PM		Earth&Marine B206	Akeson,M.A. Metcalf,J.P.	
				<i>Enroll in lecture and associated discussion section; also offered as BME 80G</i>									
23902		PHIL-80G-01A		Discussion			DIS	M	08:00AM-09:10AM		Soc Sci 2 167	Staff	
23903		PHIL-80G-01B		Discussion			DIS	M	06:30PM-07:40PM		Soc Sci 2 159	Staff	
23904		PHIL-80G-01C		Discussion			DIS	T	08:30AM-09:40AM		Soc Sci 2 167	Staff	
23905		PHIL-80G-01D		Discussion			DIS	T	06:00PM-07:10PM		Soc Sci 2 159	Staff	
23906		PHIL-80G-01E		Discussion			DIS	T	07:30PM-08:40PM		Soc Sci 2 159	Staff	
23907		PHIL-80G-01F		Discussion			DIS	W	11:00AM-12:10PM		Soc Sci 2 167	Staff	
23908		PHIL-80G-01G		Discussion			DIS	Th	12:00PM-01:10PM		Soc Sci 2 167	Staff	
23909		PHIL-80G-01H		Discussion			DIS	Th	06:00PM-07:10PM		Soc Sci 2 159	Staff	
19121		PHIL-91-01		Ancient Greek Phil	5		LEC	MWF	09:30AM-10:40AM		Eight Acad 240	Bowin,J.F.	
19122		PHIL-91-01A		Discussion			DIS		**To Be Arranged**			Staff	
19123		PHIL-91-01B		Discussion			DIS		**To Be Arranged**			Staff	
21448		PHIL-91-01C		Discussion			DIS		**To Be Arranged**			Staff	
21449		PHIL-91-01D		Discussion			DIS		**To Be Arranged**			Staff	
		PHIL-99-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
23520		PHIL-108-01		19Th-C Philosophy	5		LEC	MWF	12:30PM-01:40PM		Earth&Marine B214	Hoy,J.B.	R
24057		PHIL-108-01A		Discussion			DIS		**To Be Arranged**			Staff	
24058		PHIL-108-01B		Discussion			DIS		**To Be Arranged**			Staff	
23521		PHIL-110-01		Heidegger	5		LEC	TTh	12:00PM-01:45PM		Cowell Com 134	Hoy,J.B.	R
23862		PHIL-114-01		Probability/Confirm	5		LEC	MWF	02:00PM-03:10PM		Cowell Acad 216	Otte,R.E.	R
				<i>Taught in conjunction with PHIL 214</i>									
23522		PHIL-125-01		Phil Of Science	5		LEC	TTh	06:00PM-07:45PM		Crown Clrm 208	Stone,A.D.	R
23523		PHIL-140-01		History Of Ethics	5		LEC	TTh	10:00AM-11:45AM		Cowell Com 134	Staff	
21813		PHIL-180H-01		Philos Colloquia	2		LEC		**To Be Arranged**			Staff	R
23287		PHIL-190W-01		Consciousness	5		SEM	T	02:00PM-05:00PM		Oakes Acad 109	Hoy,D.C.	R
				<i>Taught in conjunction with PHIL 290W</i>									
23286		PHIL-190Y-01		Insults&Intentions	5		SEM	M	03:30PM-06:30PM		Cowell Acad 216	Neu,J.	R
				<i>Taught in conjunction with PHIL 236</i>									
		PHIL-195A-XXX		Senior Essay	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-195B-XXX		Senior Essay	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-199-XXX		Tutorial	5		IND		**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
19192		PHIL-201-01		First Qtr Seminar	5		SEM		**To Be Arranged**			Ellis,J.E.	R
23863		PHIL-214-01		Probability/Confirm	5		LEC	MWF	02:00PM-03:10PM		Cowell Acad 216	Otte,R.E.	R
				<i>Taught in conjunction with PHIL 114</i>									
23289		PHIL-223-01		Recent Europ Phil	5		SEM	F	02:00PM-05:00PM		Oakes Acad 109	Hoy,D.C.	R
				<i>Also offered as HISC 223</i>									
21571		PHIL-236-01		On Insults	5		SEM	M	03:30PM-06:30PM		Cowell Acad 216	Neu,J.	R
				<i>Taught in conjunction with PHIL 190Y</i>									

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23288		PHIL-290W-01		His Of Consciousnes	5	SEM	T		02:00PM-05:00PM		Oakes Acad 109	Hoy,D.C.	R
				<i>Taught in conjunction with PHIL 190W</i>									
		PHIL-294-XXX		Teach Related Ind	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-295-XXX		Directed Reading	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		PHIL-297-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
		PHIL-299-XXX		Thesis Research	5	IND			**To Be Arranged**			Staff	

