# REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF A COURSE

**PURDUE UNIVERSITY**

**DEPARTMENT** Civil Engineering

**EFFECTIVE SESSION** Fall 2000

**PROPOSED:**

- Subject Abbreviation: CE
- Course Number: 677
- Long Title: Behavior of Metal Structures
- Short Title: Behavior Metal Struct

**EXISTING:**

- Subject Abbreviation: CE
- Course Number: 671

**TERMS OFFERED**

- Summer
- Spring (X)
- Fall (X)

**CAMPUS(ES) INVOLVED**

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

**CREDIT TYPE**

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

**COURSE ATTRIBUTES**

- Check all that apply
  - 1. Pass/Not Pass Only
  - 2. Satisfactory/Unsatisfactory Only
  - 3. Repeatable
  - 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**

- Lecture: 50
- Practice: 0
- Discussion: 0
- Laboratory: 0
- Lab Prep: 0
- Studio: 0
- Distance: 0
- Clinic: 0
- Experiential: 0
- Research: 0
- Ind. Study: 0
- Prac/Observ: 0

**MEETINGS PER WEEK**

- Per Mtg: 3
- Per Week: 16

**WEEKS OFFERED**

- 100

**DELIVERY METHOD**

- Asyn. Or Syn
- Live
- Text-Based, Video

**DELIVERY MEDIUM**

- Audio, Internet

**COURSE DESCRIPTION (INCLUDE REQUISITES):**

Study of the behavior of metal structural components and metal structural systems. The performance of civil engineering type metal structures in various loading environments is examined, and correlations between behavioral characteristics and various design specification requirements are reviewed. Primary emphasis is placed on the behavior of steel structures, although other metal systems also are discussed. Specific topics include material behavior, manufacturing processes, fatigue and fracture, bolting and welding procedures, and repair and retrofit techniques. Course material is augmented with a number of case studies.

**SIGNATURES:**

- Calumet Undergrad Curriculum Committee Date
- Calumet Department Head Date
- Calumet School Dean Date
- Fort Wayne Department Head Date
- Fort Wayne School Dean Date
- Indianapolis Department Head Date
- Indianapolis School Dean Date
- North Central Department Head Date
- North Central Chancellor Date
- North Central College/School Dean Date
- West Lafayette Department Head Date
- West Lafayette College/School Dean Date
- Graduate Council Area Committee Chair Date
- Graduate Dean Date
- West Lafayette Registrar Date

**OFFICE OF THE REGISTRAR**
TO: The Faculty of the College of Engineering  
FROM: The Faculty of the School of Civil Engineering  
RE: Changes in CE 671 Course Description and Schedule

From: **CE 671 – Behavior of Metal Structures**
Sem. 1, Class 3, Cr. 3.

Prerequisite: CE 591. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Study of the behavior of metal structural components and metal structural systems. The performance of civil engineering type metal structures in various loading environments is examined, and correlations between behavioral characteristics and various design specification requirements are reviewed. Primary emphasis is placed on the behavior of steel structures, although other metal systems also are discussed. Course material is augmented with a number of case studies. Professor Bowman.

To: **CE 671 – Behavior of Metal Structures**
Sem. 1 or 2, Class 3, Cr. 3.

Prerequisite: CE 591. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

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Reason: To provide an updated course description and proposed spring schedule.

[Signature]
CNFR Minutes 10/17
Date 4/7/06
Chairman CFR
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