

REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A COURSE

EFD 12-05

DEPARTMENT Civil Engineering

EFFECTIVE SESSION Fall 2006

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 checked="" type="checkbox"/> | 10. Change in course requisites |
| <input type="checkbox"/> | 5. Change in course title | <input 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 371 Course Number 371
 Long Title Structural Analysis I
 Short Title Struct Analysis I

TERMS OFFERED
Check All That Apply:
 Summer Spring Fall

CAMPUS(ES) INVOLVED
 Calumet Ft. Wayne
 Indianapolis N. Central
 W.Lafayette Cont Ed
 Tech Statewide

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

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	Syn	Live
Recitation						
Presentation						
Laboratory						
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES):

Sem 1 and 2, Class 3, Cr 3
 Prerequisite: CE 270. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.
 Stress resultants (reactions, axial forces, shear forces, and bending moments) for beams and framed structures. Deflections of beams and frames by geometric methods (moment-area theorems and applications; conjugate beam analogy). Analysis of statically indeterminate beams and frames by classical stiffness methods: slope deflection and moment distribution. Influence functions and their applications.

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>Chancellor</i> 4/21/06	Date
North Central Department Head	Date	North Central Chancellor	Date	Date Approved by Graduate Council	
<i>MK Bonds</i> 4/21/06	Date	<i>Michael Y. Davis</i> 4/24/06	Date	Graduate Council Secretary	Date
West Lafayette Department Head	Date	West Lafayette College/School Dean	Date	<i>Sandra Schaeffer</i>	Date
Graduate Council Area Committee Chair	Date	Graduate Dean	Date	West Lafayette Registrar	Date

TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Civil Engineering
RE: Changes in CE 371 Course Description and Prerequisite

From: **CE 371 – Structural Analysis I**

Sem. 1 and 2, Class 3, Cr. 3.

Prerequisite: CE 270 or 273. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Determination of reactions, shears, and bending moments; determination of deflections (emphasis on method of virtual work); force method of analysis; basis of direct stiffness method; analysis of beams and plane frames and trusses by computer; verification of computer-predicted behavior of structures by hand computation; loading for effect.

To: **CE 371 – Structural Analysis I**

Sem. 1 and 2, Class 3, Cr. 3.

Prerequisite: CE 270. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Stress resultants (reactions, axial forces, shear forces, and bending moments) for beams and framed structures. Deflections of beams and frames by geometric methods (moment-area theorems and applications; conjugate beam analogy). Analysis of statically indeterminate beams and frames by the flexibility method. Analysis of statically indeterminate beams and frames by classical stiffness methods: slope deflection and moment distribution. Influence functions and their applications.

Reason: To provide an updated course description and prerequisite.

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

CFR Minutes 1017

Date 4/7/06

Chairman CFR Edub Montgomery

PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A COURSE

EFD 21-04

Graduate Council Document No. 05-30a

DEPARTMENT School of Civil Engineering

EFFECTIVE SESSION Spring 06

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

- | | | | |
|-------------------------------------|--|--------------------------|----------------------------------|
| <input checked="" type="checkbox"/> | 1. New course with supporting documents | <input type="checkbox"/> | 7. Change in course attributes |
| <input type="checkbox"/> | 2. Add existing course offered at another campus | <input type="checkbox"/> | 8. Change in instructional hours |
| <input type="checkbox"/> | 3. Expiration of a course | <input 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 type="checkbox"/> | 11. Change in semesters offered |
| <input type="checkbox"/> | 6. Change in course credit/type | | |

PROPOSED:

Subject Abbreviation C E
Course Number 567

EXISTING:

Subject Abbreviation _____
Course Number _____

TERMS OFFERED
Check All That Apply:
Summer Fall Spring

Long Title Highway Traffic and Safety Analyses

Short Title HWY TRAF & SAFETY ONLY
Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

CAMPUS(ES) INVOLVED
Calumet Fort Wayne
Indianapolis N. Central
W. Lafayette Cont Ed
Tech Statewide

<p>CREDIT TYPE</p> <p>1. Fixed Credit: Cr. Hrs. <u>3.0</u></p> <p>2. Variable Credit Range: Minimum Cr. Hrs. _____ (Check One) To _____ Or _____ Maximum Cr. Hrs. _____</p> <p>3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>4. Thesis Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>COURSE ATTRIBUTES: Check All That Apply.</p> <p>1. Pass/Not Pass Only <input type="checkbox"/></p> <p>2. Satisfactory/Unsatisfactory Only <input type="checkbox"/></p> <p>3. Repeatable <input type="checkbox"/> Maximum repeatable credit: _____</p> <p>4. Credit by Examination <input type="checkbox"/></p> <p>5. Designator Required <input type="checkbox"/></p> <p>6. Special Fees <input type="checkbox"/></p>		<p>7. Registration Approval Type</p> <p>Department <input type="checkbox"/> Instructor <input type="checkbox"/></p> <p>8. Variable Title <input type="checkbox"/></p> <p>9. Remedial <input type="checkbox"/></p> <p>10. Honors <input type="checkbox"/></p> <p>11. Full Time Privilege <input type="checkbox"/></p> <p>12. Off Campus Experience <input type="checkbox"/></p>	
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Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, TextBased, Video)
Lecture	50	2	16	67	Syn.	Live
Presentation						Live
Laboratory	150	1	16	33	Syn.	Live
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

COURSE DESCRIPTION (INCLUDE REQUISITES):

Sem. 2, Class 2, lab. 3, cr. 3
Prerequisite: C E 463 or consent of instructor
Traffic and safety studies including; traffic and safety impact studies, control and geometry improvements, hazard and countermeasures identification, predicting safety benefits, before-and-after studies; data collection and computer tools for highway traffic and safety evaluation.
Professor Tarko

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>Richard Montgomery</i> 3/24/05 Undergrad Curriculum Committee	Date
North Central Department Head	Date	North Central Chancellor	Date	APPROVED 10/20/05 Date Approved by Graduate Council	
<i>J. M.</i> 3/10/05 West Lafayette Department Head	Date	<i>John H. Janni</i> - 3/23/05 West Lafayette School Dean	Date	<i>Marilyn D. Heist</i> 11/18/05 Graduate Council Secretary	Date
<i>Harshvardhan</i> 10/20/05 Graduate Area Committee Convener	Date	Graduate Dean	Date	<i>Sandra Chaffer</i> 11/22/05 West Lafayette Registrar	Date

