Department: Civil Engineering  
Number: CE 4195  
Title: Senior Professional Orientation

(2) Required or Elective Course  
Required

(3) Catalog Description:  
Introduction to the engineering profession with emphasis on job placement, professional ethics, and an engineering field examination.

(4) Prerequisites:  
Senior Standing

(5) Textbook:  
EIT Review Manual, by Michael Lindberg  
Professional Publications

(6) Course Objectives:  
− At the end of the course, the student will be able to pass the FE exam.  
− Specifically student will develop the skills of applying mathematics, science, and engineering principles to solve structural engineering problems (A)

(7) Topics covered:  
− Statics (Chapters 10-13)  
− Mechanics of Materials (Chapters 18-21)  
− Dynamics (Chapters 14-17)  
− Fluid Mechanics (Chapters 22-25)  
− Thermodynamics (Chapters 26-30)  
− Chemistry (Chapters 33-35)  
− Engineering Economy (Chapters 47-49)  
− Mathematics (Chapters 4-9)

(8) Class/Laboratory Schedule:  
Class: F: 1:30-2:20

(9) Contribution of course to meeting the professional component:  
Engineering sciences.

(10) Prepared by:  
Dr. Anthony J. Tarquin, Civil Engineering  
Date: April 2007