

REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A COURSE

DEPARTMENT Civil Engineering

EFFECTIVE SESSION Spring 2007

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

- | | | | |
|--------------------------|---|-------------------------------------|---|
| <input type="checkbox"/> | 1. New course with supporting documents | <input type="checkbox"/> | 7. Change in course attributes |
| <input type="checkbox"/> | 2. Add existing course | <input type="checkbox"/> | 8. Change in instructional hours |
| <input type="checkbox"/> | 3. Expiration of a course | <input checked="" type="checkbox"/> | 9. Change in course description |
| <input type="checkbox"/> | 4. Change in course number | <input type="checkbox"/> | 10. Change in course requisites |
| <input type="checkbox"/> | 5. Change in course title | <input checked="" type="checkbox"/> | 11. Change in semesters offered |
| <input type="checkbox"/> | 6. Change in course credit/type | <input type="checkbox"/> | 12. Transfer from one department to another |

PROPOSED:

EXISTING:

Subject Abbreviation CE Subject Abbreviation CE
 Course Number 584 Course Number 584
 Long Title Foundation Analysis and Design
 Short Title Foundation Anly & Des
 Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

TERMS OFFERED

Check All That Apply:

Summer Spring Fall

CAMPUS(ES) INVOLVED

Calumet Ft. Wayne
 Indianapolis N. Central
 W.Lafayette Cont Ed
 Tech Statewide

CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 3
 2. Variable Credit Range:
 Minimum Cr. Hrs.
 (Check One) To Or
 Maximum Cr. Hrs.
 3. Equivalent Credit: Yes No
 4. Thesis Credit: Yes No

COURSE ATTRIBUTES: Check all That Apply

1. Pass/Not Pass Only
 2. Satisfactory/Unsatisfactory Only
 3. Repeatable
 Maximum repeatable credit:
 4. Credit by Examination
 5. Designator Required
 6. Special Fees

7. Registration Approval Type

- Department Instructor
 8. Variable Title
 9. Remedial
 10. Honors
 11. Full Time Privilege
 12. Off Campus Experience

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn)	Delivery Medium(Audio,Internet, Live,Text-Based, Video)
Lecture	50	3	16	100		Live
Recitation						
Presentation						
Laboratory						
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES):

Sem. 1, Class 3, Cr. 3. Prerequisite: CE 483. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites. Design of shallow foundations (isolated, combined, and strip footings), with specific attention to issues of mutual concern and interest to geotechnical and structural engineers. Review of factors that serve as the basis for selection of foundation type. Interpretation of subsurface exploration results. Settlement analyses and limit bearing capacity analyses. Communications and interaction between geotechnical and structural engineers. Structure and contents of a geotechnical report. Detailed treatment of geotechnical/structural design criteria and methodologies for various types of shallow and deep foundations.

Calumet Undergrad Curriculum Committee	Date	Calumet Department Head	Date	Calumet School Dean	Date
Fort Wayne Department Head	Date	Fort Wayne School Dean	Date	Fort Wayne Chancellor	Date
Indianapolis Department Head	Date	Indianapolis School Dean	Date	<i>Michael J. Tolbach</i> 12/11/06	Date
North Central Department Head	Date	North Central Chancellor	Date	Date Approved by Graduate Council	
<i>M.K. Bonds</i> 10/2/06	Date	<i>Michael J. Mori</i> 12/11/06	Date	<i>Marilyn D. Keist</i> 12/8/06	Date
West Lafayette Department Head	Date	West Lafayette College/School Dean	Date	Graduate Council Secretary	Date
Graduate Council Area Committee Chair	Date	Graduate Dean	Date	<i>Sandra Schaffer</i> 12/14/06	Date
				West Lafayette Registrar	Date

12/14/06
jm

TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Civil Engineering
RE: Changes in CE 584 Course Description and Semester Offering

From: **CE 584 – Foundation Analysis and Design**

Sem. 2, Class 3, Cr. 3

Prerequisite: CE 483. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Selected topics in soil response and technology needed in conventional geotechnical analysis and design; shearing behavior in sands; stresses induced by boundary loadings; settlement and time rate of settlement; bearing capacity and design of footings; piles, pile groups, caissons; and soil dynamics.

To: **CE 584 – Foundation Analysis and Design**

Sem. 1, Class 3, Cr. 3.

Prerequisite: CE 483. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Design of shallow foundations (isolated, combined, and strip footings), with specific attention to issues of mutual concern and interest to geotechnical and structural engineers. Review of factors that serve as the basis for selection of foundation type. Interpretation of subsurface exploration results. Settlement analyses and limit bearing capacity analyses. Communications and interaction between geotechnical and structural engineers. Structure and contents of a geotechnical report. Detailed treatment of geotechnical/structural design criteria and methodologies for various types of shallow and deep foundations.

Reason: To provide an updated course description and offering schedule

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE COMMITTEE ON
FACULTY RELATIONS

CFR Minutes 5
Date 9/29/06
Chairman CFR Michael J. Ottensmire

