PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

DEPARTMENT: Civil Engineering
EFFECTIVE SESSION: Fall 2011

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

1. New course with supporting documents
2. Add existing course offered at another campus
3. Expiration of a course
4. Change in course number
5. Change in course title
6. Change in course credit/ type
7. Change in course attributes (department head signature only)
8. Change in instructional hours
9. Change in course description
10. Change in course requisites/restrictions
11. Change in semesters offered (department head signature only)
12. Transfer from one department to another

PROPOSED:

Subject/ Abbreviation: CE
Course Number: 29201

EXISTING:

Subject/ Abbreviation
Course Number

TERMS OFFERED:

Check All That Apply:

☐ Fall
☐ Spring
☐ Summer

CAMPUS(ES) INVOLVED:

☐ Calumet
☐ Cont Ed
☐ Tech Statewide
☐ Ft. Wayne
☐ Indianapolis

Long Title: Contemporary Issues in Civil Engineering
Short Title: Contemp Issues in CE

Abbrivated title will be entered by the Office of the Registrar if omitted. (20 CHARACTERS ONLY)

CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 1
2. Variable Credit Range: Minimum Cr. Hrs. (Check One) To Or
Maximum Cr. Hrs. 3. Equivalent Credit: Yes

COURSE ATTRIBUTES:

Check All That Apply

☐ Pass/Not Pass Only 6. Registration Approval Type
☐ Satisfactory/ Unsatisfactory Only 7. Variable Title
☐ Repeatable 8. Honors
☐ Maximum Repeatable Credit 9. Full Time Privilege
☐ Credit by Examination 10. Off Campus Experience

Schedule Type

Cross Listed Course

Lecture:

Recitation:
Presentation:
Laboratory:
Lab Prep:
Distance:
Clinic:
Experiential:
Research:
Ind. Study:
Prac/Clin:
Per Mgr
Per Wk
Week
% of Credit
Allocated

16
100%

The objective of this course is to provide a forum on contemporary issues in the profession of civil engineering. Items addressed include professionalism and ethics, entrepreneurship, interactions with engineering faculty and professionals outside the University. A professional portfolio of communication assignments including understanding of cultural differences and collaborating globally, individual plans of study, and academic career options within civil engineering will be addressed. Restricted to sophomore status in College of Engineering.

COURSE LEARNING OUTCOMES

1. Provide an understanding of professional and ethical responsibility
2. Demonstrate the ability to communicate effectively
3. Demonstrate the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context

Calumet Department Head Date Calumet School Dean Date

Ft. Wayne Department Head Date Ft. Wayne School Dean Date

Indianapolis Department Head Date Indianapolis School Dean Date

North Central Faculty Senate Chair Date Vice Chancellor for Academic Affairs Date

West Lafayette Department Head Date West Lafayette College Dean Date West Lafayette Registrar Date

OFFICE OF THE REGISTRAR

8/12/11
TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Civil Engineering

RE: New undergraduate course CE 2920 Contemporary Issues in Civil Engineering

The faculty of the School of Civil Engineering has approved the following new course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

Course No. CE 2920 Contemporary Issues in Civil Engineering
Sem. 1 & 2, Lecture, Cr. 1
Restriction: sophomore status in College of Engineering

Description: A forum on contemporary issues in the profession of civil engineering. Addresses professionalism and ethics, entrepreneurship, cultural differences, global collaboration, communication skills, and career options within civil engineering. Interactions with faculty in various disciplines within civil engineering and with professionals outside the University. Each student will demonstrate (a) an understanding of professional and ethical responsibility, (b) the ability to communicate effectively, and (c) the impact of engineering solutions in a global, economic, environmental, and societal context.

Reason: To incorporate ethics and professionalism, communication, and the impact of engineering solutions in a global, economic, environmental, and societal context into our curriculum. This new required course replaces CE29000 Civil Engineering Seminar and will incorporate contemporary issues previously addressed in CE 39900 Oral & Written Communication, which has been eliminated from the curriculum.

M. Katherine Banks, Head
School of Civil Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes # 17
Date 4-20-11
Chairman ECC R. Cipra
CE 29200 Contemporary Issues in Civil Engineering

Supporting documentation

1. **Justification**: CE 29200 addresses professionalism and ethics, entrepreneurship, cultural differences, global collaboration, communication skills, and career options within civil engineering. With the recent elimination of CE 39900 Oral and Written Communication, the new course CE 29200 is needed to more appropriately incorporate our outcomes related to ethics, communications, and global and cultural differences into our core curriculum. CE 29200 will combine aspects of a seminar class with grades assigned on participation. The final grade in this revised course will include assignments on ethics, communication, global and cultural differences, and group projects. Due to the change in course requirements, this revision will change the course from 0 credit hours to 1 credit hour.

2. **Level**: Undergraduate Level

3. **Title**: Revised title – CE 29000 Contemporary Issues in Civil Engineering

4. **Restriction**: sophomore status in the College of Engineering

5. **Course objectives**: The objective of this course is to provide a forum on contemporary issues in the profession of civil engineering. Items addressed include professionalism and ethics, entrepreneurship, interactions with engineering faculty and professionals outside the University. Communication assignments will address cultural differences, global collaboration, individual plans of study, and academic career options within civil engineering.

6. **Course Outcomes**: At the completion of this course, the student will be able to …
   1. Demonstrate an understanding of professional and ethical responsibility
   2. Demonstrate the ability to communicate effectively
   3. Demonstrate the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context

7. **Assessment tools**:
   1. Professional correspondence (professional transmittal correspondence with enclosures)
   2. Resume (1 page)
   3. Formal memo (ethics analysis and response) 1 page with attachment
   4. Visual presentation of engineering project (small project on “visualizing civil engineering”)
   5. Global assignment
8. Course Outline:

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9. Text: class notes

10. The course website with all assignments, datasets, etc. can be accessed at the following: [http://bridge.ecn.purdue.edu/~ce292](http://bridge.ecn.purdue.edu/~ce292)

11. The proposed course syllabus is appended on the following pages.
CE 2920
Contemporary Issues in Civil Engineering

The objective of this course is to provide a forum on contemporary issues in the profession of civil engineering. Items addressed include professionalism and ethics, entrepreneurship, interactions with engineering faculty and professionals outside the University. Communication assignments will address cultural differences, global collaboration, individual plans of study, and academic career options within civil engineering.

Lectures:
1 day per week for 50 minutes (typically Tuesday or Thursday)

Website:
http://bridge.ecn.purdue.edu/~ce292

Course requirements:
- Professional correspondence (professional transmittal correspondence with enclosure)
- Resume (1 page)
- Formal memo (ethics analysis and response) 1-page with attachment
- Visual presentation of engineering project (small project on "visualizing civil engineering")
- Global assignment

Grade distribution:
Communication assignments (10%); Ethics Assignment (15%); Guest Speaker introduction, questions, participation (15%); Global Assignment (30%); Visualization Project (30%)

Prerequisites:
Sophomore status in College of Engineering

Required materials:
Class notes
## Course content

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