PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A GRADUATE COURSE
(500-600 LEVEL)

DEPARTMENT Mechanical Engineering EFFECTIVE SESSION Summer 2008

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

1. New course with supporting documents (complete proposal form)
2. Add existing course offered at another campus
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
9. Change in course description
10. Change in course requisites
11. Change in semesters offered
12. Transfer from one department to another

PROPOSED:

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>Subject Abbreviation</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>System Optimization Techniques I</td>
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<th>Short Title</th>
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Abbreviated title will be entered by the Office of the Registrar if approved. (22 CHARACTERS ONLY)

PROPOSED:

TERMS OFFERED

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| Terms Offered
|-----------------
| Check All That Apply |
|--------------------
|                    |
| Summer | Fall | Spring |

CAMPUS(ES) INVOLVED

<table>
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<th>Campus</th>
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<td>Core Ed</td>
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<td>Tech Statewide</td>
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COURSE ATTRIBUTES: Check All That Apply

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CROSS-LISTED COURSES

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<th>COURSE DESCRIPTION (INCLUDE REQUIRETS):</th>
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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 Undergrad Curriculum Committee Date

North Central Department Head Date North Central Chancellor Date Date Approved by Graduate Council

Graduate Area Committee Convener Date Graduate Dean Date West Lafayette Registrar Date
**PURDUE UNIVERSITY**

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

(500-600 LEVEL)

**DEPARTMENT** Mechanical Engineering  
**EFFECTIVE SESSION** Summer 2008

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

- [ ] 1. New course with supporting documents (complete proposal form)
- [ ] 2. Add existing course offered at another campus
- [X] 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
- [ ] 9. Change in course description
- [ ] 10. Change in course requisites
- [ ] 11. Change in semesters offered
- [ ] 12. Transfer from one department to another

**PROPOSED:**

- **Subject Abbreviation:** ME
- **Course Number:** 568
- **Long Title:** System Optimization Techniques I
- **Short Title:** [Blank]

**EXISTING:**

- **Subject Abbreviation:** [Blank]
- **Course Number:** [Blank]
- **Long Title:** [Blank]
- **Short Title:** [Blank]

**TERMS OFFERED:** Check All That Apply:

- [X] Summer
- [X] Fall
- [ ] Spring

**CAMPUS(ES) INVOLVED:**

- [ ] Calumet
- [ ] Cont Ed
- [ ] Ft. Wayne
- [ ] W. Lafayette
- [ ] Indianapolis

**CREDIT TYPE**

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<td>Yes</td>
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**Institutional Type:**

- Lecture
- Recitation
- Presentation
- Laboratory
- Lab Prep
- Studio
- Distance
- Clinic
- Experiential
- Research
- Ind. Study
- Prac/Observ

**Minutes Per Mth:**

**Meetings Per Week:**

**Weeks Offered:**

**% of Credit Allocated:**

**Delivery Method:**

- Asyn.
- On-Site
- Online
- Internet
- Live
- Text-Based
- Video

**Cross-Listed Courses:**

**COURSE DESCRIPTION (INCLUDE REQUISITES):**

**Calumet Department Head**

**Calumet School Dean**

**Calumet Undergrad Curriculum Committee**

**Fort Wayne Department Head**

**Fort Wayne School Dean**

**Fort Wayne Chancellor**

**Indianapolis Department Head**

**Indianapolis School Dean**

**Undergrad Curriculum Committee**

**North Central Department Head**

**North Central Chancellor**

**Date Approved by Graduate Council**

**West Lafayette Department Head**

**West Lafayette College/School Dean**

**Graduate Council Secretary**

**Graduate Area Committee Convener**

**Graduate Dean**

**West Lafayette Registrar**

**OFFICE OF THE REGISTRAR**
### Purdue University Request for Addition, Expiration, or Revision of a Graduate Course (500-600 Level)

#### Department: Mechanical Engineering
#### Effective Session: Summer 2008

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

- [ ] New course with supporting documents (complete proposal form)
- [ ] Add existing course offered at another campus
- [ ] Expiration of a course
- [ ] Change in course number
- [ ] Change in course title
- [ ] Change in course credit type
- [ ] Change in course attributes
- [ ] Change in instructional hours
- [ ] Change in course description
- [ ] Change in course requisites
- [ ] Change in semesters offered
- [ ] Transfer from one department to another