## Physical Education

19277	Y	PHYE-5A-01		Swimming Level I	0	STU	TTh		01:00PM-02:00PM		50 Mtr Pool	Kimball,J.H.	
				<i>(non-swimmers) See Enrollment Conditions for instructions</i>									
19278	Y	PHYE-5A-02		Swimming Level I	0	STU	MW		10:00AM-11:00AM		50 Mtr Pool	Kimball,J.H.	
				<i>See Enrollment Conditions for instructions</i>									
19279	Y	PHYE-5B-01		Swimming Level II	0	STU	MW		09:00AM-10:00AM		50 Mtr Pool	Kimball,J.H.	
				<i>See Enrollment Conditions for instructions</i>									
19280	Y	PHYE-5C-01		Aquat:Swim Levl III	0	STU	MW		10:00AM-11:00AM		50 Mtr Pool	McCallum,J.R.	
				<i>See Enrollment Conditions for instructions</i>									
19281	Y	PHYE-5E-01		Lifeguard Training	0	STU	TTh		09:30AM-12:00PM		50 Mtr Pool	Musch,K.I.	
				<i>See Enrollment Conditions for instructions</i>									
19282	Y	PHYE-5G-01		Swim Conditioning	0	STU	MW		11:00AM-12:00PM		50 Mtr Pool	Staff	
				<i>See Enrollment Conditions for instructions</i>									
19283	Y	PHYE-5G-02		Swim Conditioning	0	STU	MW		09:00AM-10:00AM		50 Mtr Pool	McCallum,J.R.	
				<i>See Enrollment Conditions for instructions</i>									
10022	Y	PHYE-5R-01		Basic Scuba Diving	0	STU	T		07:00PM-09:30PM		Cowell Clrm 131	Shin,C.J.	
				<i>See Enrollment Conditions for instructions.</i>					W 09:30AM-12:00PM		50 Mtr Pool	Shin,C.J.	
				<i>Class meeting for 5R is Tuesday at 7 p.m. in</i>					**To Be Arranged**		Ocean	Shin,C.J.	
				<i>Cowell 131. If pool lab meets first, go to the lab of your choice (Wed. or Thurs.)</i>									
19285	Y	PHYE-5R-02		Basic Scuba Diving	0	STU	T		07:00PM-09:30PM		Cowell Clrm 131	Shin,C.J.	
				<i>See Enrollment Conditions for instructions.</i>					Th 04:30PM-07:00PM		50 Mtr Pool	Shin,C.J.	
				<i>Class meeting for 5R is Tuesday at 7 p.m. in</i>					**To Be Arranged**		Ocean	Shin,C.J.	
				<i>Cowell 131; if pool lab meets first, go to the lab of your choice (Wed. or Thurs.)</i>									
10023	Y	PHYE-5T-01		Advan Scuba Diving	0	STU	F		05:00PM-08:00PM		OPERS Conference 211E	Shin,C.J.	
				<i>See Enrollment Conditions for instructions. First 2 weeks only; remainder of class TBA (ocean, weekends).</i>									
19287	Y	PHYE-5U-01		Scuba instruction	0	STU	Su		07:00PM-09:00PM		Martial Arts	Shin,C.J.	
				<i>See Enrollment Conditions for instructions. First meeting only/remainder of class TBA (50m pool, ocean).</i>									
19288	Y	PHYE-5U-01E		Scuba Rescue Diving	0	STU	T		04:00PM-06:00PM		OPERS Conference 211E	Shin,C.J.	
				<i>See Enrollment Conditions for instructions</i>									
19289	Y	PHYE-5U-01N		Scuba Divemaster	0	STU	W		04:00PM-06:00PM		OPERS Conference 211E	Shin,C.J.	
				<i>See Enrollment Conditions for instructions</i>									
19290		PHYE-9B-01		Basic Sailing	0	STU	M		12:30PM-03:00PM		Harbor	Vandenberg,P.C.	
				<i>First meeting of 9B held at East Field House, main entrance to administration building; participants must be able to swim. Please attend the first meeting even if online enrollment indicates class is full. Classes are for 8 weeks.</i>									
19291		PHYE-9B-02		Basic Sailing	0	STU	T		09:30AM-12:00PM		Harbor	Vandenberg,P.C.	
19292		PHYE-9B-03		Basic Sailing	0	STU	W		09:30AM-12:00PM		Harbor	Vandenberg,P.C.	
19293		PHYE-9B-04		Basic Sailing	0	STU	Th		09:30AM-12:00PM		Harbor	Vandenberg,P.C.	
19294		PHYE-9B-05		Basic Sailing	0	STU	F		09:30AM-12:00PM		Harbor	Kingon,R.L.	
19295		PHYE-9B-06		Basic Sailing	0	STU	F		12:30PM-03:00PM		Harbor	Kingon,R.L.	
19296		PHYE-9C-01		Inter Sail Dinghy	0	STU	T		01:00PM-03:30PM		Harbor	Kingon,R.L.	
				<i>First meeting of 9C held at East Field House, main entrance to administration building. Participants must be able to swim. Please attend first meeting even if online enrollment indicates that class is full.</i>									
19297		PHYE-9C-02		Inter Sail Dinghy	0	STU	W		12:30PM-03:00PM		Harbor	Vandenberg,P.C.	
19298		PHYE-9C-03		Inter Sail Keel	0	STU	T		12:30PM-03:00PM		Harbor	Vandenberg,P.C.	
19299		PHYE-9E-01		Competitive Sailing	0	STU	WF		03:00PM-04:30PM		Harbor	Vandenberg,P.C.	
				<i>First meeting of 9E at UCSC Marina, SC Small Craft Harbor.</i>									
19300		PHYE-9H-01		Intermed Rowing	0	STU	MW		08:20AM-10:00AM		Harbor	Kingon,R.L.	
				<i>All 9H and 9J sections meet for 6 weeks only; first class meeting at East Field main entrance to administration building. Participants must be able to swim. Please show up at the first class even if online enrollment shows class is full.</i>									
19301		PHYE-9J-01		Basic Rowing	0	STU	MW		10:00AM-11:40AM		Harbor	Kingon,R.L.	
19302		PHYE-9J-02		Basic Rowing	0	STU	TTh		07:40AM-09:20AM		Harbor	Kingon,R.L.	
19303		PHYE-9J-03		Basic Rowing	0	STU	TTh		09:20AM-11:00AM		Harbor	Kingon,R.L.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
19304		PHYE-9J-04		Basic Rowing	0	STU	TTh		11:00AM-12:40PM		Harbor	Kington,R.L.	
19305		PHYE-15B-01		Beginning Basketball	0	STU	MW		12:30PM-01:30PM		West Gym	Johnson,G.D.	
19306		PHYE-15B-02		Basketball Conditioning	0	STU			**To Be Arranged**		West Gym	Johnson,G.D.	
19307		PHYE-15H-01		Racquetball	0	STU	Th		06:00PM-08:00PM		E Racquet Ct	George,C.C.	
19308		PHYE-15N-01		Beginning Tennis	0	STU	MW		09:00AM-10:00AM		E Tennis Ct	Staff	
19309		PHYE-15N-02		Beginning Tennis	0	STU	TTh		10:00AM-11:00AM		E Tennis Ct	Staff	
23751		PHYE-15N-03		Intermediate Tennis	0	STU	MW		10:00AM-11:00AM		E Tennis Ct	Staff	
19311		PHYE-15N-04		Intermediate Tennis	0	STU	TTh		09:00AM-10:00AM		E Tennis Ct	Staff	
19312	Y	PHYE-15N-05		Advanced Tennis	0	STU	MW		11:00AM-12:00PM		E Tennis Ct	Staff	
				<i>See Enrollment Conditions for instructions</i>									
19313	Y	PHYE-15N-06		Competitive Tennis-Womn	0	STU			**To Be Arranged**		E Tennis Ct	Staff	
				<i>See Enrollment Conditions for instructions</i>									
23733		PHYE-15T-01		Beg/Int Volleyball	0	STU	TTh		11:00AM-12:00PM		West Gym	Teitelbaum,S.B.	
19314		PHYE-15T-02		Int/Adv Volleyball	0	STU	TTh		12:30PM-02:00PM		West Gym	Teitelbaum,S.B.	
19315		PHYE-20A-01		Ballet I	0	STU	TTh		10:15AM-11:45AM		Dance Studio	Bergland,V.M.	
19316		PHYE-20A-02		Continuing Ballet I	0	STU	MW		09:00AM-10:30AM		Dance Studio	Norris,L.K.	
19317		PHYE-20A-03		Ballet II	0	STU	MW		10:30AM-12:00PM		Dance Studio	Norris,L.K.	
19318		PHYE-20A-04		Ballet III	0	STU	TTh		01:00PM-02:30PM		Dance Studio	Norris,L.K.	
19319		PHYE-20B-01		Folk Dance Internatl	0	STU	TTh		12:00PM-01:00PM		Dance Studio	Cochlin,R.V.	
19320		PHYE-20C-01		Jazz Dance I	0	STU	TTh		02:30PM-04:00PM		Dance Studio	Norris,L.K.	
19321		PHYE-20C-02		Jazz Dance II	0	STU	MW		12:30PM-02:00PM		Dance Studio	Norris,L.K.	
19322		PHYE-20C-03		Jazz Dance III	0	STU	F		11:45AM-01:45PM		Dance Studio	Norris,L.K.	
19324		PHYE-20D-01		Modern Dance I	0	STU	MW		02:00PM-03:30PM		Dance Studio	Cochlin,R.V.	
19325		PHYE-20D-02		Modern Dance II	0	STU	MW		03:30PM-05:00PM		Dance Studio	Staff	
19326		PHYE-20D-03		Modern Dance III	0	STU	TTh		08:45AM-10:15AM		Dance Studio	Cochlin,R.V.	
24070		PHYE-20D-04		Modern Dance I	0	STU	MW		05:15PM-06:45PM		Dance Studio	Staff	
19328	Y	PHYE-20F-01		Indiv Study Dance	0	STU			**To Be Arranged**			Cochlin,R.V.	
				<i>See Enrollment Conditions for instructions See Theater Arts for additional dance courses</i>									
19329		PHYE-25A-01		Fencing: Epee	0	STU	TTh		10:00AM-11:00AM		East Gym	Blackburn,C.A.	
19330		PHYE-25B-01		Fencing: Foil	0	STU	MW		02:00PM-03:00PM		East Gym	Blackburn,C.A.	
19331		PHYE-25C-01		Fencing: Sabre	0	STU	TTh		02:00PM-03:00PM		East Gym	Blackburn,C.A.	
19332		PHYE-28K-01		Beg/Int Soccer	0	STU	TTh		03:00PM-04:30PM		East Remote Field	Runeare,M.J.	
19333		PHYE-30G-01		Cardio Boxing	0	STU	TTh		06:00PM-07:15PM		OPERS Multi Purpose	Jacobson,B.E.	
19334		PHYE-30G-02		Cardio Boxing	0	STU	MW		09:00AM-10:15AM		OPERS Multi Purpose	Jacobson,L.P.	
19335		PHYE-30G-03		Aerobics	0	STU	MW		05:15PM-06:30PM		OPERS Multi Purpose	Staff	
19336		PHYE-30G-04		Total Body Condition	0	STU	MW		06:30PM-07:30PM		OPERS Multi Purpose	Staff	
23930		PHYE-30G-05		Pliates	0	STU	TTh		10:30AM-11:45AM		PE Activity Rm	Cochlin,R.V.	
19337		PHYE-30H-01		Tai Chi Chuan	0	STU	TTh		03:10PM-04:40PM		OPERS Multi Purpose	Blackburn,C.A.	
19338		PHYE-30H-02		Tai Chi Chuan	0	STU	MW		03:10PM-04:40PM		OPERS Multi Purpose	Blackburn,C.A.	
19339		PHYE-30J-01		Begin Weight Train-Wmn	0	STU	MW		09:00AM-10:30AM		Fitness/Wellness	Mori,C.A.	
19340		PHYE-30J-02		Begin Weight Training	0	STU	TTh		01:00PM-02:30PM		Fitness/Wellness	Mori,C.A.	
19341		PHYE-30J-03		Begin Weight Training	0	STU	MW		01:00PM-02:30PM		Fitness/Wellness	Andrews,R.	
19342		PHYE-30J-04		Begin Weight Training	0	STU	TTh		09:00AM-10:30AM		Fitness/Wellness	Lewis,D.R.	
19343		PHYE-30J-05		Inter Weight Training	0	STU	TTh		10:30AM-12:00PM		Fitness/Wellness	Lewis,D.R.	
21609		PHYE-30J-06		Athletic Conditioning	0	STU	TTh		10:30AM-12:00PM		Fitness/Wellness	Andrews,R.	
19345		PHYE-30J-7		Cardio Weight Training	0	STU	MW		10:30AM-12:00PM		Fitness/Wellness	Mori,C.A.	
19346		PHYE-30L-01		Beginning Yoga	0	STU	WF		10:00AM-11:30AM		PE Activity Rm	Cochlin,R.V.	
19347		PHYE-30L-03		Beginning Yoga	0	STU	MW		11:30AM-01:00PM		Martial Arts	Kimball,J.H.	
19348		PHYE-30L-04		Beginning Yoga	0	STU	TTh		10:15AM-11:45AM		Martial Arts	Kimball,J.H.	
19349		PHYE-30L-05		Cont Beginning Yoga	0	STU	MW		01:00PM-02:30PM		Martial Arts	Kimball,J.H.	
19350		PHYE-30L-06		Cont Beginning Yoga	0	STU	TTh		08:30AM-10:00AM		Martial Arts	Kimball,J.H.	
19351		PHYE-43A-01		Int/Adv Aikido	0	STU	MW		08:30AM-10:00AM		Martial Arts	Shibata,Y.	
				<i>Sections 43A03-04 are for students who have had some Aikido experience</i>									
19352		PHYE-43A-02		Int/Adv Aikido	0	STU	TTh		01:15PM-02:45PM		Martial Arts	Shibata,Y.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
19353		PHYE-43A-03		Beg/Inter Aikido	0	STU	MW		10:00AM-11:30AM		Martial Arts	Shibata,Y.	
19354		PHYE-43A-04		Beg/Inter Aikido	0	STU	TTh		03:00PM-04:30PM		Martial Arts	Shibata,Y.	
19355		PHYE-43G-01		Begin Tae Kwon Do	0	STU	MW		11:00AM-12:30PM		West Gym	Song,S.	
19356		PHYE-43G-02		Int/Adv Tae Kwon Do	0	STU	MW		09:30AM-11:00AM		West Gym	Song,S.	

## Physics

19357		PHYS-5A-01		Intro Physics I <i>Concurrent enrollment in PHYS 5L is required</i>	5	NQ LEC	MWF		11:00A-12:10P		Thim Lecture 003	Smith,D.M.	R
19360		PHYS-5D-01		Heat,Thermo&Kinetic	2	LEC	T		06:00P-07:45P		Thim Lecture 003	Deutsch,J.	R
19361		PHYS-5L-01		Intro Phys I Lab <i>Concurrent enrollment in PHYS 5A is required</i>	1	LAB	M		03:30P-06:30P		Thimann Lab 127	Staff	R
19362		PHYS-5L-02		Intro Phys I Lab	1	LAB	M		07:00P-10:00P		Thimann Lab 127	Staff	R
19363		PHYS-5L-03		Intro Phys I Lab	1	LAB	T		09:00A-12:00P		Thimann Lab 127	Staff	R
19364		PHYS-5L-04		Intro Phys I Lab	1	LAB	T		02:00P-05:00P		Thimann Lab 127	Staff	R
19365		PHYS-5L-05		Intro Phys I Lab	1	LAB	T		07:00P-10:00P		Thimann Lab 127	Staff	R
22181		PHYS-5L-06		Intro Phys I Lab	1	LAB	W		07:00P-10:00P		Thimann Lab 127	Staff	R
22191		PHYS-5L-07		Intro Phys I Lab	1	LAB	Th		09:00A-12:00P		Thimann Lab 127	Staff	R
23524		PHYS-5L-08		Intro Phys I Lab	1	LAB	Th		07:00P-10:00P		Thimann Lab 127	Staff	R
19366		PHYS-6A-01		Intro Physics I <i>Concurrent enrollment in PHYS 6L is required</i>	5	NQ LEC	MWF		08:00A-09:10A		Thim Lecture 003	Kuttner,F.H.	R
19369		PHYS-6C-01		Intro Phys III <i>Concurrent enrollment in PHYS 6N is required</i>	5	NQ LEC	MWF		03:30P-04:40P		Thim Lecture 003	Johnson,R.P.	R
19372		PHYS-6L-01		Intro Phys I Lab <i>Concurrent enrollment in PHYS 6A is required</i>	1	LAB	M		10:00A-01:00P		Thimann Lab 115	Staff	R
19373		PHYS-6L-02		Intro Phys I Lab	1	LAB	M		02:00P-05:00P		Thimann Lab 115	Staff	R
19374		PHYS-6L-03		Intro Phys I Lab	1	LAB	M		07:00P-10:00P		Thimann Lab 115	Staff	R
19375		PHYS-6L-04		Intro Phys I Lab	1	LAB	T		08:30A-11:30A		Thimann Lab 115	Staff	R
19376		PHYS-6L-05		Intro Phys I Lab	1	LAB	T		12:00P-03:00P		Thimann Lab 115	Staff	R
19377		PHYS-6L-06		Intro Phys I Lab	1	LAB	T		07:00P-10:00P		Thimann Lab 115	Staff	R
19378		PHYS-6L-07		Intro Phys I Lab	1	LAB	W		02:00P-05:00P		Thimann Lab 115	Staff	R
19379		PHYS-6L-08		Intro Phys I Lab	1	LAB	W		07:00P-10:00P		Thimann Lab 115	Staff	R
19380		PHYS-6L-09		Intro Phys I Lab	1	LAB	Th		08:30A-11:30A		Thimann Lab 115	Staff	R
19381		PHYS-6L-10		Intro Phys I Lab	1	LAB	Th		12:00P-03:00P		Thimann Lab 115	Staff	R
23092		PHYS-6L-11		Intro Phys I Lab	1	LAB	Th		07:00P-10:00P		Thimann Lab 115	Staff	R
19382		PHYS-6N-01		Intro Phys III Lab <i>Concurrent enrollment In PHYS 6C is required</i>	1	LAB	M		10:00A-01:00P		Thimann Lab 121	Staff	R
19383		PHYS-6N-02		Intro Phys III Lab	1	LAB	M		07:00P-10:00P		Thimann Lab 121	Staff	R
19384		PHYS-6N-03		Intro Phys III Lab	1	LAB	T		02:00P-05:00P		Thimann Lab 121	Staff	R
19385		PHYS-6N-04		Intro Phys III Lab	1	LAB	T		07:00P-10:00P		Thimann Lab 121	Staff	R
21823		PHYS-6N-05		Intro Phys III Lab	1	LAB	W		07:00P-10:00P		Thimann Lab 121	Staff	R
22951		PHYS-6N-06		Intro Phys III Lab	1	LAB	Th		12:30P-03:30P		Thimann Lab 121	Staff	R
19386		PHYS-10-01		Overview Of Physics	2	LEC	T		04:00P-05:45P		Thim Lecture 001	Deutsch,J.	
19390		PHYS-101A-01		Intro Modern Phys I	5	LEC	MWF		02:00P-03:10P		PhysSciences 110	Staff	R
19391		PHYS-101A-01A		Discussion		DIS	T		06:00P-07:30P		ISB 235	Staff	
19392		PHYS-105-01		Mechanics	5	LEC	MWF		09:30A-10:40A		PhysSciences 114	Brown,G.S.	R
19393		PHYS-105-01A		Discussion		DIS	W		07:00P-08:30P		ISB 235	Staff	
19394		PHYS-116C-01		Math Method Physics	5	LEC	TTh		10:00A-11:45A		PhysSciences 114	Young,A.P.	R
19395		PHYS-116C-01A		Discussion		DIS	M		07:00P-08:30P		ISB 235	Staff	
22867		PHYS-134-01		Physics Adv Lab <i>Enroll in lab and associated secondary lab</i>	5	LAB			**To Be Arranged**		Nat Sci 2 110	Carter,S.A.	R
22868		PHYS-134-01A		Secondary Lab		LBS	MW		02:00P-06:00P		Nat Sci 2 110	Staff	
22869		PHYS-134-01B		Secondary Lab		LBS	TTh		02:00P-06:00P		Nat Sci 2 110	Staff	
21577		PHYS-135A-01		Astrophys Adv Lab <i>Enroll in lab and associated secondary lab; some evenings required for night-time observing; also offered as ASTR 135A</i>	3	LAB	Th		12:00P-01:45P		Nat Sci 2 110	Dewey,R.J.	R
22671		PHYS-135A-01A		Secondary Lab		LBS			**To Be Arranged**			Staff	
19396		PHYS-139B-01		Quantum Mechanics	5	LEC	TTh		02:00P-03:45P		ISB 231	Schlesinger,Z.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
19397		PHYS-171-01		Genl Relativity <i>Also offered as ASTR 171</i>	5	LEC	TTh		10:00A-11:45A		ISB 231	Aguirre,A.N.	R
19398		PHYS-195A-01		Sr Thesis Research	3	SEM	T		12:00P-01:45P		ISB 231	Heusch,C.A.	
19471		PHYS-210-01		Classical Mechanics	5	LEC	TTh		12:00P-01:45P		ISB 235	Shastry,B.S.	R
19472		PHYS-212-01		Electromagnetism I	5	LEC	MWF		11:00A-12:10P		ISB 231	Narayan,O.	R
19473		PHYS-217-01		Quant Fld Theory I	5	LEC	TTh		02:00P-03:45P		ISB 235	Primack,J.R.	R
19474		PHYS-221A-01		Int Particle Phys I	5	LEC	MWF		02:00P-03:10P		J Baskin Engr 169	Schumm,B.A.	R
19475		PHYS-231-01		Intro Condes Matter	5	LEC	MWF		09:30A-10:40A		ISB 231	Staff	R
19478		PHYS-292-01		Seminar	0	SEM	Th		04:00P-05:45P		Thim Lecture 001	Belanger,D.P.	R

