

Cover Sheet: Request 10550

Computer Engineering Design 2

Info

Process	Course New Ugrad/Pro
Status	Pending
Submitter	Banerjee,Arunava arunava@ufl.edu
Created	11/10/2015 6:38:31 PM
Updated	2/11/2016 6:12:12 PM
Description	Selected capstone design projects involving engineering applications in the various areas of computer engineering. This course must be taken in the student's penultimate term.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	ENG - Computer and Information Science and Engineering 011914001	Gilbert, Juan Eugene		11/11/2015
No document changes					
College	Approved	ENG - College of Engineering	Caple, Elizabeth		1/21/2016
No document changes					
University Curriculum Committee	Comment	PV - University Curriculum Committee (UCC)	Case, Brandon	Added to the February agenda	1/21/2016
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			1/21/2016
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Course|New for request 10550

Info

Request: Computer Engineering Design 2
Submitter: Banerjee,Arunava arunava@ufl.edu
Created: 2/13/2016 2:31:11 PM
Form version: 3

Responses

Recommended Prefix: CEN
Course Level : 4
Number : 924
Lab Code : C
Course Title: Computer Engineering Design 2
Transcript Title: Comp Engr Design 2
Effective Term : Fall
Effective Year: 2016
Rotating Topic?: No
Amount of Credit: 3
Repeatable Credit?: No
S/U Only?: No
Contact Type : Regularly Scheduled
Degree Type: Baccalaureate
Weekly Contact Hours : 3
Category of Instruction : Advanced
Delivery Method(s): On-Campus
Course Description : Selected capstone design projects involving engineering applications in the various areas of computer engineering. Senior standing is a prerequisite and it must be taken prior to the semester of graduation.
Prerequisites : CEN 3923(C) & senior standing
Co-requisites : None
Rationale and Placement in Curriculum : This is the second course in a 2-course capstone design sequence for the Computer Engineering curriculum.
Course Objectives : The student will be able to design a project from conception through the completion of a working project. The student will be able to produce a patent-style notebook, compose a proposal, explain the project to others through demonstrations and presentations, and compose a completed design report.
Course Textbook(s) and/or Other Assigned Reading: None required for the course. Software as determined by the selected project.
Weekly Schedule of Topics : - Team and Project Selection
- Project Selection Abstract Due (preliminary project proposal)
- Preliminary Design Reports Due
- Preliminary Design Presentations in class
- Guest Lectures – attendance is mandatory
* Intellectual Property
* Career Resource Center
* Other topics
- Intermediate Design Reviews
- Periodic In-lab Presentations
- Final Design Report Due Along with Final Project Presentation/Demo
- Demonstration and Poster Session
Grading Scheme : Grades are assigned for Project Abstract, Preliminary Design Report, Preliminary Design Presentation, Intermediate Design Review, Patent-Style Notebook, Final Design Report, and Final Design Presentation & Demonstration.

In order to pass the class, students must finish their design projects and show a working demonstration. The items with the greatest emphasis towards a final grade are the Final Design Report and the Final Design Presentation/Demonstration.

50% Six modules

25% Final Presentation

25% Working Final Design Demonstration

Instructor(s) : Dr. Herman Lam

CEN 4924C Computer Engineering Design 2

1. Catalog Description – (3 credits) Selected capstone design projects involving engineering applications in the various areas of computer engineering. Senior standing is a prerequisite and it must be taken prior to the semester of graduation.
2. Pre-requisites – CEN 3923C and senior standing
3. Course Objectives – The student will be able to design a project from conception through the completion of a working project. The student will be able to produce a patent-style notebook, compose a proposal, explain the project to others through demonstrations and presentations, and compose a completed design report.
4. Contribution of course to meeting the professional component (ABET only – undergraduate courses) – 3 hours of Engineering Design
5. Relationship of course to program outcomes: (ABET only undergraduate courses) – ABET Outcomes b, c, d, e, f, g, h, i, j
6. Instructor - Instructor – Dr. Herman Lam
 - a. Office location: 313 Benton
 - b. Telephone: 392-2689
 - c. E-mail address: hlan@ufl.edu
 - d. Class Web site: <http://lss.at.ufl.edu>
 - e. Office hours: MWF 9:30-10:30 or by appointment
7. Teaching Assistant - TBD
 - a. Office location:
 - b. Telephone:
 - c. E-mail address:
 - d. Office hours:
8. Meeting Times and Location - M W F 6th, 100 NEB
9. Class/laboratory schedule - 3 class periods each week consisting of 50 minutes each and 1 laboratory period consisting of 180 minutes
10. Material and Supply Fees - None
11. Textbooks and Software Required – None required for the course. Software as determined by the selected project.
12. Recommended Reading – Determined by project
13. Course Outline –
 - Team and Project Selection

- Project Selection Abstract Due (preliminary project proposal)
- Preliminary Design Reports Due
- Preliminary Design Presentations in class
- Guest Lectures – attendance is mandatory
 - Intellectual Property
 - Career Resource Center
 - Other topics
- Intermediate Design Reviews
- Periodic In-lab Presentations
- Final Design Report Due Along with Final Project Presentation/Demo
- Demonstration and Poster Session

14. Attendance and Expectations – In order to pass the course, attendance is mandatory. Lectures will not be held on a regular basis. Dates for class meetings will be announced in class, or via email. These dates will be posted on the class website.

There are typically two members per project group.

Attendance is mandatory at the guest lectures.

Cell phones and other electronic devices are to be silenced. No text messaging during class or exams.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

15. Grading – Grades are determined by the quality of work with 9 specific course requirements: Project Abstract, Preliminary Design Report, Preliminary Design Presentation, Intermediate Design Review, Patent-Style Notebook, Final Design Report, and Final Design Presentation, and Demonstration of Working Final Design.

In order to pass the class, students must finish their design projects and show a **working** demonstration. The items with the greatest emphasis towards a final grade are the Final Design Report and the Final Design Presentation/Demonstration.

50%	Six modules
25%	Final Presentation
25%	Working Final Design Demonstration

16. Grading Scale –

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0-59

A C- will not be a qualifying grade for critical tracking courses. In order to graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

17. Make-Up Exam Policy - If you have a University-approved excuse and arrange for it in advance, or in case of documented emergency, a make-up exam will be allowed and arrangements can be made for making up missed work. University attendance policies can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Otherwise, make-up exams will be considered only in extraordinary cases, and must be taken before the scheduled exam.

18. Honesty Policy – UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.
19. Accommodation for Students with Disabilities – Students requesting classroom accommodation must first register with the Dean of Students Office. That office will provide documentation to the student who must then provide this documentation to the course instructor when requesting accommodation.
20. UF Counseling Services – Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:
- UF Counseling & Wellness Center, psychological and psychiatric services, 3190 Radio Rd, 392-1575, online: <http://www.counseling.ufl.edu/cwc/Default.aspx>,
 - Career Resource Center, Reitz Union, career and job search services, 392-1601.
 - University Police Department, 392-1111 or 911 for emergencies
21. Software Use – All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.
22. Course Evaluation – Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at: <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks

of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at: <https://evaluations.ufl.edu/results>.