**Proposed:***

- **Subject Abbreviation:** ME
- **Course Number:** 555
- **Long Title:** Composites and Polymer Processing
- **Short Title:**

**Existing:***

- **Subject Abbreviation:**
- **Course Number:**
- **Long Title:**
- **Short Title:**

**Terms Offered:**
- [ ] Summer
- [ ] Fall
- [ ] Spring

**Campus(es) Involved:**
- Calumet
- Ft. Wayne
- Indianapolis
- Tech Statewide
- N. Central
- W. Lafayette

<table>
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<td>4. Credit by Examination</td>
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<td>Instructional Type</td>
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<td>Minutes Per Week</td>
<td>6. Special Fees</td>
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<td>7. Registration Approval Type</td>
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<tr>
<td>Cross-Listed Courses</td>
<td>12. Off-Campus Experience</td>
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**Course Description (Include Requisites):**

- [ ] Lecture
- [ ] Recitation
- [ ] Presentation
- [ ] Laboratory
- [ ] Prep
- [ ] Distance
- [ ] Clinic
- [ ] Experiential
- [ ] Research
- [ ] Ind. Study
- [ ] Pract/Observe

**Calumet Department Head:**
- Name: E. Daniel Heideman
- Date: 4/2/08

**Calumet School Dean:**
- Name: Marilyn D. Lentz
- Date: 5/23/08

**Calumet Undergrad Curriculum Committee:**
- Name: Michael J. Guellich
- Date: 4/23/08

**Fort Wayne Department Head:**
- Name: Fort Wayne School Dean
- Date: 5/23/08

**Fort Wayne Undergrad Curriculum Committee:**
- Name: Fort Wayne Chancellor
- Date: Michael J. Guellich
- Date: 4/23/08

**Indianapolis Department Head:**
- Name: Indianapolis School Dean
- Date: 5/23/08

**Indianapolis Undergrad Curriculum Committee:**
- Name: Undergrad Curriculum Committee
- Date: 5/23/08

**North Central Department Head:**
- Name: North Central Chancellor
- Date: 5/23/08

**North Central Undergrad Curriculum Committee:**
- Name: Date Approved by Graduate Council
- Date: 5/23/08

**St. Lafayette Department Head:**
- Name: St. Lafayette College/School Dean
- Date: Graduate School Secretary
- Date: 5/23/08

**Graduate Area Committee Convener:**
- Name: West Lafayette College/Registrar
- Date: 5/23/08

**Office of the Registrar:**
- Date: 5/23/08
## PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A GRADUATE COURSE
(500-600 LEVEL)

### DEPARTMENT
Mechanical Engineering

### EFFECTIVE SESSION
Summer 2008

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

- [ ] 1. New course with supporting documents (complete proposal form)
- [ ] 2. Add existing course offered at another campus
- [ ] 3. Expiration of a course
- [ ] 4. Change in course number
- [ ] 5. Change in course title
- [ ] 6. Change in course credit/term type
- [ ] 7. Change in course attributes
- [ ] 8. Change in instructional hours
- [ ] 9. Change in course description
- [ ] 10. Change in course requisites
- [ ] 11. Change in semesters offered
- [ ] 12. Transfer from one department to another

### PROPOSED:

**Subject Abbreviation:** ME

**Course Number:** 555

**Long Title:** Composites and Polymer Processing

**Short Title:** Composites.

### EXISTING:

**Subject Abbreviation:**

**Course Number:**

**Long Title:**

**Short Title:**

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

### TERMS OFFERED

- [ ] [ ] Summer
- [ ] Fall
- [ ] Spring

**CAMPUS(ES) INVOLVED:**

- [ ] Calumet
- [ ] Cont Ed
- [ ] Ft. Wayne
- [ ] Indianapol
- [ ] N. Central
- [ ] Tech Statewide
- [ ] W. Lafayette

