Office of the Registrar
FORM 40 REV. 7/05

PURDUE UNIVERSITY

REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A COURSE

Print Form

ERD 19-05

DEPARTMENT CE

EFFECTIVE SESSION Fall 2006

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

- [ ] 1. New course with supporting documents
- [ ] 2. Add existing course
- [ ] 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
- [ ] 8. Change in instructional hours
- [X] 9. Change in course description
- [ ] 10. Change in course requisites
- [X] 11. Change in semesters offered
- [ ] 12. Transfer from one department to another

PROPOSED:	EXISTING:
Subject Abbreviation ~~CE~~	Subject Abbreviation CE
Course Number ~~577~~	Course Number 577
Long Title Analysis of Plates and Shells	
Short Title Plates and Shells	

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

TERMS OFFERED
Check All That Apply:
Summer [ ] Spring [X] Fall [X]

CAMPUS(ES) INVOLVED
Calumet [ ] Ft. Wayne [ ]
Indianapolis [ ] N. Central [ ]
W.Lafayette [X] 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	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 or 2, Class 3, Cr. 3.
Prerequisite: CE 270 and MA 262. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites. Kirchhoff plates bending theory, classical solution of rectangular plates by Navier and Levy methods, and by approximate techniques of strip theory, Rayleigh-Ritz, finite difference, and finite element methods. Special topics in plate analysis. Analytical solution of shells of revolution based on membrane and bending theories, and numerical solution by the finite element method.

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	Undergrad Curriculum Committee — Date: Robert E. Montgomery 4/24/06
North Central Department Head — Date	North Central Chancellor — Date	Date Approved by Graduate Council
West Lafayette Department Head — Date: MK Bass 04/21/06	West Lafayette College/School Dean — Date: 4/24/06	Graduate Council Secretary — Date: Marilyn D. Hirsch 12/4/06
Graduate Council Area Committee Chair — Date	Graduate Dean — Date	West Lafayette Registrar — Date: 12/9/06

OFFICE OF THE REGISTRAR

12/18/06

Engineering Faculty Document No. 19-05
February 23, 2006

TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Civil Engineering
RE: Changes in CE 577 Course Description and Schedule

From: **CE 577 – Analysis of Plates and Shells**

Sem. 1, Class 3, Cr. 3.

Prerequisite: CE 270 and MA 262. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Kirchhoff plate bending theory, analytical solution of circular plates, classical solution of rectangular plates by Navier and Levy methods, and by numerical techniques of Rayleigh-Ritz, finite difference and finite element methods. Analytical solution of shells of revolution based on membrane and bending theories, and numerical solution by the finite element method.

To: **CE 577 – Analysis of Plates and Shells**

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

Prerequisite: CE 270 and MA 262. Authorized equivalent courses or consent of instructor may be used in satisfying course prerequisites.

Kirchhoff plates bending theory, classical solution of rectangular plates by Navier and Levy methods, and by approximate techniques of strip theory, Rayleigh-Ritz, finite difference and finite element methods. Special topics in plate analysis. Analytical solution of shells of revolution based on membrane and bending theories, and numerical solution by the finite element method.

Reason: To provide an updated course description and course offering schedule.

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

CFR Minutes 1017

Date 4/7/06

Chairman CFR Robert E. Montgomery