Ethics in Science and Engineering

The goal of this semester course is to present the issues of professional conduct in the practice of engineering, research, medicine. The material is presented through historical didactic case studies and presentation of methods for problem solving in ethical matters, culminating in new emerging technologies and classroom debates on contemporary bioethical issues.

Instructor: Prof. Teresa Head-Gordon

Department of Chemistry, Bioengineering, and Chemical and Biomolecular Engineering

274 Stanley Hall, thg@berkeley.edu

Office Hours: Tuesday, 5:00-6:00pm

Graduate Student Instructors: Alex Chien, alex.chien@berkeley.edu

Sarah Kohansal, rkohan11@gmail.com

Location and Time: Lecture: 3 LeConte, TuTh 12:30-2:00pm

Discussion 1: 3108 Etcheverry, Wed 3:00-4:00pm

Discussion 2: 9 Lewis, Fri 3:00-4:00pm

Offered: Fall semester

Units: 3

Workload: 3 hours of lecture per week plus one hour of TA-led discussion. Instructor will hold office hours for two hours per week. There will be two mid-terms, bimonthly homework and debates, and mandatory final exam.

Assessment:

Mid-term exam 1:	20%
Mid-term exam 2:	20%
Final exam (take home):	10%
Quizzes	5%
Homework:	25%
Debates:	20%

Text: *Ethics of Emerging Technologies*, T. F. Budinger and M. D. Budinger (Wiley & Sons, 2006).

Other Resources: Web-based notes and electronic hand-outs

Reading assignments: posted on face-page of lecture