## Politics

23528		POLI-1-01		Democratic Politics	5	S	LEC	TTh	12:00PM-01:45PM		ClassroomUnit 002	Wirlds,D.J.	
23529		POLI-1-01A		Discussion			DIS		**To Be Arranged**			Staff	
23530		POLI-1-01B		Discussion			DIS		**To Be Arranged**			Staff	
23531		POLI-1-01C		Discussion			DIS		**To Be Arranged**			Staff	
23532		POLI-1-01D		Discussion			DIS		**To Be Arranged**			Staff	
23533		POLI-1-01E		Discussion			DIS		**To Be Arranged**			Staff	
23534		POLI-1-01F		Discussion			DIS		**To Be Arranged**			Staff	
23536		POLI-73-01		Sovergnty/Intervntn	5	S	LEC	MWF	08:00AM-09:10AM		Oakes Acad 105	Staff	
23578		POLI-73-01A		Discussion			DIS		**To Be Arranged**			Staff	
23579		POLI-73-01B		Discussion			DIS		**To Be Arranged**			Staff	
23580		POLI-73-01C		Discussion			DIS		**To Be Arranged**			Staff	
23581		POLI-73-01D		Discussion			DIS		**To Be Arranged**			Staff	
23582		POLI-103-01		Feminist Intervntns	5		LEC	MWF	11:00AM-12:10PM		Crown Clrm 208	Seth,V.	R
23278		POLI-105B-01		Mod Politic Thought <i>Enroll in lecture and associated discussion section; also offered as LGST 105B</i>	5		LEC	MW	07:00PM-08:45PM		Thim Lecture 001	Seth,V.	R
23279		POLI-105B-01A		Discussion			DIS		**To Be Arranged**			Staff	
23280		POLI-105B-01B		Discussion			DIS		**To Be Arranged**			Staff	
23281		POLI-105B-01C		Discussion			DIS		**To Be Arranged**			Staff	
23282		POLI-105B-01D		Discussion			DIS		**To Be Arranged**			Staff	
22303		POLI-107-01		Morality/Survr/Recov <i>Enroll in lecture and associated discussion section; also offered as LGST 107</i>	5		LEC	TTh	02:00PM-03:45PM		Kresge Clrm 327	Meister,R.L.	
22304		POLI-107-01A		Discussion			DIS		**To Be Arranged**			Staff	
22305		POLI-107-01B		Discussion			DIS		**To Be Arranged**			Staff	
22306		POLI-107-01C		Discussion			DIS		**To Be Arranged**			Staff	
22307		POLI-107-01D		Discussion			DIS		**To Be Arranged**			Staff	
22897		POLI-109-01		Orientalism	5		LEC	MWF	09:30AM-10:40AM		Earth&Marine B210	Thomas,M.C.	R
22551		POLI-112-01		Women and the Law <i>Also offered as FMST 112; mandatory sections to be assigned first week of class</i>	5		LEC	TTh	12:00PM-01:45PM		Kresge Clrm 327	Dent,G.	R
22308		POLI-120C-01		Capit Amer Pol Dev <i>Enroll in lecture and associated discussion section; also offered as LGST 120C</i>	5		LEC	MWF	12:30PM-01:40PM		Thim Lecture 001	Bertram,E.C.	R
22309		POLI-120C-01A		Discussion			DIS		**To Be Arranged**			Staff	
22310		POLI-120C-01B		Discussion			DIS		**To Be Arranged**			Staff	
22311		POLI-120C-01C		Discussion			DIS		**To Be Arranged**			Staff	
22312		POLI-120C-01D		Discussion			DIS		**To Be Arranged**			Staff	
23950		POLI-140C-01		Latin Am Politcs	5	E	LEC	TTh	02:00PM-03:45PM		Thim Lecture 001	Staff	R
23951		POLI-140C-01A		Discussion			DIS		**To Be Arranged**			Staff	
23952		POLI-140C-01B		Discussion			DIS		**To Be Arranged**			Staff	
23953		POLI-140C-01C		Discussion			DIS		**To Be Arranged**			Staff	
23954		POLI-140C-01D		Discussion			DIS		**To Be Arranged**			Staff	
23586		POLI-142-01		Russian Politics	5		LEC	MWF	12:30PM-01:40PM		Soc Sci 2 179	Urban,M.E.	
22968		POLI-149-01		DemocraticTransitns	5		LEC	TTh	04:00PM-05:45PM		Crown Clrm 208	Staff	R
23590		POLI-160A-01		Internatl Politics <i>Enroll in lecture and associated discussion section</i>	5		LEC	TTh	12:00PM-01:45PM		ClassroomUnit 001	Lipschutz,R.D.	R
23591		POLI-160A-01A		Discussion			DIS		**To Be Arranged**			Staff	
23592		POLI-160A-01B		Discussion			DIS		**To Be Arranged**			Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23593		POLI-160A-01C		Discussion		DIS			**To Be Arranged**			Staff	
23594		POLI-160A-01D		Discussion		DIS			**To Be Arranged**			Staff	
23595		POLI-160A-01E		Discussion		DIS			**To Be Arranged**			Staff	
23596		POLI-160A-01F		Discussion		DIS			**To Be Arranged**			Staff	
24000		POLI-174-01		Global Envirn Polit	5	SEM	MW		05:00PM-06:45PM		Soc Sci 2 179	Langridge,R.	R
23597		POLI-190D-01		Anarch/Social Thot	5	SEM	MW		05:00PM-06:45PM		Merrill Acad 003	Thomas,M.C.	R
23598		POLI-190L-01		Welfare Policy/Polit	5	SEM	MW		07:00PM-08:45PM		Merrill Acad 003	Bertram,E.C.	R
23600		POLI-190W-01		Livng Aftermat Evil	5	SEM	TTh		10:00AM-11:45AM		Merrill Acad 003	Staff	R
23601		POLI-200B-01		Soc Forces/Pol Chng	5	SEM	MW		05:00PM-06:45PM		Crown Clrm 104	Urban,M.E.	R
23602		POLI-232-01		U.S. Political Hist	5	SEM	M		06:00PM-09:00PM		Crown Clrm 235	Frymer,P.	R
19744		POLI-291-01		TA Seminar	2	SEM			12:00AM-12:00AM			Lipschutz,R.D.	

