Science is not practiced in a vacuum and science changes the way we live. Consequently, the potential for conflict between science issues and moral issues is inescapable. Identifying and dealing with such potential conflicts is not a straightforward matter. This course will try to give you the necessary tools to do so.

The course will be roughly divided into three parts. First, you will be exposed to the nature of philosophical inquiry and to the tools of the trade: the logic of argumentation. Second, you will be introduced to some central issues in moral theory. Third and last, we will apply what we’ve learned to a selection of current dilemmas that lay at the interface between science and ethics.

Following, is a tentative list of the topics to be covered. The allotment of week numbers to each topic is a very rough approximation. The time we will spend on each topic will depend greatly on the class’ comprehension and mastering of the material to be covered in each topic.
week I. The Logic of Argumentation
The Nature of Science
week II. Ethical Theory I
week III. Ethical Theory II
week IV. Ethical Theory III
University Policy
week V. Animal Subjects
IACUC
week VI. Human Subjects
IRB
week VII. Scientific Misconduct
week VIII. Record-keeping
week IX. Ownership of Data/ Intellectual Property
week X. Mentoring
week XI. Conflict of Interest
week XII. Special Topics

REQUIREMENTS

Readings for each class will be assigned in advance. You will be expected to critically study this material before class (i.e. read it seriously enough to be able to participate in class discussions by answering and having questions regarding this material). My lectures will not repeat the reading material but critically analyze and supplement it. Attendance to class is mandatory and class participation is highly recommended. Attendance is mandatory and will be taken regularly. Only 6 unjustified absences will be permitted. More than 6 unjustified absences will result in the loss of 10% of your final grade.

TEXT

Collection of readings prepared by the instructor.

EVALUATION¹

Attendance & Class Participation (10%). Attendance will be taken regularly. Only 6 unjustified absences will be permitted -- more will result in 0 attendance/class participation points.

Four Exams (15% each) These exams will consist of short essay questions that will require the application of the material studied in class. These exams will be

¹ Drop and Withdrawal Dates. Friday, Sept: 14, last day for a 100% refund; Friday, Sept. 21: last day for a 50% refund of tuition (no fees); Friday November 2: last day to withdraw with a grade of "W".
about four weeks apart and refer to the material discussed in their particular four-week period.

**Term Research Paper (30%).** You will be responsible for a 10-page term paper due by the end of the semester. This research project will consist of a critical review of a specific controversy in research ethics. Topics for this paper must be approved by the instructor. You will be required to provide at least one draft, at least one month prior to the due date.