

Earth and Space Sciences 590
Instructional Development in Geological Sciences
Autumn 2005

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Office Hours: W 1:30-2:20 pm; F 9:30-10:20 am

Objective: The objective of this seminar is to help graduate students within the Department of Earth and Space Sciences develop teaching skills so that they are properly prepared to meet the teaching responsibilities of this department and post-graduate endeavors. The formal training within the structure of this course will be supplemented by faculty and senior graduate student mentorship. Learning to teach effectively is a lifelong process and will not be learned in any single seminar or work shop.

Seminar Course Outline

The subject matter discussed in this seminar will be partly determined by you as new or experienced teaching assistants. In order to assess how this seminar can best serve your instructional needs, I have attached a T.A. questionnaire that I would like you to complete and bring with on Friday morning at our first formal meeting. On the following Friday, we will review your responses and finalize subject matter of this instructional seminar.

October 7th	Introduction. T.A. questionnaire; Who are your students?
October 14th	Preparing a class; Preparing to teach; Teaching Portfolios
October 21nd	Pedagogical Approaches; How to be an effective teacher
October 28th	Conducting Effective Discussion Groups
November 4th	How teach effectively using small groups
November 11th	Motivating Students
November 18th	How to write exams and grade effectively
November 25th	Thanksgiving Holiday
December 2nd	Microteaching (tentative) (video taping at the CIDR)
December 9th	Self-Assessment and review of quarter