### Portuguese

19836		PORT-1A-01		Elmentry Portuguese	5	LEC	MWF		12:30P-01:40P		Oakes Acad 102	Seara,A.M.	
19837		PORT-60A-01		Beg-Intr Portuguese	5	LEC	MWF		02:00P-03:10P		Oakes Acad 102	Seara,A.M.	R
19838		PORT-65B-01		Intermed Portuguese	5	H LEC	MWF		03:30P-04:40P		Oakes Acad 102	Seara,A.M.	R

### Psychology

19876		PSYC-1-01		Intro Psychology <i>Enroll in lecture and associated discussion section</i>	5	S LEC	TTh		12:00PM-01:45PM		Media Theater M110	Kawamoto,A.H. Byrne,C.C. Thorne,A.	
19877		PSYC-1-01A		Discussion		DIS	T		08:00PM-09:10PM		Crown Clrm 202	Staff	
19878		PSYC-1-01B		Discussion		DIS	Th		08:30AM-09:40AM		Crown Clrm 201	Staff	
19879		PSYC-1-01C		Discussion		DIS	W		05:00PM-06:10PM		Crown Clrm 202	Staff	
19880		PSYC-1-01D		Discussion		DIS	T		06:00PM-07:10PM		Oakes Acad 101	Staff	
19881		PSYC-1-01E		Discussion		DIS	Th		08:30AM-09:40AM		Crown Clrm 203	Staff	
19882		PSYC-1-01F		Discussion		DIS	W		08:00AM-09:10AM		Cowell Acad 223	Staff	
19883		PSYC-1-01G		Discussion		DIS	T		08:00PM-09:10PM		Oakes Acad 101	Staff	
19884		PSYC-1-01H		Discussion		DIS	Th		08:30AM-09:40AM		Porter Acad 249	Staff	
19885		PSYC-1-01I		Discussion		DIS	W		05:00PM-06:10PM		Cowell Acad 223	Staff	
19886		PSYC-1-01J		Discussion		DIS	T		04:00PM-05:10PM		Soc Sci 1 153	Staff	
19887		PSYC-1-01K		Discussion		DIS	W		07:00PM-08:10PM		Porter Acad 249	Staff	
19888		PSYC-1-01L		Discussion		DIS	W		08:00AM-09:10AM		Porter Acad 249	Staff	
19889		PSYC-1-01M		Discussion		DIS	W		07:00PM-08:10PM		Soc Sci 1 149	Staff	
21460		PSYC-2-01		Intro Psyc Stats <i>Enroll in lecture and associated discussion section</i>	5	Q LEC	MWF		09:30AM-10:40AM		Merrill Acad 102	Staff	
21461		PSYC-2-01A		Discussion		DIS	T		08:30AM-09:40AM		Kresge Acad 194	Staff	
21462		PSYC-2-01B		Discussion		DIS	Th		06:00PM-07:10PM		Soc Sci 1 161	Staff	
21463		PSYC-2-01C		Discussion		DIS	M		05:00PM-06:10PM		Soc Sci 2 159	Staff	
21464		PSYC-2-01D		Discussion		DIS	T		08:00PM-09:10PM		Merrill Acad 132	Staff	
19890		PSYC-3-01		Research Methods <i>Enroll in lecture and associated discussion section</i>	7	LEC	MWF		09:30AM-10:40AM		ClassroomUnit 001	Crosby,F.J.	R
19891		PSYC-3-01A		Discussion		DIS	M		11:00AM-01:00PM		Soc Sci 2 104	Staff	
19892		PSYC-3-01B		Discussion		DIS	M		01:00PM-03:00PM		Soc Sci 2 104	Staff	
19893		PSYC-3-01C		Discussion		DIS	M		03:00PM-05:00PM		Soc Sci 2 104	Staff	
19894		PSYC-3-01D		Discussion		DIS	M		05:00PM-07:00PM		Soc Sci 2 104	Staff	
19895		PSYC-3-01E		Discussion		DIS	T		08:00AM-10:00AM		Soc Sci 2 104	Staff	
19896		PSYC-3-01F		Discussion		DIS	T		10:00AM-12:00PM		Soc Sci 2 104	Staff	
19897		PSYC-3-01G		Discussion		DIS	T		12:00PM-02:00PM		Soc Sci 2 104	Staff	
19898		PSYC-3-01H		Discussion		DIS	T		02:00PM-04:00PM		Soc Sci 2 104	Staff	
19899		PSYC-3-01I		Discussion		DIS	T		04:00PM-06:00PM		Soc Sci 2 104	Staff	
19900		PSYC-3-01J		Discussion		DIS	T		06:00PM-08:00PM		Soc Sci 2 104	Staff	
19901		PSYC-10-01		Intro Develop Psych <i>Enroll in lecture and associated discussion section</i>	5	LEC	MWF		12:30PM-01:40PM		Kresge Clrm 321	Azmitia,M.	R
19902		PSYC-10-01A		Discussion		DIS	M		08:00AM-09:10AM		Kresge Clrm 325	Staff	
19903		PSYC-10-01B		Discussion		DIS	T		08:30AM-09:40AM		Kresge Clrm 325	Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
19904		PSYC-10-01C		Discussion		DIS	Th		06:00PM-07:10PM		Kresge Clrm 325	Staff	
19905		PSYC-10-01D		Discussion		DIS	W		07:00PM-08:10PM		Kresge Clrm 325	Staff	
23603		PSYC-20-01		Intr Cognitive Psyc	5	LEC	MWF		02:00PM-03:10PM		J Baskin Engr 152	Richardson,D.C.	R
23604		PSYC-20-01A		Discussion		DIS	Th		12:00PM-01:10PM		N. Sci Annex 102	Staff	
23605		PSYC-20-01B		Discussion		DIS	F		08:00AM-09:10AM		N. Sci Annex 102	Staff	
23606		PSYC-20-01C		Discussion		DIS	T		06:00PM-07:10PM		Cowell Com 134	Staff	
23607		PSYC-20-01D		Discussion		DIS	Th		04:00PM-05:10PM		Cowell Com 134	Staff	
19906		PSYC-40-01		Intro Social Psych	5	LEC	TTh		08:00AM-09:45AM		Merrill Acad 102	Pratkanis,A.R.	R
19907		PSYC-40-01A		Discussion		DIS	M		02:00PM-03:10PM		Kresge Clrm 325	Staff	
19908		PSYC-40-01B		Discussion		DIS	W		07:00PM-08:10PM		Eight Acad 242	Staff	
19909		PSYC-40-01C		Discussion		DIS	F		03:30PM-04:40PM		Eight Acad 242	Staff	
19910		PSYC-40-01D		Discussion		DIS	Th		12:00PM-01:10PM		Kresge Clrm 325	Staff	
19911		PSYC-80A-01		Psych and Religion	5	3 LEC	TTh		02:00PM-03:45PM		Media Theater M110	Quinn,R.H.	
19912		PSYC-80A-01A		Discussion		DIS	M		08:00AM-09:10AM		Cowell Com 134	Staff	
19913		PSYC-80A-01B		Discussion		DIS	W		03:30PM-04:10PM		Cowell Com 134	Staff	
19914		PSYC-80A-01C		Discussion		DIS	F		12:30PM-01:40PM		N. Sci Annex 102	Staff	
21471		PSYC-80A-01D		Discussion		DIS	T		08:00PM-09:10PM		Eight Acad 250	Staff	
19915		PSYC-80A-01E		Discussion		DIS	Th		04:00PM-05:10PM		Eight Acad 250	Staff	
21472		PSYC-80A-01F		Discussion		DIS	M		03:30PM-04:40PM		Eight Acad 250	Staff	
19916		PSYC-80A-01G		Discussion		DIS	W		05:00PM-06:10PM		Cowell Com 134	Staff	
19917		PSYC-80A-01H		Discussion		DIS	F		08:00AM-09:10AM		Cowell Com 134	Staff	
19918		PSYC-80A-01I		Discussion		DIS	T		07:30PM-08:40PM		Cowell Com 134	Staff	
19919		PSYC-80A-01J		Discussion		DIS	F		03:30PM-04:40PM		Cowell Com 134	Staff	
22516		PSYC-107-01		Develop in Infancy	5	LEC	TTh		02:00PM-03:45PM		Soc Sci 2 179	Wang,S.	
21476		PSYC-109-01		Adult Devel & Aging	5	LEC	TTh		06:00PM-07:45PM		Merrill Acad 102	Martyna,W.	R
21477		PSYC-109-01A		Discussion		DIS	M		07:00PM-08:10PM		J Baskin Engr 165	Staff	
21478		PSYC-109-01B		Discussion		DIS	W		09:30AM-10:40AM		Merrill Acad 130	Staff	
23608		PSYC-109-01C		Discussion		DIS	F		08:00AM-09:10AM		Merrill Acad 130	Staff	
23609		PSYC-109-01D		Discussion		DIS	W		05:00PM-06:10PM		J Baskin Engr 165	Staff	
23610		PSYC-115-01		Topics:Pers/Dev Psy	5	SEM	TTh		10:00AM-11:45AM		PhysSciences 130	Harrington,D.M.	R
19920		PSYC-117-01		Children's Thinking	5	LEC	MW		05:00PM-06:45PM		Soc Sci 1 110	Staff	R
19921		PSYC-117-01A		Discussion		DIS	T		04:00PM-05:10PM		Cowell Com 134	Staff	
19922		PSYC-117-01B		Discussion		DIS	Th		08:30AM-09:40AM		Cowell Com 134	Staff	
22517		PSYC-120D-01		Deafness/Sign Lang	5	SEM	TTh		10:00AM-11:45AM		Eight Acad 252	Wilson,M.L.	R
23611		PSYC-120F-01		Lying & Deception	5	SEM	TTh		12:00PM-01:45PM		Soc Sci 2 179	Seymour,T.L.	R
23853		PSYC-126-01		Aging and Human Brain	5	LEC	TTh		06:00PM-07:45PM		Soc Sci 2 071	Mather,M.	R
23854		PSYC-126-01A		Discussion		DIS	M		03:30PM-04:40PM		Cowell Com 134	Staff	
23855		PSYC-126-01B		Discussion		DIS	W		08:00AM-09:10AM		Cowell Com 134	Staff	
23612		PSYC-135-01		Feelings & Emotions	5	LEC	TTh		04:00PM-05:45PM		J Baskin Engr 152	Gibbs,R.W.	R
23613		PSYC-135-01A		Discussion		DIS	M		05:00PM-06:10PM		Oakes Acad 102	Staff	
23614		PSYC-135-01B		Discussion		DIS	W		11:00AM-12:10PM		Cowell Acad 113	Staff	
23615		PSYC-135-01C		Discussion		DIS	Th		07:30PM-08:40PM		Soc Sci 1 161	Staff	
23616		PSYC-135-01D		Discussion		DIS	T		08:30AM-09:40AM		Oakes Acad 102	Staff	
23617		PSYC-139-01		Dec Making/Prb Solv	5	LEC	MWF		11:00AM-12:10PM		Soc Sci 2 071	Lindemann,K.L.	R
23618		PSYC-139-01A		Discussion		DIS	T		08:30AM-09:40AM		Cowell Com 134	Staff	
23619		PSYC-139-01B		Discussion		DIS	Th		06:00PM-07:10PM		Cowell Com 134	Staff	
22865		PSYC-140A-01		Women's Lives Pract	2	FLD			**To Be Arranged**			Bullock,H.E.	R
22700		PSYC-140G-01		Women's Lives	5	LEC	MW		05:00PM-06:45PM		Merrill Acad 102	Bullock,H.E.	R
22701		PSYC-140G-01A		Discussion		DIS	T		08:30AM-09:40AM		Eight Acad 242	Staff	
22702		PSYC-140G-01B		Discussion		DIS	W		11:00AM-12:10PM		Kresge Clrm 325	Staff	
22703		PSYC-140G-01C		Discussion		DIS	T		06:00PM-07:10PM		Kresge Clrm 325	Staff	
22704		PSYC-140G-01D		Discussion		DIS	W		08:00AM-09:10AM		Oakes Acad 222	Staff	
23622		PSYC-140P-01		Sexual Aggression	5	SEM	TTh		12:00PM-01:45PM		Soc Sci 1 161	Zurbriggen,E.L.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
23660		PSYC-141-01		Consumer Psychology	5	SEM	TTh		10:00AM-11:45AM		Merrill Acad 130	Pratkanis,A.R.	R
19924		PSYC-169-01		Commun Mental Health	5	LEC	TTh		04:00PM-05:45PM		Merrill Acad 102	Tonay,V.K.	R
21479		PSYC-169-01A		Discussion		DIS	M		07:00PM-08:10PM		Eight Acad 242	Staff	
21480		PSYC-169-01B		Discussion		DIS	W		08:00AM-09:10AM		Kresge Clrm 325	Staff	
19925		PSYC-169-01C		Discussion		DIS	F		02:00PM-03:10PM		Kresge Clrm 325	Staff	
19926		PSYC-169-01D		Discussion		DIS	T		12:00PM-01:10PM		Kresge Clrm 325	Staff	
22524		PSYC-170-01		Abnormal Psychology	5	LEC	TTh		02:00PM-03:45PM		J Bask Aud 101	Gjerde,P.F.	R
22525		PSYC-170-01A		Discussion		DIS	M		08:00AM-09:10AM		J Baskin Engr 165	Staff	
22526		PSYC-170-01B		Discussion		DIS	T		08:00PM-09:10PM		J Baskin Engr 165	Staff	
22527		PSYC-170-01C		Discussion		DIS	W		08:00AM-09:10AM		J Baskin Engr 165	Staff	
22528		PSYC-170-01D		Discussion		DIS	Th		08:00PM-09:10PM		J Baskin Engr 165	Staff	
22529		PSYC-170-01E		Discussion		DIS	F		09:30AM-10:40AM		Merrill Acad 130	Staff	
22530		PSYC-170-01F		Discussion		DIS	W		07:00PM-08:10PM		J Baskin Engr 165	Staff	
19927		PSYC-171-01		Child Psychopathol	5	LEC	TTh		12:00PM-01:45PM		Porter Acad 144	Saposnek,D.T.	R
19928		PSYC-171-01A		Discussion		DIS	W		05:00PM-06:10PM		Soc Sci 1 161	Staff	
19929		PSYC-171-01B		Discussion		DIS	Th		08:30AM-09:40AM		Earth&Marine B214	Staff	
19930	Y	PSYC-191A-01		Intro to Psychology	5	SEM	F		09:00AM-12:00PM		Soc Sci 2 104	Kawamoto,A.H.	
				<i>See Enrollment Conditions for instructions</i>									
19974	Y	PSYC-194A-01		Adv Devel Research	5	LAB			**To Be Arranged**			Thorne,A.	
				<i>See Enrollment Conditions for instructions</i>									
19975	Y	PSYC-194B-01		Adv Cognitive Res	5	LAB			**To Be Arranged**			Fox Tree,J.E.	
				<i>See Enrollment Conditions for instructions</i>									
19976	Y	PSYC-194C-01		Adv Social Research	5	LAB			**To Be Arranged**			Hurtado,A.	
				<i>See Enrollment Conditions for instructions</i>									
20309		PSYC-204-01		Quant Data Analysis	5	SEM	TTh		10:00AM-11:45AM		Soc Sci 2 159	Vevea,J.L.	R
22969		PSYC-211A-01		Person/Social Being	5	SEM	M		07:00PM-10:00PM		Soc Sci 2 104	Haney,C.W.	R
23668		PSYC-222-01		Lexical Organizatio	5	SEM	TTh		02:00PM-03:45PM		Soc Sci 2 137	Kawamoto,A.H.	R
20310		PSYC-224A-01		Prosem: Cogni Psy I	5	SEM	TTh		04:00PM-05:45PM		Soc Sci 1 149	Massaro,D.W.	R
				Prosem: Cogni Psy I					04:00PM-05:45PM		Soc Sci 1 149	Wilson,M.L.	R
23669		PSYC-225A-01		Intro Dev Reserch I	5	SEM			**To Be Arranged**			Harrington,D.M.	R
20311		PSYC-230-01		Cogni Psych Seminar	5	SEM	W		03:30PM-05:00PM		Soc Sci 2 121	Massaro,D.W.	R
20312		PSYC-231-01		Social Psych Sem	5	SEM	M		10:30AM-12:00PM		Soc Sci 2 121	Byrne,C.C.	R
20313		PSYC-242-01		Dev Psysc Seminar	5	SEM	M		03:30PM-05:00PM		Soc Sci 2 121	Staff	R
20314		PSYC-244A-01		Prosem I:Lang Devel	5	SEM	TTh		12:00PM-01:45PM		Soc Sci 2 363	Akhtar,N.N.	R
23670		PSYC-246-01		Cultr Diver Hum Dev	5	SEM	M		05:00PM-08:00PM		Soc Sci 1 161	Cooper,C.R.	R
20315		PSYC-290B-01		Adv Devel Research	2	SEM	M		09:00AM-11:00AM		Soc Sci 2 221	Rogoff,B.	R
23671		PSYC-290C-01		Professional Devel	3	SEM	T		09:00AM-11:00AM		Soc Sci 2 237	Thorne,A.	R
<b>Russian</b>													
20534		RUSS-1-01		Instr Russian Lang	5	LEC	MWF		11:00A-12:10P		Cowell Com 134	Nickell,W.S.	
20535		RUSS-4-01		Intermed Russian	5	H LEC	MWF		02:00P-03:10P		Cowell Acad 222	Nickell,W.S.	R
<b>Science Communication</b>													
20558		SCIC-201A-01		Reporting Sci News	5	SEM	TTh		08:00A-09:45A		Sinsheimer Lb 101	Staff	R
20559		SCIC-202-01		Writ & Edit Wrkshop	5	SEM	TTh		10:00A-11:45A		Sinsheimer Lb 101	Staff	R
<b>Social Documentaion</b>													
22827		SOCD-200-01		Approach Social Docmt	5	SEM	Th		12:00P-03:00P		Eight Acad 301	Rich,B.R.	R
22828		SOCD-202-01		Practice/Social Doc	5	SEM	T		02:00P-05:00P		Oakes Acad 106	Tajima,R.	R
23470		SOCD-294A-01		Prod/Anlysis/Editng	5	SEM	T		06:00P-09:00P		Eight Acad 242	Tajima,R.	R
		SOCD-295-XXX		Project Completion	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									
		SOCD-297-XXX		Independent Study	5	IND			**To Be Arranged**			Staff	
				<i>See sponsoring agency for class number</i>									

