SCIENTIFIC INQUIRY (SI)

One 5-credit course or equivalent

# GE Description

Courses that carry the SI GE designation teach students about the essential role of observation, hypothesis, experimentation and measurement in the physical, social, life, or technological sciences. Students should acquire key concepts, facts, and theories relevant to the scientific method. By the end of the course they should be able to articulate an understanding of the value of scientific thinking in relation to issues of societal importance.

Such courses would allow students to acquire key concepts, facts, and theories relevant to the:

1. physical scientific method
2. social science aspect
3. life sciences
4. technological method.

# Educational goals/outcomes

Students will:

* Learn about the essential role of observation, hypothesis, experimentation and measurement in the sciences.
* Acquire key concepts, facts, and theories relevant to physical, social, life, or technological sciences.
* Learn to address the relevance of scientific hypotheses or methodology to life outside the classroom setting in relation to issues of societal importance.

# QUESTIONS

1. Which of the above approaches to addressing the SI GE does this course offer? Enter all that apply as “A”, “B”, “C”, or “D” (see the GE Descriptions above).
2. Please identify the assignments that will allow students to acquire key concepts, facts, and theories relevant to the specific scientific method. Please do not refer reviewers to the syllabus.
3. Please describe how the student’s satisfaction of the educational objective for this GE requirement will be assessed.