

Course Syllabus

Course Information: Fall 2016

ECS 1100.009 – Introduction to Engineering and Computer Science

MoWe, 4:00-4:50 PM

Instructors:

Marie Schier, M.S.Ed.

Achiever. Activator. Harmony. Connectedness. Positivity.

ECSS 2.502

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Teaching Assistant:

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Computer Science

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Office Hours: By appointment through GenBook (<http://utd-ecs-studentservices.genbook.com>)

Course Pre-requisites, Co-requisites, and/or Other Restrictions

For ECS freshmen only

Co-requisite: UNIV 1010 and Introduction to Major course (BMEN 1100; EE 1100; MECH 1100; CS 1200)

Course Description

ECS 1100 - Introduction to Engineering and Computer Science (1 semester credit hour) Introduction to engineering and computing careers; overview of ECS curricula, connections among ECS fields and to the sciences, and other fields; basic study, problem solving and other skills needed to succeed as an ECS major. Co-requisite: [UNIV 1010](#). (1-1) Y

Course Objectives

1. Freshman will be able to relate the core curriculum learning outcomes and degree program outcomes to the goal of being an educated individual adult in a democratic society after completion of their degree.
2. Freshman will examine their own skills as an incoming university student through self-assessment: then compare their assessment to the skills necessary for success as university students including critical thinking skills, communication skills, teamwork skills, empirical and quantitative skills, and social and personal responsibility.
3. Freshman will use new skills presented in the course as a roadmap to academic success.
4. Freshman will be integrated into the university community.

Required Materials: Access to computer and the internet

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

NOTE: Assignments and calendar are tentative and subject to change.

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

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

ECS 1100: Introduction to Engineering & Computer Science (FALL 2016)

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Assignments & Grading Scale

You can earn up to 1,000 points in this class. These points can be earned through successful completion of assignments, class attendance, and meeting all out-of-classroom activity requirements.

ASSIGNMENT	POINTS VALUE
CLA+ Assessment	50
Jung Typology Assessment	45
Semester-at-a-glance	45
Out of Class Activities	120
Academic Goals	50
Elevator Speech	50
Resume	45
Group Project	200
Budget	45
Life Skills Reflection	50
Attendance	300

Attendance (300 points)

You are expected to attend every class session. Each session is only 50 minutes long (Mon/Wed and Tues/Thurs sections) or 110 minutes long (Friday sections), so being on time to class is essential. **If you are more than 10 minutes late for class, you will be counted as absent!** You will be allowed up to 4 unexcused absences. Excusing an absence will require proper documentation and a significant reason. If you have more than 4 unexcused absences, the penalty to your grade will be as follows:

- 5 unexcused absences = 25% penalty on your attendance grade
- 6 unexcused absences = 50% penalty on your attendance grade
- 7 unexcused absences = 75% penalty on your attendance grade
- 8 unexcused absences = 100% penalty on your attendance grade (loss of all 300 attendance points)
- 9 unexcused absences = FAILURE of ECS 1100

Friday Only Sections - Please note: Friday sections count as 2 class meetings. If you miss one entire Friday class, then you will receive 2 unexcused absences. Please be mindful of your absences.

Out-of-Class Activities (120 points)

Campus and community involvement is crucial to retention and overall success. All UTD freshmen are expected to participate in at least **ONE** community service experience, and attend **TWO** campus activities/events/programs outside of the classroom before the end of the semester. Students will submit a reflection for each out-of-class experience. Reflection should include a brief description of the experience and what was learned and/or gained.

- Participate in community service and turn in a 1 page reflection on your experience = 60 points
- Attend campus activity/event/program and turn in a 1 page reflection on your experience = 20 points
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WEEK	DATES	NOTES	TOPIC	ASSIGNMENT
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1	Aug. 22		Introductions, syllabus, UNIV 1010	
			Time management	
2	Aug. 29		Study Skills and Academic Resources	DUE: Semester-at-a-glance
			Professional Communication	DUE: CLA+ assessment
3	Sept. 5	Sept. 5 - Labor Day Holiday - UTD Closed	Study Skills and Academic Resources	
		Sept. 7 - Last day to drop without "W"	Student involvement	DUE: Jung Typology Assessment
4	Sept. 12		Personality Assessments	DUE: Academic Goals
			Public Speaking	
5	Sept. 19		Public Speaking: Elevator Speeches	DUE: Elevator Speech
			Public Speaking: Elevator Speeches	
6	Sept. 26		First Year Meetings (FYM)	
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7	Oct. 3	Oct. 3 - Last day to drop with automatic "W"	Career Development (Career Center)	
			Group Dynamics: In Class Activity	
8	Oct. 10	Mid Term Grades Availale 10/15	Stress Management	DUE: Resume
			Midterm Boost/Group Activity	
9	Oct. 17		Mid Term Reflection: Resource Reminder	Reflection Handout in Class
			Budget and Financial Planning	
10	Oct. 24		Campus Safety	DUE: Budget
		Oct. 27 - Last day to drop with "WL"	Group Activity	

11	Oct. 31	Oct. 31 – Web registration begins: Check Orion!	Registration	DUE: Registration Form
			Registration	
12	Nov. 7		Drugs & Alcohol	
			Mental and Sexual Health	
13	Nov. 14		Speaker: Diversity	DUE: Life Skills Reflection
			Group Presentations	DUE: Group Project
14	Nov. 21	Fall Break Nov 24 - 25: No Classes	Group Presentations	
			No Class	
14	Nov. 28		Group Presentations	
			Group Presentations	
14	Dec. 5	Last Day of Class	Group Presentations	DUE: Out-of-Class Assignments
			Group Presentations	