

	Course	ECSC 2100 Engineering Projects in Community Service (1 Credit)
	Professor	Dr. Nicholas Gans, Dr. Lucas Rodriguez
	Term	Spring Semester 2017
	Meetings	Thursday: 4:00pm-5:40pm SPN 1.121

Professor Gans' Contact Information

Office Phone 972-883-4341
Other Phone N/A
Office Location ECSN 4.910 (My research lab is in ATC 1.608, so I am often there)
Email Address ngans@utdallas.edu
Office Hours Monday and Wednesday 3:00 PM - 4:00 PM or by appointment

Professor Rodriguez' Contact Information

Office Phone 972-883-2043
Other Phone N/A
Office Location SPN 2.223 G2
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Office Hours Thursday 2:00 PM - 4:00 PM or by appointment

General Course Information

Pre-requisites, Co-requisites, & other restrictions

Course Description

ECSC 2100 - Engineering Project in Community Service (1 semester credit hour) This is a design course in which multidisciplinary teams will solve engineering-based problems for the local community. Students will learn the complete design process, awareness of the customer in engineering design, active use of rapid prototyping tools, leadership and project management skills, communication skills, and more. This course will include lectures and instruction in UTDesign Studio

Prerequisite: None

Learning Outcomes

- Students will acquire the ability to apply material from their discipline to the design of community based projects
- Students will gain an understanding of design as a start-to-finish process
- Students will gain the ability to identify and acquire new knowledge as a part of the problem solving/design process
- Students will learn to form an awareness of the customer's needs
- Students will function on multidisciplinary teams and learn to form appreciation for the contributions from individuals from multiple disciplines
- Students will communicate effectively both orally and written with widely-varying backgrounds
- Students will demonstrate an awareness of professional ethics and responsibility

- Students will build an appreciation of the role that their discipline can play in social contexts

Required Texts & Materials NA

Grading criteria and major due date

Team Components		Due
5%	Project Charter	Feb. 2
10%	Semester Project Plan	Feb. 16
10%	Midsemester Design Presentation	Mar. 9
10%	Final Presentation	Apr. 27
10%	Final Written Report	May. 5
10%	Project Webpage	Evaluated Monthly
Team/Personal Components		
30%	Project Results (agreed by advisors and/or sponsors, weighted by peer review)	Evaluated 2x/Semester
Personal Components		
5%	Project Notebooks	Evaluated Weekly
5%	Workshops (5 per semester)	May. 5
5%	Periodic Assignments (described when needed)	ongoing
100%		

Important dates

Last day to drop a class without a “W” - Jan. 25

Last day to drop a class with a “W” – Mar. 27

MLK, no class – Jan. 16

Spring Break, no class – Mar. 13 – Mar.18

Course Policies

Grading (credit) Criteria	Targeted grade ranges: A 90-100% A- 89% B+ 87-88% B 80-86% B- 79% C+ 77-79% C 70-76% C- 60-69% F <60%
Make-up Exams	See Grading (credit) Criteria
Extra Credit	Bonus project may be assigned
Late Work	Will not be accepted
Special	At instructors discretion

Assignments	
Class Attendance	Students are encouraged to attend every class.
Classroom Citizenship	Professional at all times. As courtesy to classmates and instructor, electronic devices, should be turned off during class, except when permitted by the instructor.
Academic Integrity	The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work. Scholastic dishonesty includes, but is not limited to, statements, acts or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work or material that is not one's own. As a general rule, scholastic dishonesty involves one of the following acts: cheating, plagiarism, collusion and/or falsifying academic records. Students suspected of academic dishonesty are subject to disciplinary proceedings. Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable and will be dealt with under the university's policy on plagiarism (see general catalog for details). This course will use the resources of turnitin.com, which searches the web for possible plagiarism and is over 90% effective. http://www.utdallas.edu/deanofstudents/integrity/ http://www.utdallas.edu/deanofstudents/bigfour/ We take this very seriously. Any case of suspected cheating or plagiarizing will be referred to Judicial Affairs. Previous students in my courses have received Fs because they cheated or plagiarized and Judicial Affairs determined they get a 0 for the assignment.
Comet Creed	<i>This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:</i> <i>"As a Comet, I pledge honesty, integrity, and service in all that I do."</i>
UT Dallas Syllabus Policies and Procedures	<i>The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.</i> Please go to http://go.utdallas.edu/syllabus-policies for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.