

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 checked="" type="checkbox"/> | 4. Change in course number | <input type="checkbox"/> | 10. Change in course requisites |
| <input checked="" type="checkbox"/> | 5. Change in course title | <input checked="" type="checkbox"/> | 11. Change in semesters offered |
| <input checked="" type="checkbox"/> | 6. Change in course credit/type | <input type="checkbox"/> | 12. Transfer from one department to another |

PROPOSED:

EXISTING:

TERMS OFFERED

Check All That Apply:

Subject Abbreviation CE Subject Abbreviation CE
 Course Number 479 Course Number 479

Summer Spring Fall

Long Title Design of Building Components and Systems

Short Title Design Bldg Comp & Sys

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

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):

Prerequisite or corequisite: CE 473. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Design of simple floor and roof systems and load bearing walls; uses of building materials; fundamentals of design of metal form decking, steel joists, masonry (beams, columns and load bearing walls), and timber (beams, trusses, and mechanical connections).

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 Altouski</i> 12/1/06	Date
North Central Department Head	Date	North Central Chancellor	Date	Undergrad Curriculum Committee	Date
<i>MKB</i> 10/2/06	Date	<i>Michael Y. Shi</i> 12/1/06	Date	Date Approved by Graduate Council	
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 Schepfer</i> 12/1/06	Date
				West Lafayette Registrar	Date

12/16/06
Jan

RECEIVED
DEC 11 2006
ENGINEERING
ADMINISTRATION

TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Civil Engineering
RE: Changes in CE 479 Course Title and Description

From: **CE 479 – Architectural Engineering**

Sem. 2, Class 2, Lab. 3, Cr. 3

Prerequisite or corequisite: CE 473. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Design of simple floor and roof systems; use of building materials; timber design, including trusses, plywood, and laminated members.

To: **CE 479 – Design of Building Components and Systems**

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

Prerequisite or corequisite: CE 473. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Design of simple floor and roof systems and load bearing walls; uses of building materials; fundamentals of design of metal form decking, steel joists, masonry (beams, columns and load bearing walls), and timber (beams, trusses, and mechanical connections).

Reason: To provide an updated course title, description, and offering schedule. The laboratory session has been replaced with one hour lecture. This format allows for additional lecture time needed due to new material introduced in the course as the Load Resistance Factor Design approach has been developed for Masonry.

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

CFR Minutes 4

Date 9/22/06

Chairman CFR Michael J. Altouch

CE 479 Design of Building Components and Systems
Proposed Course Outline

Main Topic	Subtopic	Exams	Weeks
Design of steel floor and roof decks	Roof Decks		1
	Non-Composite Floor Decks		2-3
	Composite Floor Decks		3-4
Design of Steel Joists	K, L, DL and SL Series	Includes 1 exam session at the end of this topic	5-7
Masonry Design	Introduction and Material Properties		7
	Unreinforced Masonry		8-9
	Reinforced Masonry	Includes 1 exam session at the end of this topic	10-11
Wood Design	Introduction and Material Properties		11-12
	Axially Loaded Members		12-13
	Beams and Connections		13-15
Total Number of Weeks		Final Exam	16

