

Add Course Request

Submitted on: 2012-11-21 12:30:47

1. COURSE SUBJECT	CE
2. COURSE NUMBER (OR PROPOSED NUMBER)	4920W
3. COURSE TITLE	Civil Engineering Projects II
4. INITIATING DEPARTMENT or UNIT	Civil & Environmental Engineering
5. NAME OF SUBMITTER	John N Ivan
6. PHONE of SUBMITTER	Phone: +1 860 486 0352
7. EMAIL of SUBMITTER	Email: john.ivan@uconn.edu
8. CONTACT PERSON	John N Ivan
9. UNIT NUMBER of CONTACT PERSON (U-BOX)	3037
10. PHONE of contact person	Phone: +1 860-486-0352
11. EMAIL of of contact person	Email: john.ivan@uconn.edu
12. Departmental Approval Date	10/10/2012
13. School/College Approval Date	11/13/2012
14. Names and Dates of additional Department and School/College approvals	
15. Proposed Implementation Date	Term: fall, Year: 2013
16. Offered before next printed catalog is distributed?	No
17. General Education Content Area	
18. General Education Skill Code (W/Q). Any non-W section?	W No
19. Terms Offered	Semester: Fall Spring Year: Every_Year
20. Sections	Sections Taught: 4
21. Student Number	Students/Sections: 75
22. Clarification: 1 sections of up to 19 students will be offered in the fall semester 3 sections of up to 19 students each will be offered in the spring semester	
23. Number of Credits	2 if VAR Min: Max: credits each term
24. INSTRUCTIONAL PATTERN	

6 hours of laboratory: this time is set aside to provide enough time for all groups to make presentations to all sections of the class. The 6 hours of class time each week also allows time for students to meet together in their teams to work on their projects and flexibility in scheduling individual writing feedback sessions.

25. Will this course be taught in a language other than English? No
If yes, then name the language:

26. Please list any prerequisites, recommended preparation or suggested preparation:
Prerequisite: CE 4900W and (ENGL 1010 or 1011 or 2011 or 3800).

27. Is Instructor, Dept. Head or Unit **Consent Required**? No

28. Permissions and Exclusions:

Open only to Juniors or higher
Open only to Majors

29. Is this course **repeatable for credit**? No
If yes, total credits allowed:
Allow multiple enrollments in same term?

30. **Grading Basis** Graded

31. If satisfactory/unsatisfactory grading is proposed, please provide **rationale**:

32. Will the course or any sections of the course be taught as Honors?
AsHonors

33. Additional Details:

34. Special Attributes:

35. **REGIONAL CAMPUS AVAILABILITY:**

This is a capstone design course for the major. Lower division students would not take this course.

36. **PROVIDE THE PROPOSED TITLE AND COMPLETE CATALOG COPY:**

4920W. Civil Engineering Projects II

Two credits. Two 3-hour discussion periods. Prerequisite: CE 4900W and ENGL 1010 or 1011 or 2011 or 3800.

Design of Civil Engineering Projects. Students working singly or in groups implement previously developed proposals for Civil Engineering design projects from first concepts through preliminary proposals, sketches, cost estimations, design, evaluation, consideration of realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability, oral presentation and written reports.

37. **RATIONALE FOR ACTION REQUESTED**

this course along with another proposed two-credit course CE 4900W will replace CE 4910W as the capstone design course for the CE major and the requirement that students take CE 2010, Professional Issues, twice.

38. **SYLLABUS:**

Online URL: (https://web2.uconn.edu/senateform/request/course_uploads/jni02001-1353517251-CE 4920W draft syllabus.doc)

39. Course Information: ALL General Education courses, including W and Q courses, MUST answer this question

Students will carry out a design project for which they prepared a proposal in CE 4900W the previous semester.

All undergraduate majors in Civil Engineering must take this course, the second semester of the “Capstone Design” sequence, which begins with CE 4900W Civil Engineering Projects I. Its purpose is to have students apply knowledge of science and engineering towards solving specific, significant engineering problems. Consequently, upon successful completion of this course, each student will have demonstrated an ability to do the following:

- 1) Recognize the pertinent issues surrounding an engineering problem.
- 2) Write a clear, coherent, technical proposal for designing a solution to the problem.
- 3) Design a solution to the problem that considers the unique context in which it is posed.
- 4) Present solution to both technical and non-technical audiences in oral, written, and graphical form.

