

 FLORIDA ATLANTIC UNIVERSITY	COURSE CHANGE REQUEST Undergraduate Programs		UUPC Approval <u>10-11-21</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Electrical Eng. and Comp Science College Engineering and Computer Science		
Current Course Prefix and Number EGN 4950C		Current Course Title RI: Engineering Design I	
<i>Syllabus must be attached for ANY changes to current course details. See Checklist. Please consult and list departments that may be affected by the changes; attach documentation.</i>			
Change title to: Change prefix From: _____ To: _____ Change course number From: _____ To: _____ Change credits* From: _____ To: _____ Change grading From: _____ To: _____ Change WAC/Gordon Rule status** Add <input type="checkbox"/> Remove <input type="checkbox"/> Change General Education Requirements*** Add <input type="checkbox"/> Remove <input type="checkbox"/> <small>*Review Provost Memorandum</small> <small>**WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to this form. See WAC Guidelines.</small> <small>***General Education criteria must be indicated in syllabus and approval attached to this form. See GE Guidelines.</small>		Change description to: See attached syllabus for new course description. Change prerequisites/minimum grades to: (EEE 4541 or STA 4821) and (CEN 4010 or EEE 4361C) with minimum grade of "C" Change corequisites to: CEN 4010 or EEE 4361C Change registration controls to: Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).	
Effective Term/Year for Changes: Spring 2022		Terminate course? Effective Term/Year for Termination:	
Faculty Contact/Email/Phone Hanqi Zhuang, zhuang@fau.edu, 561-297-3413			
Approved by Department Chair _____ College Curriculum Chair <u>Dan Meeroff</u> College Dean <u>Fred Bloetscher</u> UUPC Chair <u>Dan Meeroff</u> Undergraduate Studies Dean <u>Edward Pratt</u> UFS President _____ Provost _____		Date _____ <u>9/23/2021</u> _____ <u>10-4-21</u> _____ <u>10-4-21</u> _____ <u>10-11-21</u> _____ <u>10-11-21</u> _____ _____ _____	

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.

Department of Electrical Engineering and Computer Science
 Florida Atlantic University
 Course Syllabus

1. Course title/number, number of credit hours	
RI: Engineering Design I - EGN 4950C	3 credit hours
2. Course prerequisites, corequisites, and where the course fits in the program of study	
Prerequisite: (EEE 4541 or STA 4821) and (CEN 4010 or EEE 4361C) with minimum grade of "C" Corequisite: CEN 4010 or EEE 4361C	
3. Course logistics	
Term: TBD Class location and time:	
4. Instructor contact information	
Instructor's name Office address Office Hours Contact telephone number Email address	TBD
5. TA contact information	
TA's name Office address Office Hours Contact telephone number Email address	TBD
6. Course description	
Students develop and present proposals for capstone design projects to be completed in EGN 4952C. Work in interdisciplinary teams is required. Topics include system design theory and practice, local and global impacts of computing and engineering solutions, multiple constraints, lifelong learning, and ethics. This is a research-intensive (RI) course and an Academic Service Learning (ASL) course.	
7. Course objectives/student learning outcomes/program outcomes	
Course objectives	This course is designed to have the students work in a team environment to design an engineering system. It will foster creative thinking, diversified background exposure, teamwork, communication, and collaboration skills. Students will also be exposed to be held accountable for professional issues, standards, design constraints, and practices not covered in other classes.
Student learning outcomes & relationship to ABET 1-7 objectives	Covers outcomes (2, 3, 4, 5, 7) in CE/EE. Cover outcomes (2, 3, 4, 5) in CS.
8. Course evaluation method	
<ol style="list-style-type: none"> 1. Individual Assignments 40% 2. Group Assignments 50% 3. Discretion 10% 	See Canvas for detailed breakdown and assignment deadlines.
9. Course grading scale	

Department of Electrical Engineering and Computer Science
Florida Atlantic University
Course Syllabus

90 and above: "A-, A", 80-89: "B-, B, B+", 60-79: "C-, C, C+", 40-59: "D-, D, D+", 0-39: F.
10. Policy on makeup tests, late work, and incompletes
<p><i>Makeup tests</i> are given only if there is solid evidence of a medical or otherwise serious emergency that prevented the student from participating in the exam. Makeup exam should be administered and proctored by department personnel unless there are other pre-approved arrangements</p> <p><i>Late work</i> is not acceptable.</p> <p><i>Incomplete grades</i> are against the policy of the department. Unless there is solid evidence of a medical or otherwise serious emergency situation incomplete grades will not be given.</p>
11. Special course requirements
N/A
12. Classroom etiquette policy
University policy requires that in order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular phones and laptops, are to be disabled in class sessions.
13. Attendance Policy
<p>Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance.</p> <p>Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.</p>
14. Disability policy statement
In compliance with the Americans with Disabilities Act (ADA), students who require special accommodation due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/ .
15. Counseling and Psychological Services (CAPS) Center
Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services –

**Department of Electrical Engineering and Computer Science
Florida Atlantic University
Course Syllabus**

individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

16. Code of Academic Integrity policy statement

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [University Regulation 4.001](#). If your college has particular policies relating to cheating and plagiarism, state so here or provide a link to the full policy—but be sure the college policy does not conflict with the University Regulation.

17. Required texts/reading

None

18. Supplementary/recommended readings

TBD

19. Course topical outline, including dates for exams/quizzes, papers, completion of reading

- System Design Processes
- Requirements Engineering
- Standards and Design Constraints
- System Modeling and Design
- Tools and Environment
- Ethics and Societal Impact of Engineering/Computing Solutions
- Teamwork
- Project Management and Planning
- Project Proposal