### Social Sciences

22765	Y	SOCS-194A-01		<b>UCDC Intern Seminar</b> <i>This course is scheduled in Washington, D.C.</i>	5	FLD			**To Be Arranged**			Brown,M.K.	
22766	Y	SOCS-194B-01		<b>UCDC Intern Seminar</b> <i>This course is scheduled in Washington, D.C.</i>	5	FLD			**To Be Arranged**			Brown,M.K.	

### Sociology

20576		SOCY-1-01		<b>Intro Sociology</b> <i>Enroll in lecture and associated discussion section</i>	5	S	LEC	MW	05:00PM-06:45PM		Media Theater M110	Reinarman,C.	
20577		SOCY-1-01A		Discussion			DIS		**To Be Arranged**			Staff	
20578		SOCY-1-01B		Discussion			DIS		**To Be Arranged**			Staff	
20579		SOCY-1-01C		Discussion			DIS		**To Be Arranged**			Staff	
20580		SOCY-1-01D		Discussion			DIS		**To Be Arranged**			Staff	
22532		SOCY-1-01E		Discussion			DIS		**To Be Arranged**			Staff	
22533		SOCY-1-01F		Discussion			DIS		**To Be Arranged**			Staff	
22534		SOCY-1-01G		Discussion			DIS		**To Be Arranged**			Staff	
22535		SOCY-1-01H		Discussion			DIS		**To Be Arranged**			Staff	
22536		SOCY-1-01I		Discussion			DIS		**To Be Arranged**			Staff	
22537		SOCY-1-01J		Discussion			DIS		**To Be Arranged**			Staff	
22538		SOCY-1-01K		Discussion			DIS		**To Be Arranged**			Staff	
22539		SOCY-1-01L		Discussion			DIS		**To Be Arranged**			Staff	
20581		SOCY-15-01		<b>World Society</b> <i>Enroll in lecture and associated discussion section</i>	5	SE	LEC	TTh	04:00PM-05:45PM		Earth&Marine B206	Crow,B.D.	
20582		SOCY-15-01A		Discussion			DIS		**To Be Arranged**			Staff	
20583		SOCY-15-01B		Discussion			DIS		**To Be Arranged**			Staff	
20584		SOCY-15-01C		Discussion			DIS		**To Be Arranged**			Staff	
20585		SOCY-15-01D		Discussion			DIS		**To Be Arranged**			Staff	
20586		SOCY-15-01E		Discussion			DIS		**To Be Arranged**			Staff	
20587		SOCY-15-01F		Discussion			DIS		**To Be Arranged**			Staff	
21481		SOCY-15-01G		Discussion			DIS		**To Be Arranged**			Staff	
21482		SOCY-15-01H		Discussion			DIS		**To Be Arranged**			Staff	
20588		SOCY-30A-01		<b>Global Info Interns</b>	3		LAB	TTh	12:00PM-01:45PM		PhysSciences 130	Crow,B.D.	
20595		SOCY-105A-01		<b>Classical Soc Theor</b> <i>Enroll in lecture and associated discussion section.</i>	5		LEC	TTh	08:00AM-09:45AM		Earth&Marine B206	Traugott,M.	R
20596		SOCY-105A-01A		Discussion			DIS		**To Be Arranged**			Staff	
20597		SOCY-105A-01B		Discussion			DIS		**To Be Arranged**			Staff	
20598		SOCY-105A-01C		Discussion			DIS		**To Be Arranged**			Staff	
20599		SOCY-105A-01E		Discussion			DIS		**To Be Arranged**			Staff	
20600		SOCY-105A-01F		Discussion			DIS		**To Be Arranged**			Staff	
20601		SOCY-105A-01G		Discussion			DIS		**To Be Arranged**			Staff	
23673		SOCY-111-01		<b>Family &amp; Society</b> <i>Enroll in lecture and associated discussion section</i>	5		LEC	MW	03:30PM-05:15PM		Porter Acad 148	Martyna,W.	
23676		SOCY-111-01A		Discussion			DIS		**To Be Arranged**			Staff	
23677		SOCY-111-01B		Discussion			DIS		**To Be Arranged**			Staff	
22546		SOCY-116-01		<b>Comm &amp; Mass Media</b>	5		LEC	MWF	08:00AM-09:10AM		Porter Acad 148	Guerra,F.	R
23696		SOCY-119-01		<b>Soc Of Knowledge</b>	5		SEM	TTh	08:00AM-09:45AM		Porter Acad 148	Childs,J.B.	R
24072		SOCY-119-01A		Discussion			DIS		**To Be Arranged**			Staff	
24073		SOCY-119-01B		Discussion			DIS		**To Be Arranged**			Staff	
22550		SOCY-135-01		<b>Nonverbal Communic</b>	5		LEC	M	05:00PM-08:00PM		Eight Acad 252	Archer,D.	
23697		SOCY-141-01		<b>Group Processes</b>	5		LEC	W	05:00PM-08:00PM		Oakes Acad 222	Millman,M.	R
23698		SOCY-144-01		<b>Sociology of Women</b>	5		LEC	TTh	06:00PM-07:45PM		Porter Acad 148	West,C.	R
24074		SOCY-144-01A		Discussion			DIS		**To Be Arranged**			Staff	
24075		SOCY-144-01B		Discussion			DIS		**To Be Arranged**			Staff	
23699		SOCY-166-01		<b>Non-Economists Econ</b>	5		LEC	MWF	09:30AM-10:40AM		Engineer 2 192	Shapiro,H.	R
23700		SOCY-178-01		<b>Social Problems</b>	5		LEC	MWF	12:30PM-01:40PM			Guerra,F.	
22557		SOCY-185-01		<b>Environ Inequality</b>	5		LEC	MWF	11:00AM-12:10PM		Soc Sci 2 075	Szasz,A.	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
20819		SOCY-201-01		Make Classic Theory	5	SEM	W		02:00PM-05:00PM		Crown Clrm 105	Szasz,A.	R
20820		SOCY-203-01		Sociol Methods	5	LEC	M		02:00PM-05:00PM		Crown Clrm 105	West,C.	R
20821		SOCY-204-01		Quantitative Analys	5	SEM	M		08:00AM-11:00AM		Crown Clrm 105	Takagi,D.	R
23702		SOCY-225-01		Pol Econ For Sociol	5	SEM	F		11:00AM-02:00PM		Crown Clrm 105	Shapiro,H.	R
23703		SOCY-261-01		Soc Of Knowledge	5	SEM	W		08:00AM-11:00AM		Crown Clrm 105	Childs,J.B.	R

