Course Syllabus

Course Information: Fall 2012
ECS 1200.110 – Introduction to Engineering and Computer Science

Instructors:

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Office Hours: 8:45-9:45 MW +
by appointment

Course Pre-requisites, Co-requisites, and/or Other Restrictions
For ECS freshmen.

Course Description

ECS 1200 Introduction to Engineering and Computer Science (2 semester hours) Introduction to the Engineering and Computing professions and professional ethics. Overview of ECS curricula, as well as connections among ECS fields and to the basics of sciences and other fields. Basic study, problem solving and other skills needed to succeed as an ECS major. Engineering design and quantitative methods. Multi-disciplinary team projects designed to replicate decision processes in real-world situations. (1-2) Y

Course Objectives

Upon completion of this course, students will have:

- **(a) An understanding of the engineering and computing professions and the degree programs leading to them.**
- **(b) An appreciation of professional ethics**
- **(c) An appreciation and practice of basic skills essential to success in ECS majors including problem solving skills, communications skills, and team work.**
- **(d) An understanding of basic approaches to design and exposure to quantitative methods.**

Required Textbooks and Materials: None

Suggested Course Materials: Notes, other material/resources will be posted on eLearning

Lab Section Assignments & Academic Calendar (tentative)

Material to be covered:

The lab sections will focus on ECS curricula, as well as connections among ECS fields and to the basics of sciences and other fields. Basic study, problem solving and other skills needed to succeed as an ECS major.

Meeting #1: Introductions, the Name Game, ECS/UTD info; ECS 1200 Basics

Meeting #2: Team Activities;
Assignment #1: Elevator Speech (due Week 3)

Meeting #3: Student Presentations (Elevator Speech);
Assignment#2: Academic Autobiography (2 pages, due Week 4)

Meeting #4: Advising – degree plan, GPA, academic calendar, advising syllabus;
Assignment #3: Meet your Advisor by November 5th – provide copy of degree plan

Meeting #5: University Survival;
Assignment #4: Learning type evaluation on eLearning

Meeting #6: Study Skills and Learning Type;
Assignment #5: Syllabi Calendar

Meeting #7: Time Management

Meeting #8: Presentation and Written Communication;
Assignment #6: Send instructor professional email outlining progress in school

Meeting #9: Diversity/ Safety

Meeting #10: Team Group Work;
Assignment #7: Send instructor email on future plans

Meeting #11: Attend with Project team – work on Project

Meeting #12: Attend with Project team – work on Project

Meeting #13: Attend with Project team – work on Project

Meeting #14: Student Presentations

Important Dates:

Last Day to Drop without W:	September 12, 2012
Last Day to Drop with a W:	October 8, 2012
Last Day to Drop with WL:	October 30, 2012

Fall Break:	November 19-23, 2012
Last Day of Class:	December 12, 2012

Grading Policy

Attendance (4 unexcused absences)	20% (see note below)
Material from Lab sections	30%
Material from Lecture Sections	50%

NOTE: You are expected to attend every meeting of the lab, lecture section you are enrolled in. Excusing an absence will require proper documentation and a significant reason. Up to 4 unexcused absences will give you full credit for this portion of the grade; 5-8 unexcused absences will result in a 25% penalty on your attendance grade for each absence past the 4 allowed. More than 8 unexcused absences will result in a grade of "F" for the class – REGARDLESS of your performance in the remaining 80%.

Course & Instructor Policies: NO Laptops/iPhones/etc. in class.

Please visit http://go.utdallas.edu/syllabus-policies for other policies