### CREDIT TYPE

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<tr>
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### COURSE ATTRIBUTES: Check All That Apply

- [ ] Department
- [ ] Instructor
- [ ] Registration Approval Type
- [ ] Variable Title
- [ ] Remedial
- [ ] Honors
- [ ] Full Time Privilege
- [ ] Off-Campus Experience

### INSTRUCTIONAL TYPE

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<td>Ind. Study</td>
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<td>Pract/Observe</td>
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### COURSE DESCRIPTION (INCLUDE REQUISITES):

- [ ] 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
- [ ] Undergrad Curriculum Committee Date
- [ ] Indianapolis Department Head Date
- [ ] Indianapolis School Dean Date
- [ ] Data Approved by Graduate Council Date
- [ ] North Central Department Head
- [ ] North Central Chanceller
- [ ] Date
- [ ] Graduate Council Secretary
- [ ] Date
- [ ] West Lafayette Department Head Date
- [ ] West Lafayette College/School Dean Date
- [ ] West Lafayette Registrar Date

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**OFFICE OF THE REGISTRAR**
**PURDUE UNIVERSITY**

REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE (100-400 LEVEL)

**ARTMENT:** Mechanical Engineering  
**EFFECTIVE SESSION:** Fall 2008

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

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

**PROPOSED:**

**Subject Abbreviation:** ME  
**Course Number:** 283  
**Long Title:** Sophomore Participation in Engineering Projects in Community Service

**EXISTING:**

**Subject Abbreviation:**  
**Course Number:**  
**Long Title:**  
**Short Title:**  

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

**TERMS OFFERED:**

- [ ] Summer
- [X] Fall
- [ ] Spring

**CAMPUS(ES) INVOLVED:**

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

**CREDIT TYPE:**

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<th>4. Thesis Credit:</th>
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<tbody>
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<td>No</td>
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**INSTRUCTIONAL TYPE:**

- Lecture
- Independent Study
- Laboratory
- Studio
- Distance
- Clinic
- Experiential
- Research
- Ind. Study
- Pract/Observe

**MINUTES PER WEEK:**

- [ ] Lecture
- [ ] Independent Study
- [ ] Laboratory
- [ ] Studio
- [ ] Distance
- [ ] Clinic
- [ ] Experiential
- [ ] Research
- [ ] Ind. Study
- [ ] Pract/Observe

**MEETINGS PER WEEK:**

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<td>Maximum Repeatability</td>
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**% OF CREDIT ALLOCATED:**

- [ ] Asyn. Or Syn.
- [ ] Internet
- [ ] Live
- [ ] Text-Based
- [ ] Video

**DELIVERY METHOD:**

**DELIVERY MEDIUM:**

*Cross-Listed Courses*

**COURSE DESCRIPTION (INCLUDE REQUISITES):**

---

**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:

**West Lafayette Department Head**  
Date:  

**West Lafayette College/School Dean**  
Date:

**West Lafayette Registrar**  
Date:

---

**OFFICE OF THE REGISTRAR**
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(100-400 LEVEL)

ARTMENT: Mechanical Engineering
EFFECTIVE SESSION: Fall 2008

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

- New course with supporting documents
- Add existing course offered at another campus
- Expiration of a course
- Change in course number
- Change in course title
- Change in course credit/type
- Change in course attributes (department head signature only)
- Change in instructional hours
- Change in course description
- Change in course requisites
- Change in semesters offered (department head signature only)
- Transfer from one department to another

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<th>Subject Abbreviation</th>
<th>Existing:</th>
<th>Subject Abbreviation</th>
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Long Title: Junior Participation in Engineering Projects in Community Service
Short Title: [Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)]

<table>
<thead>
<tr>
<th>TERMS OFFERED</th>
<th>CAMPUS(ES) INVOLVED</th>
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<tbody>
<tr>
<td>Summer</td>
<td>Calumet</td>
</tr>
<tr>
<td></td>
<td>Cont Ed</td>
</tr>
<tr>
<td></td>
<td>Ft. Wayne</td>
</tr>
<tr>
<td>Fall</td>
<td>N. Central</td>
</tr>
<tr>
<td></td>
<td>Toch Statewide</td>
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<tr>
<td></td>
<td>W. Lafayette</td>
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<tr>
<td>Spring</td>
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CREDIT TYPE