## Spanish

20904		SPAN-1-01		Instr Spanish Lang	5	LEC	MWF		12:30P-01:40P		Crown Clrm 203	Ramirez,F.A.	R
20905		SPAN-1-02		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		Crown Clrm 202	Ramirez,F.A.	R
23332		SPAN-1-03		Instr Spanish Lang	5	LEC	MWF		08:00A-09:10A		Kresge Acad 194	Morris,M.D.	R
22853		SPAN-1T-01		Instruc Span-Topics	5	LEC	MWF		02:00P-03:10P		Crown Clrm 203	Gonzalez Pagani,M.	R
22854	Y	SPAN-1U-01		Span Lang Instr Lab	2	LAB			**To Be Arranged**			Gonzalez Pagani,M.	
20906		SPAN-2-01		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		Merrill Acad 130	Barcelo,B.	R
20907		SPAN-2-02		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		Merrill Acad 130	Barcelo,B.	R
20908		SPAN-2-03		Instr Spanish Lang	5	LEC	MWF		11:00A-12:10P		PhysSciences 140	Romero,A.	R
20909		SPAN-2-04		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		N. Sci Annex 103	Staff	R
20910		SPAN-2-05		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		N. Sci Annex 103	Staff	R
20912		SPAN-3-01		Instr Spanish Lang	5	LEC	MWF		02:00P-03:10P		J Baskin Engr 165	Perez,A.A.	R
20913		SPAN-3-02		Instr Spanish Lang	5	LEC	MWF		03:30P-04:40P		J Baskin Engr 165	Perez,A.A.	R
20914		SPAN-3-03		Instr Spanish Lang	5	LEC	MWF		09:30A-10:40A		Kresge Acad 194	Morris,M.D.	R
20915		SPAN-3-04		Instr Spanish Lang	5	LEC	MWF		11:00A-12:10P		Kresge Acad 194	Morris,M.D.	R
20916		SPAN-4-01		Intermed Spanish	5	H SEM	MWF		12:30P-01:40P		J Baskin Engr 165	Perez,A.A.	R
20917		SPAN-4-02		Intermed Spanish	5	H SEM	MWF		12:30P-01:40P		Soc Sci I 161	Calierno,C.	R
20918		SPAN-4-03		Intermed Spanish	5	H SEM	MWF		02:00P-03:10P		Soc Sci I 161	Calierno,C.	R
20919		SPAN-4-04		Intermed Spanish	5	H SEM	MWF		03:30P-04:40P		Soc Sci I 161	Calierno,C.	R
20920		SPAN-5-01		Intermed Spanish	5	H LEC	MWF		02:00P-03:10P		PhysSciences 136	Romero,A.	R
20921		SPAN-5-02		Intermed Spanish	5	H LEC	MWF		03:30P-04:40P		N. Sci Annex 102	Romero,A.	R
22316		SPAN-5M-01		Medical Spanish	5	H LEC	MWF		12:30P-01:40P		Merrill Acad 130	Barcelo,B.	R
20922		SPAN-6-01		Intermed/Adv Span	5	H LEC	MWF		08:00A-09:10A		Crown Clrm 202	Ramirez,F.A.	R
20923		SPAN-6-02		Intermed/Adv Span	5	H LEC	MWF		03:30P-04:40P		Merrill Acad 132	Navarro,M.A.	R
23833		SPAN-156F-01		El Humor en Espanol	5	LEC	MWF		03:30P-04:40P		Crown Clrm 203	Gonzalez Pagani,M.	

## Spanish for Spanish Speakers

20955		SPSS-61-01		Spanish Speakers	5	H LEC	MWF		11:00A-12:10P		Soc Sci 2 179	Feliu,V.E.	
20956		SPSS-61-02		Spanish Speakers	5	H LEC	MWF		03:30P-04:40P		Soc Sci 2 167	Feliu,V.E.	
22855		SPSS-61-03		Spanish Speakers	5	H LEC	MWF		02:00P-03:10P		Merrill Acad 132	Navarro,M.A.	

## Theater Arts

20995		THEA-10-01		Intro to Design	5	A LEC	MWF		09:30A-10:40A		TA 2nd Stage	Staff	
21622		THEA-12-01		Production Manage	5	A LEC	TTh		08:00A-09:45A		TA Studio C102	Staff	
23712		THEA-14-01		Drawing	5	A STU	TTh		12:00P-01:45P		TA Studio C102	Edmunds,K.	
23713		THEA-17-01		Costume Construct	5	A STU	TTh		10:00A-11:45A		TA Costume K102	Arnst,N.J.	
20996		THEA-20-01		Intr Studies Acting	5	HA STU	MWF		11:00A-12:10P		TA Exp Theater L106	Staff	
				<i>Enroll in lecture and associated discussion section</i>									
20997		THEA-20-01A		Secondary Studio		STS	T		09:00A-10:10A		TA Studio C100	Staff	
20998		THEA-20-01B		Secondary Studio		STS	T		10:30A-11:40A		TA Studio C100	Staff	
20999		THEA-20-01C		Secondary Studio		STS	Th		01:00P-02:10P		TA Studio C100	Staff	
21000		THEA-20-01D		Secondary Studio		STS	Th		02:30P-03:40P		TA Studio C100	Staff	
22558		THEA-20-01E		Secondary Studio		STS	W		01:00P-02:10P		TA Drama B100	Staff	
22559		THEA-20-01F		Secondary Studio		STS	W		02:30P-03:40P		TA Drama B100	Staff	
21001		THEA-21-01		Acting Studio I	5	A STU	TTh		02:00P-05:00P		TA Drama B100	Mostkoff,P.H.	R
21487		THEA-22-01		Indonesian Dance	5	AE STU	TTh		04:00P-05:45P		TA Mainstage A105	Foley,M.K.	
21002		THEA-30-01		Intr Modern Dance	5	HA STU	MWF		11:00A-12:30P		TA Mainstage A105	Beal,T.	
22560		THEA-30-02		Intr Modern Dance	5	HA STU	MWF		01:00P-02:30P		TA Mainstage A105	Warburton,E.C.	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
21003		THEA-50-01		<b>Fundamen Production</b>	2	A	STU		<b>**To Be Arranged**</b>			Cuthbert,D.L.	
				<i>Enroll in lecture and associated secondary studio; first class meeting Wednesday, 9/27, 9am, on TA Main Stage, remainder TBA</i>									
21004		THEA-50-01A		<b>Secondary Studio</b>			STS		<b>**To Be Arranged**</b>			Staff	
21005		THEA-50-01B		<b>Secondary Studio</b>			STS		<b>**To Be Arranged**</b>			Staff	
21618		THEA-50-01C		<b>Secondary Studio</b>			STS		<b>**To Be Arranged**</b>			Staff	
21619		THEA-50-01D		<b>Secondary Studio</b>			STS		<b>**To Be Arranged**</b>			Staff	
21620		THEA-50-01E		<b>Secondary Studio</b>			STS		<b>**To Be Arranged**</b>			Staff	
21621		THEA-50-01F		<b>Secondary Studio</b>			STS		<b>**To Be Arranged**</b>			Staff	
22763	Y	THEA-55A-01		<b>Barnstorm</b>	5		STU	MTWTh	07:00P-10:00P		Barn Theater 021	Cuthbert,D.L.	
				<i>See Enrollment Conditions for instructions</i>									
							F		03:30P-06:30P		Barn Theater 021		
22764	Y	THEA-55B-01		<b>Barnstorm Lab</b>	2		STU	MTWTh	07:00P-10:00P		Barn Theater 021	Cuthbert,D.L.	
				<i>See Enrollment Conditions for instructions</i>									
							F		03:30P-06:30P		Barn Theater 021		
23931		THEA-60A-01		<b>Develmt Theatr Arts</b>	5	HA	LEC	MWF	11:00A-12:10P		TA 2nd Stage	Mostkoff,P.H.	
				<i>Enroll in lecture and associated discussion section</i>									
23932		THEA-60A-01A		<b>Discussion</b>			DIS	W	12:30P-01:40P		TA Offices J102	Staff	
23933		THEA-60A-01B		<b>Discussion</b>			DIS	W	02:00P-03:10P		TA Offices J102	Staff	
23934		THEA-60A-01C		<b>Discussion</b>			DIS	T	09:00A-10:10A		TA Offices J102	Staff	
23935		THEA-60A-01D		<b>Discussion</b>			DIS	T	10:30A-11:40A		TA Offices J102	Staff	
23936		THEA-60A-01E		<b>Discussion</b>			DIS	Th	11:30A-12:40P		TA Offices J102	Staff	
23937		THEA-60A-01F		<b>Discussion</b>			DIS	Th	01:00P-02:10P		TA Offices J102	Staff	
22564		THEA-80E-01		<b>Stand-Up Comedy</b>	5	4A	LEC	TTh	12:00P-01:45P		TA Exp Theater L106	Staff	
22565		THEA-80E-02		<b>Stand-Up Comedy</b>	5	4A	LEC	TTh	02:00P-03:45P		TA Exp Theater L106	Staff	
22566		THEA-80L-01		<b>Muppet Magic</b>	5	4A	LEC	TTh	02:00P-03:45P		TA 2nd Stage	Foley,M.K.	
				<i>Enroll in lecture and associated discussion section</i>									
22567		THEA-80L-01A		<b>Discussion</b>			DIS	W	09:00A-10:10A		TA Drama B201	Staff	
22568		THEA-80L-01B		<b>Discussion</b>			DIS	W	10:30A-11:40A		TA Drama B201	Staff	
22569		THEA-80L-01C		<b>Discussion</b>			DIS	W	02:00P-03:10P		TA Drama B201	Staff	
22570		THEA-80L-01D		<b>Discussion</b>			DIS	W	03:30P-04:40P		TA Drama B201	Staff	
22571		THEA-80L-01E		<b>Discussion</b>			DIS	F	10:00A-11:10A		TA Drama B201	Staff	
23722		THEA-80L-01F		<b>Muppet Magic</b>	5	4A	LEC	F	11:30A-12:40P		TA Drama B201	Staff	
21816		THEA-80Z-01		<b>Indian Dance</b>	5	4A	STU	TTh	10:00A-11:45A		TA Exp Theater L106	Staff	
21016	Y	THEA-121-01		<b>Acting Studio II</b>	5	A	STU	MWF	02:00P-04:00P		TA Studio C100	Gallagher,P.M.	
				<i>See Enrollment Conditions for instructions</i>									
22575		THEA-124-01		<b>Movement Performers</b>	5	A	STU	MWF	09:00A-10:45A		TA Mainstage A105	Gallagher,P.M.	
21492	Y	THEA-126-01		<b>Acting Studio III</b>	5	A	STU	MW	09:00A-11:15A		TA Drama B100	Martinez,A.R.	
				<i>See Enrollment Conditions for instructions</i>									
24002		THEA-128-01		<b>Choreographic Wkshp</b>	5	A	STU	MWF	01:00P-03:00P		TA Mainstage A104	Franko,M.	R
22762		THEA-135-01		<b>Dance Improvisation</b>	5	A	STU	MWF	10:00A-12:00P		TA Mainstage A104	Warburton,E.C.	
21017	Y	THEA-151-01		<b>Stdy Perform Drama</b>	5	A	STU	MTWTh	07:00P-10:00P		TA Mainstage A100	Whitworth,P.	
				<i>See Enrollment Conditions for instructions</i>									
							F		03:30P-06:30P		TA Mainstage A100		
21617		THEA-157-01		<b>Playwriting</b>	5	WASEM	MW		02:00P-03:45P		TA 2nd Stage	Bierman,J.H.	R
23856		THEA-161P-01		<b>Chicano Power Theater</b>	5	AE	STU	MW	03:30P-05:15P		TA Lecture E100	Martinez,A.R.	
23910		THEA-214-01		<b>Sound Design</b>	5		STU	M	02:00P-05:00P		TA Mainstage A214	Staff	R
21101		THEA-290-01		<b>Special Topics</b>	5		SEM	TTh	04:00P-05:45P		TA Offices J101	Franko,M.	R

