Course	**CS 4485 Computer Science Project**
Professors	Drs. Miguel A. RAZO & Jey Veerasamy
Term	Spring 2016
Meetings	1:00 PM–3:45 PM Friday, ECSS 2.410/ECSN 2.110

Professor's Contact Information

Office Phone	972-883-4240/4241
Office Location	ECSS 3.605, ECSS 3.231
Email Address	mrazo@utdallas.edu; jeyv@utdallas.edu
Office Hours	Dr. Razo: Mon & Wed 11:30 AM - 12:30 PM and by appointment
Other Information	Will be posted on elearning

General Course Information

Pre-requisites, Co-requisites, & other restrictions	Prerequisite: CS/SE 3345, CE/CS/SE 3354 and at least three CS 43xx courses
Course Description	This course is intended to complement theory and to provide an in-depth, hands-on experience in all aspects of a software development project. Students will work in teams on projects of interest to industry and will be involved in specifying the problem and its solution, designing and analyzing the solution, developing the software architecture, along with implementation and testing plans. The deliverables will include reports that document these steps as well as a final project report and a user manual of the developed system. Teams will also make presentations during the class as well as demonstrate their software
Class learning objectives	Students that successfully complete this class will have the: • Ability to write detailed requirements from a customer's minimal project specification • Ability to do requirements analysis with a customer • Ability to write a project proposal based on the refined requirement specification • Ability to work in a team and contribute to a team software design project • Ability to work in a team and contribute to the production of an enterprise software product • Ability to meet milestones and final goals in a team environment • Ability to write a final report fully documenting the design of a software design project • Ability to present to others the work of the team • Ability to identify and address security issues in software systems • Ability to identify and describe the local and global impact of computing • Ability to identify and understand the Ethics and professional responsibility involved in the development of software systems
Suggested Texts, Readings, & Materials	All materials as provided in class/class web page

Assignments & Academic Calendar
- Team will meet with Faculty advisor (weekly) and company mentor (at <u>least once a week</u>), depending on project.
- **Individual/team Weekly reports (ask your company mentor and faculty)**
- Regular meetings will include(Tentative):

Session	Topic	Classroom
Jan 15*	First day of Senior Design class! (Project presentations)	ECSS 2.410
Jan 22	Class cancelled to facilitate all the kickoff meetings!	
Jan 29 *	Project Management	ECSS 2.410
Feb 5*	Leadership & Ethics	ECSS 2.410
Feb 12*	EM 1 - Introduction to Entrepreneurship and Opportunity Recognition	ECSS 2.410
Feb 19*	EM 2 - Finding the Right Opportunity and Creating Value for the Customer	ECSS 2.410
Feb 26*	EM 3 - Creating a Sustainable Business	ECSS 2.410
Feb 26	Project Proposal & Peer Review/Mid Semester Due	--Printed Copy of Signed Proposal -- Peer Review Online
…	Classes cancelled all the way to April last week so that you can use class time to focus on the project.	--
~Last week of April	Graduating students' luncheon – formal farewell from CS dept.!	To be announced
April 29	Senior Design Day presentations – rehearsal Poster and Single Slide – Draft Due (eLearning) Sponsor Form (Signed) Printed Copy Sponsor Approval Form - Elearning	ECSS 2.410
May 3	Poster and Single Slide Final version	Elearning
May 6	Senior Design Day! Final Report (eLearning)	TI Auditorium (ECSS 2.102) (from 12 to 5 PM)

*If you miss three or more lectures, you will lose 10% of final grade

Course Policies

Grading (credit) Criteria	**- Quizzes/Surveys and Attendance: 15% - Project Proposal: 15% (Midterm grade) - Design document: 10% - Test plan/test cases: 10% - Implementation: 20% - Testing: 10% - Documentation (user manual, poster & one-slide, presentation): 20%**
Make-up Exams	**There will be no make-up exams unless previously requested and approved by the instructor**
Extra Credit	**No extra credit assigments**
Late Work	**No late homework or partial credit**
All other policies	**Please visit http://go.utdallas.edu/syllabus-policies for other policies**

These descriptions and timelines are subject to change at the discretion of the Professor.