

**Department of Engineering & Technology Education
College of Engineering
Utah State University**

Course Title: Methods of Teaching Engineering and Technology Education II/
Clinical Experience II
Course Number: ETE 4400/ETE 4300
Semester Credits: 3/1
Prerequisite: ETE 3200 & ETE 3300
Instructor: Dr. Gary Stewardson
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Date: Spring 2009
Course Time: ETE 4400, MWF 8:30 – 9:20 am/ETE 4300, Arranged
Building/Room: Industrial Science (IS), Room 116

Course Description

ETE 4400—Techniques of teaching as applied to individual and group instruction. Students apply various methods in presenting lessons.

ETE 4300—Field-based experience, in which students complete 30 hours of teaching-related experiences in the classroom. (Graded Pass/Fail only)

Course Goals/Objectives

1. Investigate and implement various instructional strategies appropriate and commonly used in engineering and technology education.
2. Write lessons plans that are congruent between the objectives, learning activities, and evaluation strategies.
3. Develop and teach lessons in the cognitive, psychomotor, affective domains of learning.
4. Apply formative and summative evaluation in the classroom setting.
5. Investigate various discipline techniques common in the engineering and technology education learning environment.
6. Investigate ethical issues as they relate to public education and managing an engineering and technology laboratory.
7. Design and develop a display case for recruiting students to the ETE program.

Course Requirements

- Complete reading and homework assignments.
- Participate in classroom discussions and critiques.
- Take exams and quizzes.
- Prepare and teach mini lessons.
- Complete field-based teaching experiences.

Evaluation

The final course grade will be based on the following areas and are tentatively weighted as indicated:

Exams and quizzes	50%
Homework and teaching of mini lessons	50%

The total points earned by each student will be calculated and a letter grade will be assigned based on a straight percentage (e.g., 90, 80, 70, ...) or a class curve, which ever system benefits the student.

Texts

There is no specific text for this course, however, there will be assigned readings and research activities.

Lab Fee

ETE 4300 has a \$50 lab fee which will be paid to the mentor teacher whom assumes major responsibility for supervision of the USU student placed in his/her classroom. The lab fee was collected when registering for the course.

Accommodation for Persons With Disabilities

In cooperation with the Disability Resource Center, reasonable accommodations will be provided for students with disabilities. Please meet with the instructor during the first week of class to make arrangements. Alternative format print materials, large print, audio, diskette or Braille, will be available through the Disability Resource Center.