## Writing

*Sections of Writing 1 and Writing 2 are taught concurrently in the same rooms. Students entering UCSC prior to fall 2005 should enroll in Writing 1. Students entering UCSC fall 2005 or after should enroll in Writing 2.*

21251		WRIT-1-01		<b>Compos &amp; Rhetoric</b>	5	C	SEM	MWF	08:00A-09:10A		Soc Sci 1 145	Staff	R
21252		WRIT-1-02		<b>Compos &amp; Rhetoric</b>	5	C	SEM	MWF	11:00A-12:10P		Oakes Acad 222	Staff	R
21253		WRIT-1-03		<b>Compos &amp; Rhetoric</b>	5	C	SEM	TTh	04:00P-05:45P		Soc Sci 2 167	Freeman,C.M.	R
21254		WRIT-1-04		<b>Compos &amp; Rhetoric</b>	5	C	SEM	MWF	12:30P-01:40P		Kresge Acad 194	Staff	R
21255		WRIT-1-05		<b>Compos &amp; Rhetoric</b>	5	C	SEM	MWF	02:00P-03:10P		Kresge Acad 194	Weaver,A.L.	R
21256		WRIT-1-06		<b>Compos &amp; Rhetoric</b>	5	C	SEM	MWF	03:30P-04:40P		Soc Sci 1 145	Staff	R
21257		WRIT-1-07		<b>Compos &amp; Rhetoric</b>	5	C	SEM	MW	05:00P-06:45P		Soc Sci 2 165	Staff	R
21258		WRIT-1-08		<b>Compos &amp; Rhetoric</b>	5	C	SEM	TTh	10:00A-11:45A		Soc Sci 1 145	Staff	R

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
21259		WRIT-1-09		Compos & Rhetoric	5	C	SEM	TTh	08:00A-09:45A		Soc Sci I 145	Staff	R
23750		WRIT-1-10		Compos & Rhetoric	5	C	SEM	TTh	06:00P-07:45P		Soc Sci I 145	Staff	R
21260		WRIT-1-11		Compos & Rhetoric	5	C	SEM	TTh	02:00P-03:45P		Soc Sci I 145	Staff	R
22576		WRIT-1-12		Compos & Rhetoric	5	C	SEM	TTh	12:00P-01:45P		Soc Sci I 145	Staff	R
23738		WRIT-2-01		Rhetoric & Inquiry	5	C2	SEM	MWF	08:00A-09:10A		Soc Sci I 145	Staff	R
23739		WRIT-2-02		Rhetoric & Inquiry	5	C2	SEM	MWF	11:00A-12:10P		Oakes Acad 222	Staff	R
23740		WRIT-2-03		Rhetoric & Inquiry	5	C2	SEM	TTh	04:00P-05:45P		Soc Sci 2 167	Freeman,C.M.	R
23741		WRIT-2-04		Rhetoric & Inquiry	5	C2	SEM	MWF	12:30P-01:40P		Kresge Acad 194	Staff	R
23742		WRIT-2-05		Rhetoric & Inquiry	5	C2	SEM	MWF	02:00P-03:10P		Kresge Acad 194	Weaver,A.L.	R
23743		WRIT-2-06		Rhetoric & Inquiry	5	C2	SEM	MWF	03:30P-04:40P		Soc Sci I 145	Staff	R
23744		WRIT-2-07		Rhetoric & Inquiry	5	C2	SEM	MW	05:00P-06:45P		Soc Sci 2 165	Staff	R
23745		WRIT-2-08		Rhetoric & Inquiry	5	C2	SEM	TTh	10:00A-11:45A		Soc Sci I 145	Staff	R
23746		WRIT-2-09		Rhetoric & Inquiry	5	C2	SEM	TTh	08:00A-09:45A		Soc Sci I 145	Staff	R
23747		WRIT-2-10		Rhetoric & Inquiry	5	C2	SEM	TTh	06:00P-07:45P		Soc Sci I 145	Staff	R
23748		WRIT-2-11		Rhetoric & Inquiry	5	C2	SEM	TTh	02:00P-03:45P		Soc Sci I 145	Staff	R
23749		WRIT-2-12		Rhetoric & Inquiry	5	C2	SEM	TTh	12:00P-01:45P		Soc Sci I 145	Staff	R
21289		WRIT-22A-01		Grammar & Editing	3		SEM	MW	03:30P-04:40P		Soc Sci 2 141	Krusoe,N.	
21290		WRIT-22A-02		Grammar & Editing	3		SEM	MW	05:00P-06:10P		Soc Sci 2 141	Krusoe,N.	
21493		WRIT-22A-03		Grammar & Editing	3		SEM	MW	12:30P-01:40P		Soc Sci 2 141	Scripture,D.D.	
23959		WRIT-23-01		Grammar and Rhetoric	5		SEM	TTh	02:00P-03:45P		Soc Sci I 149	Freeman,M.C.	R
23960		WRIT-23-02		Grammar and Rhetoric	5		SEM	MWF	03:30P-04:40P		Soc Sci 2 159	Scripture,D.D.	R
		WRIT-93-XXX		Field Study <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		WRIT-93F-XXX		Field Study <i>See sponsoring agency for class number</i>	2		FLI		**To Be Arranged**			Staff	
		WRIT-99-XXX		Tutorial <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		WRIT-99F-XXX		Tutorial <i>See sponsoring agency for class number</i>	2		IND		**To Be Arranged**			Staff	
21310	Y	WRIT-169-01		Tutoring Writing <i>See Enrollment Conditions for instructions</i>	5		SEM	TTh	04:00P-05:45P		N. Sci Annex 103	Baker,M.	
21311	Y	WRIT-169-02		Tutoring Writing <i>See Enrollment Conditions for instructions</i>	5		SEM	TTh	02:00P-03:45P		N. Sci Annex 103	King,R.Y.	
		WRIT-189-XXX		Teaching Writing <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		WRIT-191A-XXX		Intern In Writing <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		WRIT-191B-XXX		Intern In Editing <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		WRIT-191C-XXX		Intern In Publish <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		WRIT-191D-XXX		Intern In Broadcast <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		WRIT-192-XXX		Dir Stu Teach <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		WRIT-193-XXX		Field Study <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	
		WRIT-193F-XXX		Field Study <i>See sponsoring agency for class number</i>	2		FLI		**To Be Arranged**			Staff	
		WRIT-194-XXX		Group Tutorial <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		WRIT-195-XXX		Senior Thesis <i>See sponsoring agency for class number</i>	5		IND		**To Be Arranged**			Staff	
		WRIT-198-XXX		Indep Field Study <i>See sponsoring agency for class number</i>	5		FLI		**To Be Arranged**			Staff	

Class #	Consent Required	Class ID	Section #	Class Title	Credits	Gen Eds	Components	Class Days	Start Time	End Time	Building and Room	Instructor	Requirements
WRIT-198F-XXX				<b>Indepen Field Study</b> See sponsoring agency for class number	2	FLI			**To Be Arranged**			Staff	
WRIT-199-XXX				<b>Tutorial</b> See sponsoring agency for class number	5	IND			**To Be Arranged**			Staff	
WRIT-199F-XXX				<b>Tutorial</b> See sponsoring agency for class number	2	IND			**To Be Arranged**			Staff	

## SCHEDULE PLANNER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
8:00							
8:30							
9:00	class # _____		class # _____		class # _____		
9:30		class # _____		class # _____			
10:00							
10:30	class # _____		class # _____		class # _____		
11:00							
11:30		class # _____		class # _____			
12:00	class # _____		class # _____		class # _____		
12:30							
1:00							
1:30	class # _____						
2:00							
2:30							
3:00	class # _____		class # _____		class # _____		
3:30		class # _____		class # _____			
4:00							
4:30	class # _____		class # _____		class # _____		
5:00							
5:30		class # _____		class # _____			
6:00							
6:30	class # _____		class # _____		class # _____		
7:00							
7:30		class # _____		class # _____			
8:00	class # _____		class # _____		class # _____		
8:30							
9:00							
9:30							
10:00							
10:30	class # _____						

MWF 8:00–9:10 A.M.      MWF 2:00–3:10 P.M.      TTH 8:00–9:45 A.M.      TTH 4:00–5:45 P.M.  
 MWF 9:30–10:40 A.M.      MWF 3:30–4:40 P.M.      TTH 10:00–11:45 A.M.      TTH 6:00–7:45 P.M.  
 MWF 11:00 A.M.–12:10 P.M.      MW 5:00–6:45 P.M.      TTH 12:00–1:45 P.M.      TTH 8:00–9:45 P.M.  
 MWF 12:30–1:40 P.M.      MW 7:00–8:45 P.M.      TTH 2:00–3:45 P.M.

(MWF—20-minute breaks between classes)

(TTH—15-minute breaks between classes)

Saturday meeting times vary.



## Creating College Bound Communities

*Join the Educational Partnership Center in its effort to increase the number of educationally disadvantaged and/or low-income students who become eligible for the University of California.*

### BECOME AN **ACADEMIC COACH**

- Assist in providing academic advisement to elementary, middle or high school students in Watsonville, Seaside, North Monterey County, and San Jose.
- Develop and implement enrichment workshops i.e. study skills, writing, computers.
  - Provide in class tutoring.
- Assist with coordination of EPC events, fieldtrips, and workshops.
- Assist in monitoring grades, data entry, and academic progress of student participants.

*We are looking for strong and dedicated leaders to join us implementing services to students and families that support success on a college path*



"Without my outreach counselor's help, I would not have applied for scholarships and financial aid. Now I've done both, and hope to realize my goal of going to college and becoming a business executive."

*Dafne Gonzales, high school senior*

**Starting pay rate:** \$11.65/hr  
**Hours/Week:** up to 16  
**Schedule:** Variable, w/in M-F 7:30am-4:00pm  
**Apply online:** [www.careercenter.ucsc.edu](http://www.careercenter.ucsc.edu)

**ER# 2808, 2809 and  
2814**

*(work-study applicants only and job site is located in San Jose for ER#2814)*

**Contact Information:**

**Kim Sides** [ksides@ucsc.edu](mailto:ksides@ucsc.edu)  
**Tutor Coordinator** 831-460-3025  
**EPC Website:** <http://epc.ucsc.edu>

**Brianna Chavez** [bchavz@ucsc.edu](mailto:bchavz@ucsc.edu)  
**Tutor Coordinator** 831-460-3034

# BIAS-MOTIVATED INCIDENT REPORTING FORM

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If you believe you have witnessed, or that you have been a target of, a bias-motivated incident on campus or while participating in a university-sponsored activity, you may bring the incident to the attention of the Hate-Bias Incident Advisory Board by contacting the Director for Student Judicial Affairs (refer to contact information below).

The Director for Student Judicial Affairs is available to assist you with any questions you may have about your options, advice, and/or referrals. You are not obligated to use your name. However, should you want Student Judicial Affairs to investigate, your name will be needed.

The Hate/Bias Peer Response Team is also available to provide support to members of the UCSC community. The Peer Response Team serves as an ally to, and advocate for, those who have been targeted or who have witnessed a hate- or bias-motivated incident.

