

# Add Course Request

Submitted on: 2012-03-01 11:38:59

1. <b>COURSE SUBJECT</b>	CE
2. <b>COURSE NUMBER</b> (OR PROPOSED NUMBER)	2211
3. <b>COURSE TITLE</b>	Engineering Economics
4. <b>INITIATING DEPARTMENT or UNIT</b>	Civil and Environmental Engineering
5. <b>NAME OF SUBMITTER</b>	John N Ivan
6. <b>PHONE of SUBMITTER</b>	Phone: +1 860 486 0352
7. <b>EMAIL of SUBMITTER</b>	Email: john.ivan@uconn.edu
8. <b>CONTACT PERSON</b>	John Ivan
9. <b>UNIT NUMBER of CONTACT PERSON (U-BOX)</b>	2037
10. <b>PHONE of contact person</b>	Phone: x0352
11. <b>EMAIL of of contact person</b>	Email: john.ivan@uconn.edu
12. Departmental Approval Date	10/13/2010
13. School/College Approval Date	11/18/2010
14. Names and Dates of additional Department and School/College approvals	
15. Proposed Implementation Date	Term: fall, Year: 2012
16. Offered before next printed catalog is distributed?	Yes
17. <b>General Education Content Area</b>	
18. <b>General Education Skill Code (W/Q).</b> Any non-W section?	
19. Terms Offered	Semester: Fall      Year: Every_Year
20. Sections	Sections Taught: 1
21. Student Number	Students/Sections: 5
22. Clarification:	
23. <b>Number of Credits</b>	1 if VAR Min: Max: credits each term
24. <b>INSTRUCTIONAL PATTERN</b> 3 50 minute classes per week for the first third of the semester	
25. Will this course be taught in a language other than	No

English?	If yes, then name the language:
26. Please list any prerequisites, recommended preparation or suggested preparation: MATH 1122Q or 1132Q	
27. Is Instructor, Dept. Head or Unit <b>Consent Required</b> ?	No
28. Permissions and Exclusions:  Not open for credit to students who have passed CE 2210 or ENVE 2330 Open only to Majors	
29. Is this course <b>repeatable for credit</b> ?	No If yes, total credits allowed: Allow multiple enrollments in same term?
30. <b>Grading Basis</b>	Graded
31. If satisfactory/unsatisfactory grading is proposed, please provide <b>rationale</b> :	
32. Will the course or any sections of the course be taught as Honors? AsHonors	
33. Additional Details:	
34. Special Attributes:	
35. <b>REGIONAL CAMPUS AVAILABILITY:</b>	
36. PROVIDE THE PROPOSED TITLE AND COMPLETE CATALOG COPY:  Engineering Economics.  Time value of money. Evaluation of alternative projects.	
37. <b>RATIONALE FOR ACTION REQUESTED</b>  We have been getting a number of students who transfer in credits for a statistics course. Usually the content of the transferred course covers the statistics portions of our existing required course CE 2210, but not the engineering economics portion. It is not right to give credit for CE 2210 in this case, but it is also not fair to make the student take the entire course. The instructor has been allowing such students to register for an independent study for 1 credit and take just the engineering economics portion of the course. This has been happening often enough that it makes sense to create a special 1 credit course covering the engineering economics content which along with an appropriate statistics course (transferred in) will substitute for the requirement for CE 2210. The existing course is at the 2000 level, so it makes sense to have this course at the same level. We do not expect large numbers of students for this course, so the enrollment restriction is effectively moot. We would not permit students to take this from other departments as it is intended only to serve this special need for our students.	
38. <b>SYLLABUS:</b>  Online URL: ( <a href="https://web2.uconn.edu/senateform/request/course_uploads/jni02001-1330619927-CE 281 Syllabus F 03.pdf">https://web2.uconn.edu/senateform/request/course_uploads/jni02001-1330619927-CE 281 Syllabus F 03.pdf</a> )	
39. <b>Course Information: ALL General Education courses, including W and Q courses,</b>	

**MUST answer this question**

This is not a general education course.

