Engineering 375
The Teaching of Engineering

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6173 Etcheverry Hall
Office hours:  Weds.  2:00 – 4:00 pm
            Fri.  11:00 am – 12:00 pm
            and by appointment

Introduction to the theory and practice of teaching and learning in higher education in general and mechanical engineering in particular. The course will enable GSIs to select teaching methods that are appropriate to specific engineering courses and contexts.

No text required for purchase. Readings will be available via bSpace or as class handouts.

We will also be using the GSI Teaching Guide available online from the GSI Teaching & Resource Center’s website: http://gsi.berkeley.edu/teachingguide/tghome.html

COURSE OBJECTIVES

This course provides an introduction to general educational theory and teaching. Assignments include readings and discussion of various pedagogical theories, case study presentations, and teaching demonstrations. Most assignments will be done in teams rather than individually.

DESIRED COURSE OUTCOME

After completion of the course, GSIs will be able to perform the following course-related tasks:

- Design activities and discussions to promote learning and provide practice in course concepts and objectives.
- Integrate various methods of conveying information in engineering concepts and practices.
- Practice fair and helpful evaluation of student work.
- Recognize and attend to student and classroom conflicts.
- Understand the University policies and procedures on academic integrity and ethics.

Policies

Attendance is a key component to this course. As the heart of the course is the discussion of issues related to teaching, your presence is crucial not only to grasping the course’s core concepts, but also to the success of the entire course. Excessive absences will translate to a non-passing grade.

Participation is measured by your active engagement not only during class time, but outside class, by completing assignments.
Original work is expected. Syllabi, assignments, and problem sets written by others are subject to copyright laws. Write your own work, and cite others’ work appropriately.

Note: this course can only be taken S/U

IMPORTANT NOTE: Each new GSI is required to complete the Online Course in GSI Professional Standards and Ethics. See http://gsi.berkeley.edu for more information.