Introduction to Engineering and Computer Science
Course Syllabus

Course Information: Fall 2015
ECS 1100.006 – Monday/Wednesday 1:00 – 1:50 p.m.
ECS 1100.501 – Monday/Wednesday 5:00 – 5:50 p.m.
ECS 1100.502 – Tuesday/Thursday   5:00 – 5:50 p.m.
Classroom: CN 1.126

Instructor:
Mr. Arturo Elizondo Jr.
ECSS 2.502
972-883-4803
arturo.elizondo@utdallas.edu

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: Strengths Finder online assessment - $10.81 (including tax)
(http://www.strengthsquest.com/content/cms.aspx?space=SQ&ci=141212&title=Purchase)

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.
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ECS 1100: Introduction to Engineering & Computer Science (FALL 2015)
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.

Assignments (600 points, 60%):

ASSIGNMENT	POINTS VALUE
CLA Assessment	50
Semester-at-a-glance	25
Professional Email	25
168 Hours Log	25
Mid-Semester Reflection	25
Portfolio Section #1 – Self	50
Portfolio Section #2 – Academic	50
Portfolio Section #3 – Career	50
Portfolio Section #4 – Life	50
Final Portfolio	250

Attendance (300 points, 30%):

You are expected to attend every class session. Each session is only 50 minutes long, 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

Out-of-Class Activities (100 points, 10%):

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
- Attend campus activity/event/program and turn in a 1 page reflection on your experience = 20 points

M/W

WEEK	DATES	NOTES	TOPIC	ASSIGNMENT
1	Aug. 24		Introductions, syllabus, UNIV 1010	**ASSIGN:** UNIV 1010/CLA assessment **ASSIGN:** Portfolio Section #1
	Aug. 26		Time management, organization	**ASSIGN:** semester-at-a-glance
2	Aug. 31	Last day to add/swap	Study skills, academic resources	**DUE:** semester-at-a-glance
	Sept. 2		StrengthsQuest	**DUE:** Portfolio Section #1 **DUE:** CLA assessment (Sept 4)
3	Sept. 7	Labor Day Holiday	NO CLASS	
	Sept. 9	Census Day - Last day to drop without "W"	Student involvement	**ASSIGN:** out-of-class activity requirements
4	Sept. 14		Professional communication	**ASSIGN:** professional email
	Sept. 16		Public speaking	**DUE:** professional email **ASSIGN:** Portfolio Section #2
5	Sept. 21		First year meeting	
	Sept. 23		First year meeting	**DUE:** Portfolio Section #2
6	Sept. 28		Working in groups	
	Sept. 30		Group activity	
7	Oct. 5	Last day to drop with automatic "W"	Career goal setting	**ASSIGN:** Portfolio Section #3
	Oct. 7		Career goal setting	
8	Oct. 12		Stress management	**ASSIGN:** 168 hours log **DUE:** Portfolio Section #3
	Oct. 14	Oct. 17th - Midterms Grades Available	Midterm boost	
9	Oct. 19		Time management and resources review	**DUE:** 168 hours log **ASSIGN:** mid-semester reflection
	Oct. 21		Mid-Semester reflection	**DUE:** mid-semester reflection
10	Oct. 26		Registration	**ASSIGN:** registration form
	Oct. 28	Oct 29th - Last day to drop with "WL"	Registration	**DUE:** registration form
11	Nov. 2	Registration begins	Budgets, financial planning	**ASSIGN:** Portfolio Section #4
	Nov. 4		TED talk & small group discussion	

WEEK	DATES	NOTES	TOPIC		ASSIGNMENT
12	Nov. 9		Drugs, alcohol, campus safety		DUE: Portfolio Section #4
	Nov. 11		Mental and sexual health		
13	Nov. 16		Speaker: Diversity		
	Nov. 18	Fall Break - No classes Nov. 23-27	Diversity followup		ASSIGN: Final Portfolio
14	Nov. 30		Small group portfolio feedback		
	Dec. 2		Portfolio presentations		DUE: Final Portfolio
15	Dec. 7		Portfolio presentations		
	Dec. 9	Last Day of Classes	Class activity		