

PURDUE UNIVERSITY  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF A GRADUATE COURSE  
(50000-60000 LEVEL)

EPD 44-10

DEPARTMENT Mechanical Engineering EFFECTIVE SESSION Fall-2009 2011

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

<input type="checkbox"/> 1. New course with supporting documents (complete proposal form)	<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 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 checked="" 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: Subject Abbreviation ME EXISTING: Subject Abbreviation ME

Course Number 68700 Course Number 68700

Long Title Laser Diagnostics for Reacting Flows

Short Title Laser Diag. React Flow

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

TERMS OFFERED: Check All That Apply.  
 Summer  Fall  Spring

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

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. Special Fees

6. Registration Approval Type  
 Department  Instructor

7. Variable Title

8. Honors

9. Full Time Privilege

10. Off Campus Experience

Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture	50	3	16	
Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential				
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses  
 RECEIVED  
 2011 JUN 18 AM 9:34  
 OFFICE OF THE REGISTRAR

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

**ME 68700 Laser Diagnostics for Reacting Flows**  
 Sem. 1 (alternative years), Class 3, Cr. 3  
 Prerequisites: ME 50100

The principles of spectroscopic laser diagnostics including absorption, fluorescence, and Raman scattering techniques. Theory of the interaction of laser radiation with atomic and molecular resonances. Lasers and detectors for optical diagnostics.

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____	Calumet Undergrad Curriculum Committee _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____	Fort Wayne Chancellor _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	<i>R. Cipra</i> 4/6/2011 Undergrad Curriculum Committee _____ Date _____
North Central Faculty Senate Chair _____ Date _____	Vice Chancellor for Academic Affairs _____ Date _____	Date Approved by Graduate Council _____
<i>E. Daniel Hordeman</i> 4/26/10 West Lafayette Department Head _____ Date _____	<i>Michael C. ...</i> 4/6/2011 West Lafayette College/School Dean _____ Date _____	<i>Laura L. Payne</i> 6/2/11 Graduate Council Secretary _____ Date _____
Graduate Area Committee Convener _____ Date _____	<i>Phillip J. Pope</i> 6/2/11 Graduate Dean _____ Date _____	<i>Janet ...</i> West Lafayette Registrar _____ Date _____

OFFICE OF THE REGISTRAR

