

CE 100 – INTRODUCTION TO CIVIL AND ENVIRONMENTAL ENGINEERING

Type (check one): Required: X Elective: _____

2005 - 2006

Catalog Data: CE 100. Introduction to Civil and Environmental Engineering. New students are introduced to different areas of civil and environmental engineering, professional registration, ethics, and professional responsibilities. The course is team-taught by the faculty and practitioners. Offered in the Fall semester. *One semester; zero credits.*

Prerequisite: None

Co-Requisite: None

Textbook: None

Other Required Materials: None

Other References: Landis, Raymond B., (2000). *Studying Engineering: A Road Map to a Rewarding Career*, 2nd Edition, Discovery Press: Los Angeles, CA., ISBN: 0-9646969-5-9

Instructor: Mr. Gene McGinnis, Assistant Professor of Civil and Environmental Engineering

Course Objectives:

- 1 To introduce different areas of civil and environmental engineering to new students who are interested in civil and environmental engineering by inviting faculty and practitioners to speak to the students on various topics and by taking students on field trips.
- 2 To help students identify which area of civil and environmental engineering they would like to choose as their profession.

Topics Covered:

1. Introduction to Civil and Environmental Engineering Faculty. Each faculty member provides a brief coverage of the major areas of Civil and Environmental Engineering including structural engineering, transportation engineering, environmental engineering, water resources engineering, construction engineering, geotechnical engineering and geoenvironmental engineering.
2. The student chapter of the American Society of Civil Engineers makes a presentation to the students regarding their activities.
3. Discussion of study techniques to help the students navigate through college coursework.
4. A speaker from the career center makes a presentation to the students on how to prepare a resume and to introduce the students to what the career center has to offer.
5. The students are required to listen to the presentations of the students in CE 431/432 Senior Design Project and submit a one- to two-page typed summary of each presentation.
6. Students are introduced to the National Society of Professional Engineers Code of Ethics for Engineers and are required to view a video dramatization on engineering ethics. The students are required to submit a one- to two-page typed summary of the video.
7. Students are required to submit a one- to two-page typed summary of the presentations made by practitioners.
8. Students are expected to attend field trips.
9. The students are required to submit a three- to five-page typed essay on why/how they chose civil and environmental engineering to be their major.

Class schedule: One fifty-minute session per week.

Prepared by: Mr. Gene McGinnis, P.E. **Date:** October 2005

**PROFESSIONAL COMPONENT:
CE 100 – INTRODUCTION TO CIVIL AND ENVIRONMENTAL ENGINEERING**

Category (check one)	<input type="checkbox"/> Math/Basic Science <input type="checkbox"/> Engineering <input type="checkbox"/> General Education <input checked="" type="checkbox"/> Other
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Design
(check one)