A copy of the campus Hate/Bias Incident Policy can be found in the *UCSC Student Policies and Regulations Handbook, Appendix M* or on the web at [www2.ucsc.edu/judicial/](http://www2.ucsc.edu/judicial/).

**INCIDENT:** Please describe the incident as specifically as possible. Include all dates, times, and locations. If you do not know the identity of the person(s) who initiated the incident, provide as accurate a physical description as possible. Also list names of any possible witnesses. (Use additional pages if necessary)

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**(Required) Please indicate the category of bias which *best* fits the incident you are reporting:**

- Age     Creed     Ethnicity     Race     Gender     Gender Identity     Physical Ability  
 Religion     Sexual Orientation     Socioeconomic Status  
 Other (please specify):

**Action you are requesting:**

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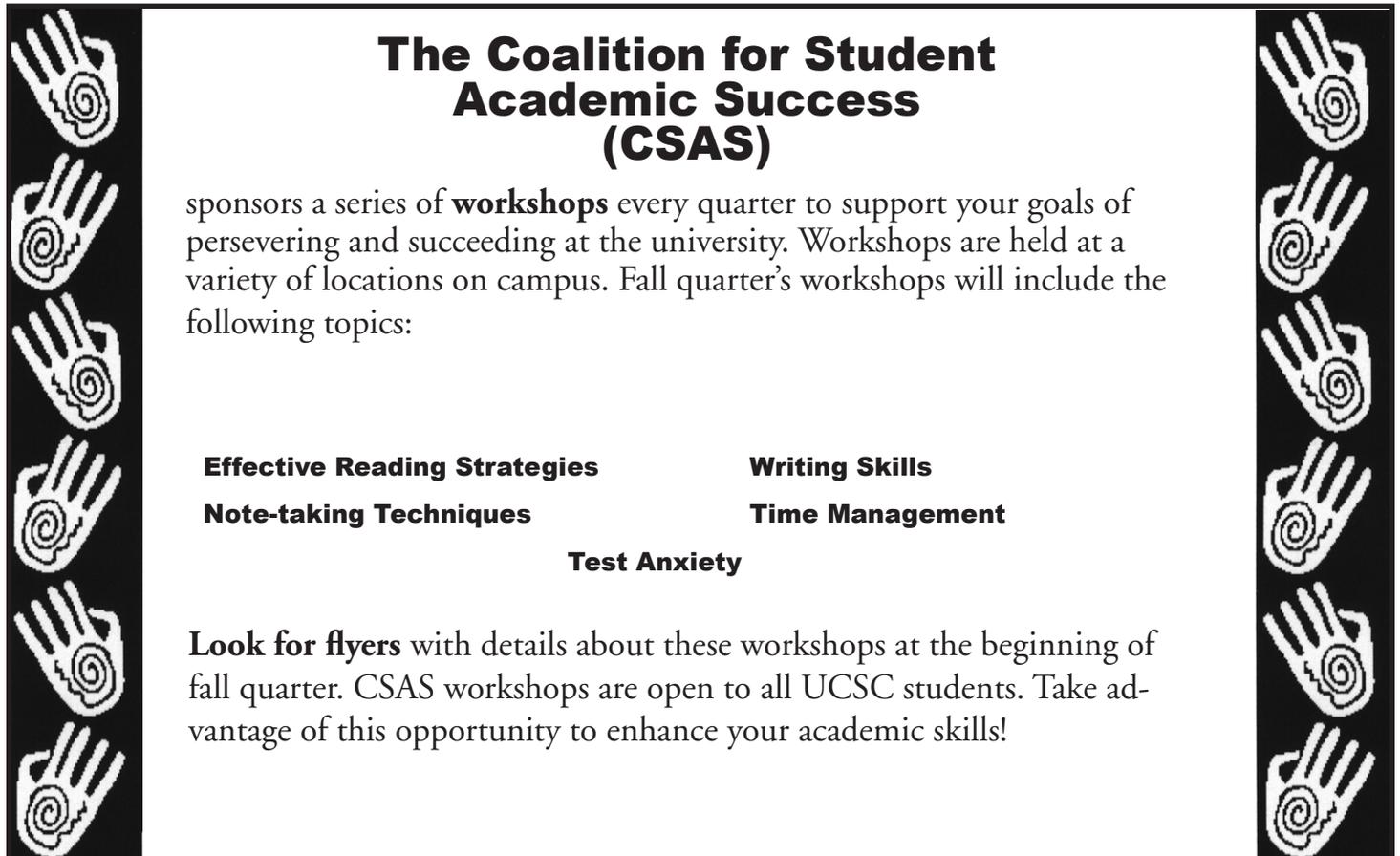
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### The Coalition for Student Academic Success (CSAS)

sponsors a series of **workshops** every quarter to support your goals of persevering and succeeding at the university. Workshops are held at a variety of locations on campus. Fall quarter's workshops will include the following topics:

<b>Effective Reading Strategies</b>	<b>Writing Skills</b>
<b>Note-taking Techniques</b>	<b>Time Management</b>
<b>Test Anxiety</b>	

**Look for flyers** with details about these workshops at the beginning of fall quarter. CSAS workshops are open to all UCSC students. Take advantage of this opportunity to enhance your academic skills!

## USEFUL PHONE NUMBERS

When dialing from non-university telephones, add the 459- prefix to these extension numbers. When dialing from university telephones, precede these extension numbers with 9.

Admissions	Health Center .....	2211
General information.....	Insurance .....	2389
Evaluation and processing .....	Housing	
Transfer credit .....	Campus Housing Office.....	2394
Restrictive Programs: Second Bachelor's Degree,	Family Student Housing.....	2549
Limited Status, High School Honors.....	Student Community Rental Program .....	4435
Articulation.....	ID Card Information .....	2990
Arts & Lectures	Information (offices not listed) .....	0111
Box Office.....	International Programs .....	2858
Campus Calendar Information.....	KZSC Radio	
Bay Tree Bookstore .....	Office .....	2811
Box Office .....	Request Line .....	4036
Career Center .....	Libraries	
Cashier's Office .....	McHenry Library Reference Desk .....	2711
Chancellor's Office .....	Science Library Information.....	2050
Child Care Services	Loan Collections .....	2940
Colleges and University Housing Services .....	Lost and Found .....	2231
Granary Child Development Center .....	Ombudsman .....	2073
<i>City on a Hill</i> Press .....	Parking Office .....	4543
Colleges	Physical Education, Recreation, and Sports .....	2531
College Eight .....	Police .....	2231
College Nine .....	Post Office .....	2765
College Ten .....	Printing Services.....	2925
Cowell College.....	Rape Prevention Education .....	2721
Crown College.....	Registrar's Office (general information) .....	4412
Kresge College.....	Enrollment Help Line .....	3939
Merrill College .....	Legal Residence.....	2754
Oakes College .....	Registration.....	4412
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Stevenson College .....	Student Records and Transcripts .....	4412
Computer Center	Services for Transfer and Re-entry Students (STARS) .....	2552
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Information Resource Center.....	Student Affairs Office .....	4446
Instructional Computing Labs .....	Student Business Services .....	2107
Express access dial-in lines (15-minute limit).....	Student Organization Advising and Resources (SOAR)	
General access dial-in lines .....	Office .....	2934
Faculty dial-in lines .....	Student Union .....	3167
Staff dial-in lines .....	Summer Session Office .....	2524
Copy Center .....	Veterans' Services .....	1358
Counseling and Psychological Services .....	Women's Center .....	2072
Directory Assistance (staff, faculty, office numbers) .....		
Disability Resource Center		
General information.....		
TTY only, for hearing- and speech-impaired .....		
Educational Opportunity Programs .....		
Emergencies .....		
Enrollment Helpline .....		
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\*If using an on-campus phone, precede with a 6.

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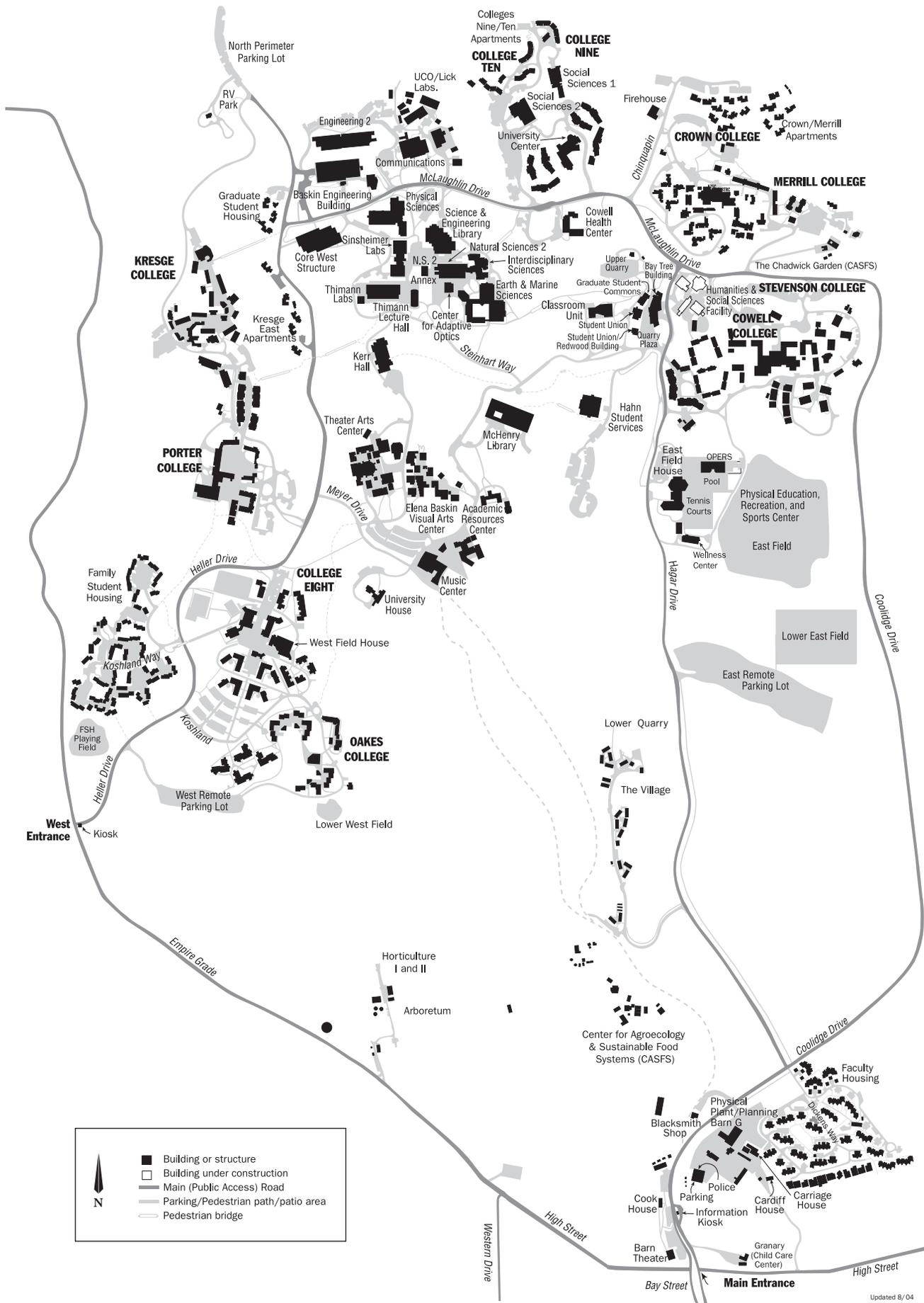
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	Building under construction
	Main (Public Access) Road
	Parking/Pedestrian path/patio area
	Pedestrian bridge