

**UNIVERSITY OF CENTRAL FLORIDA
COLLEGE OF ENGINEERING AND COMPUTER SCIENCE**

EGN1007C: Engineering Concepts and Methods

SPRING 2010 COURSE OUTLINE

Title and Course

Number: Engineering Concepts and Methods – EGN1007C 1(1,2)

Course

Description: Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams: engineering communication; engineering professionalism and ethics.
1 units min / 1 units max, Lecture

Prerequisites and

Co-Requisites: New student status or C.I., EGN 1006C and ENC 1101; CR: SPC 1016.

Textbook:

Custom EGN1006/EGN1007 Book Package: AutoCAD, Solidworks, MS Excel, MathCAD, and Matlab (required). Available at the UCF bookstore.

i>Clicker Electronic Transmitter (required). Available at the UCF bookstore.

Instructors:

Dr. Eduardo Divo – Course Instructor
Craig Rogers – Graduate Teaching Assistant
Fraya Cassier – Graduate Teaching Assistant
Lab Sessions – conducted by Undergraduate Teaching Assistants
Email through Webcourses@UCF Course Site.

Class Meetings:

Lectures: Once a week on Fridays in CSB101 (see schedule for time)
Labs: Once a week in ENGR1 (please see schedule for room and time)

Office Hours:

ENG1-207C
M,W: 2:00 p.m. – 4:00 p.m. (No appointment necessary)

Computer Usage: MS Excel, MathCAD, and Matlab instruction and exercises will be conducted during lab sessions. Students will be expected to use WebCourses@UCF to access all course information and communications.

Grading System: Student's course performance will be evaluated using the following components:

- Lecture Attendance & Quizzes = 30%.
- Laboratories (Attendance, Participation, & Quizzes) = 45%.
- Great Navel Orange Race Project (Competition and Report) = 25%.

Grade Distribution: A=90-100%; B=80-89%; C=70-79%; D=60-69%; F=0-59%.

Makeup exam policy: There will be **NO** makeup quizzes, however, your lowest lab and lecture grades may be eliminated at the instructor's discretion.

UCF policies: Any academic dishonesty (cheating, copying, plagiarism, etc.) with respect to any homework, project, or exam for this class will result in a grade of F, following the usual procedures for dealing with such behavior as described in the *UCF Golden Rule: a handbook for students*.

Note: Any student caught possessing more than one i>clicker transmitter will receive an "F" for the course. The act of having more than one i>clicker transmitter in your possession, at ANY time, will be considered cheating. The instructor reserves the right to pursue action pursuant to the Golden Rule upon any instance of cheating, even the first one. The owner(s) of ALL transmitters in question will receive an "F" for the course.

Student disability statement: If you have disabilities or special needs, please contact the instructor.