Course Outcomes:

This course contributes to students’ acquisition of the following:

1. an understanding of professional and ethical responsibility
2. an ability to communicate effectively
3. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
4. a recognition of the need for, and an ability to engage in life-long learning
5. a knowledge of contemporary issues
6. an ability to design a system, component or process in more than one civil engineering context;

Course Writing Component:

This course carries a “W” designation, and thus includes an intensive writing component, including instruction and feedback. This writing component appears as follows:

- Students will submit individual progress reports each week as indicated on the schedule. Each report must be at least one page long. Students will receive feedback on their writing for each progress report.
 - Each student will contribute at least 10 pages to writing the final report for their group project. Each student’s contribution must be clearly indicated.
- faculty will provide feedback on drafts of sections and/or a full draft of the report, and students use this feedback to revise.
- Each student must pass the writing component of the course in order to pass the course.

40. Goals of General Education: All Courses Proposed for a Gen Ed Content Area MUST answer this question

NA

41. Content Area and/or Competency Criteria: ALL General Education courses, including W and Q courses, MUST answer this question.: Specific Criteria

- a. **Arts and Humanities:**
- b. **Social Sciences:**
- c. **Science and Technology:**
 - i. **Laboratory:**
- d. **Diversity and Multiculturalism:**
 - 43. **International:**
- e. **Q course:**
- f. **W course:**

1. Describe how the writing assignments will enable and enhance learning the content of the course. Describe the page requirements of the assignments, and the relative weighting of the "W" component of the course for the course grade.

-- This course is about carrying out a design project according to a proposal written in the previous course. An important element of the course will be the students learning to communicate their progress on a regular basis. The students will also each contribute to writing a final project report. Writing is integral to the grade on the course.

2. Describe the primary modes of writing instruction in the course (e.g. individual conferences, written commentary, formal instruction to the class, and so on.)

-- Students will receive writing feedback on their individual progress reports. Individual sessions will also be scheduled during the semester as needed.

--Faculty will provide written feedback on sections of or the whole design project report at least two weeks before the end of the semester; students will use that feedback as they revise.

3. Explain how opportunities for revision will be structured into the writing assignments in the course.

-- see answer to question 2

4. State that the syllabus will inform students that they must pass the "W" component of the course in order to pass the course. (Failure to include this clause will result in a request for revisions on your proposal.)

-- this is included in the attached syllabus

42. RESOURCES:

Does the department/school/program currently have resources to offer the course as proposed
YES

If NO, please explain why and what resources are required to offer the course.

43. SUPPLEMENTARY INFORMATION:

Students will be doing a lot of writing in this course and it is only fair that they receive W credit

for it. We currently have only one W course in our program, this will reduce demand on other departments offering W courses in the university and will serve the students better by learning to write in their own major subject area.

ADMIN COMMENT:

Senate approved W 3.25.2013 // GEOCWapp_120312AP.
PropUpdatedBasedOnCommBtwnProposers&Wsub_120312AP. newW_112812AP.

University of Connecticut
CE 4920W Civil Engineering Projects II
Draft Syllabus

Class meets: Tuesdays and Thursdays 2:00-5:00 PM

See attached class schedule for a list of topics for each class period.

Course Description:

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Course Objectives:

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- Each student must pass the writing component of the course in order to pass the course.

CE 4920W Class Schedule and List of Topics (Proposed)

Date	Tuesday	Thursday
Week 1	Meet with team members and project supervisor	Work with team members on project
Week 2	Project work timeline due	Work with team members on project
Week 3	Progress reports due	Work with team members on project

Week 4	Progress reports due	Work with team members on project
Week 5	Progress reports due	Work with team members on project
Week 6	Progress reports due	Work with team members on project
Week 7	Presentation of Progress on Design Project by CE 4920W students	Presentation of Progress on Design Project by CE 4920W students
Week 8	Progress reports due	Work with team members on project
Week 9	Progress reports due	Work with team members on project
Week 10	Progress reports due	Work with team members on project
Week 11	Progress reports due	Work with team members on project
Week 12	Progress reports due	Work with team members on project
Week 13	Progress reports due	Work with team members on project
Week 14	Attend presentations of proposals by CE 4900W students	Attend presentations of proposals by CE 4900W students – Final project report due

“Education is what survives when what has been learned has been forgotten.” – B.F. Skinner