

“**Experimental and Quantitative Methods**” (EXQM) courses teach students to appreciate scientific thinking in the social and natural sciences and to employ quantitative and scientific reasoning. Students learn to connect theory and experiment and to test hypotheses via experimental design.

**EXQM courses will enable students to:**

- Understand and employ scientific and quantitative reasoning
- Conduct scientific experiments
- Understand and interpret quantitative data

*The text above should be included on your syllabus.*

**SYLLABUS GUIDELINES:**

**EXQM courses should:**

- include both a lecture and lab component
- address topics in the natural and social sciences
- be designed for non-science, non-prehealth majors
- engage with accessible topics in scientific fields relevant to students’ lives

**When preparing your syllabus, please keep in mind the following:**

- No more than 60% of the final grade should be determined by exams.
- Attendance in Core courses is mandatory. We encourage instructors to count class participation in some way towards the final grade.

**Proposed syllabi should include:**

- all formal assignments and tests, and how much each will count towards a final grade
- approximate page numbers for assigned reading

*Please keep in mind that Core courses should privilege in-depth study over coverage of multiple topics or areas. It is more important for students to learn scientific thinking skills and tools for analysis than to have mastered a topic in its entirety. We encourage instructors to carefully consider the pacing of their classes with this in mind, with attention to what non-science students can reasonably be expected to accomplish.*

\*\*The expectation is that students will receive instructor feedback in the form of multiple graded assignments paced throughout the semester. By mid-semester, students should have had graded feedback on at least one of these assignments.

NOTE: Determination of “Honors” designation for Core courses occurs after a course has been approved in a given category. Designated Honors sections will then be asked to include: more challenging writing assignments, with increased length; additional critical readings; opportunities for revision of written work; increased emphasis on class participation; whenever possible, opportunities to continue the learning outside of the classroom.