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

**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:**

**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:**

**ADMIN COMMENT:**

Senate approved new course 4/23/12

University of Connecticut  
CE 281 Engineering Economics  
Fall 2003 Course Syllabus

Class time: CAST 204 MWF 1:00-1:50 PM

Instructor: John N. Ivan, CAST 332 Email: john.ivan@uconn.edu  
(860) 486-0352 Office hours: MWF 2pm & by appointment

Teaching assistant: Chen Zhang, CAST 205 Email: chen.zhang@uconn.edu  
(860) 486-0586 Office hours: to be announced  
Website: <<http://webct.uconn.edu>>

**Special Note:**

This course is taught along with CE/ENVE 201 Decision Analysis in CEE. Students enrolled in CE 281 will take only the first third of the course.

Texts:

1. C. Jotin Khisty and Jamshid Mohammadi, *Fundamentals of Systems Engineering*, Prentice-Hall, 2001, Chapter 3.
2. Charles S. Revelle, E. Earl Whitlach, and Jeff R. Wright, *Civil & Environmental Systems Engineering*, Prentice-Hall, 1997, Chapters 13, 14 and Appendix

Both of these texts are available at the UConn COOP. Other materials will be distributed in class or on the course website at WebCT (address listed above). Everything distributed in class, including this syllabus and all homework assignments and solutions, will also be posted on WebCT, so if you miss class, you can get the assignments and handouts you missed there. If you do not find CE 201 on your list of courses when you log in to WebCT, it is because you are not registered for CE 281, or CE/ENVE 201 according to PeopleSoft. Please register for the course on PeopleSoft, and send me email at the address above (include your PeopleSoft ID) so I can give you access.

Communications:

WebCT will be the center for communications for this course. Please check your email and the message board at WebCT regularly (at least every other day), as I will occasionally post announcements there that I do not repeat in class. Also, I prefer that you send me email related to the course through WebCT rather than using my uconn email address (provided above for emergencies). Also, if you have a general question about the course, please post it on the WebCT bulletin board, and I will answer it there for everyone to benefit from the answer.

Grading and Coursework:

Element	% of Grade	Comment
Homework	12.5	Homework will be assigned on most class days. Unless otherwise noted at time of assignment, all homework is due in class on the next class day following. No late homework will be graded; however, each student is entitled to miss one homework assignment without penalty. Class participation will be evaluated a part of the homework grade using in-class exercises and unannounced quizzes.
Final Exam	87.5	The final exam will be the first mid-term exam scheduled for CE/ENVE 201, given on September 26.

CE 281 Fall 2003 - Class Schedule

CLASS	DATE	TOPIC READINGS	<u>Khisty</u>	<u>Revelle</u>
1	Aug. 25	Introduction	Ch. 1-2	
2	Aug. 27	Cash flow profiles	Ch. 3.1-3.2	Ch. 13.A
3	Aug. 29	Simple & compound interest; Present & future worth of single payments	Ch. 3.3-3.4	Ch. 13.B
4	Sep. 1	LABOR DAY - NO CLASS*		
5	Sep. 3	Present and future worth of series of payments	Ch. 3.5	Ch. 13.C.1
6	Sep. 5	Amortization of single payment; Sinking funds	Ch. 3.5	Ch. 13.C.1
7	Sep. 8	Present or future worth of arithmetic gradient	Ch. 3.6	Ch. 13.C.2
8	Sep. 10	Defining alternatives and selection criteria	Ch. 3.9-17	Ch. 14.A-B
9	Sep. 12	Present worth method for alternative selection		Ch. 14.C
10	Sep. 15	Annual net worth method for alternative selection		Ch. 14.D
11	Sep. 17	Benefit-Cost ratio method for alternative selection		Ch. 14.E
12	Sep. 19	Rate of Return method for alternative selection		Ch. 14.F
13	Sep. 22	Depreciation and taxes	Ch. 3.18	
14	Sep. 24	REVIEW		
15	Sep. 26	FINAL EXAM		