1. Fixed Credit: Cr. Hrs.
2. Variable Credit Range: [Minimum Cr. Hrs. (Check One)]
   (Check One) To [Maximum Cr. Hrs.]
3. Equivalent Credit: Yes No
4. Thesis Credit: Yes No

<table>
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<tr>
<th>Instructional Type</th>
<th>Minutes Per Min</th>
<th>Meetings Per Week</th>
<th>Weeks % of Credit Offered</th>
<th>Delivery Method (Asyn., Or Syn.)</th>
<th>Delivery Medium (Audio, Internal, Live, Text-Based, Video)</th>
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<td>Ref.</td>
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</tbody>
</table>

COURSE DESCRIPTION (INCLUDE REQUISITES):

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

West Lafayette Department Head Date  West Lafayette College/School Dean Date

OFFICE OF THE REGISTRAR
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE
(100-400 LEVEL)

DEPARTMENT: Mechanical Engineering  EFFECTIVE SESSION: Fall 2008

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

[ ] 1. New course with supporting documents
[ ] 2. Add existing course offered at another campus
[ ] 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 (department head signature only)
[ ] 8. Change in instructional hours
[ ] 9. Change in course description
[ ] 10. Change in course requisites
[ ] 11. Change in semesters offered (department head signature only)
[ ] 12. Transfer from one department to another

PROPOSED:
Subject Abbreviation: ME  EXISTING:
Course Number: 4B4
Long Title: Vibration Measurement and Control
Short Title: 

TERM OFFERS:
Check All That Apply:
[ ] Summer  [ ] Fall  [ ] Spring

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

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

CREDIT TYPE
1. Fixed Credit: Cr. Hrs.: 
2. Variable Credit Range:
   Minimum Cr. Hrs. (Check One) To
   Maximum Cr. Hrs.  
3. Equivalent Credit: Yes [ ] No [ ]
4. Thesis Credit: Yes [ ] No [ ]

INSTRUCTIO.TYPE
Lecture
P-Lecture
Station
Lab Prep
Studio
Distance
Clinic
Experimental
Research
Ind. Study
Practicum/Observ

MINUTES MEETINGS PER WEEK WEEKS % OF CREDIT DELIVERY METHOD DELIVERY MEDIUM (Audio) CROSS-LISTED COURSES

OFFICE OF THE REGISTRAR
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE
(100-400 LEVEL)

DEPARTMENT: Mechanical Engineering
EFFECTIVE SESSION: Fall 2008

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

1. New course with supporting documents
2. Add existing course offered at another campus
3. Expiration of a course
4. Change in course number
5. Change in course title
6. Change in course credit/type
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8. Change in instructional hours
9. Change in course description
10. Change in course requisites
11. Change in semesters offered (department head signature only)
12. Transfer from one department to another

PROPOSED:

Subject Abbreviation: ME
Course Number: 483
Long Title: Senior Participation in Engineering Projects in Community Service
Short Title: 

EXISTING:

Subject Abbreviation: 
Course Number: 

TERMS OFFERED:

- Summer
- Fall
- Spring

CAMPUS(ES) INVOLVED:

- Calumet
- Fort Wayne
- Indianapolis
- N Central
- Tech Statewide
- W Lafayette

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

CREDIT TYPE

1. Fixed Credit: Cr.: Hrs.
2. Variable Credit Range
   Minimum Cr. Hrs
   Maximum Cr. Hrs

3. Equivalent Credit
   Yes
   No

4. Thesis Credit
   Yes
   No

Institutional Type

- Lecture
- P-L-itation
- Lab
- Studio
- Distance
- Clinic
- Experiential
- Research
- Ind. Study
- Pract/Observ

COURSE ATTRIBUTES: Check All That Apply

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Maximum Repeatability Credit
5. Credit by Examination
6. Designator Required
7. Instructor
8. Variable Title
9. Remedial
10. Honors
11. Full Time Privilege
12. Off Campus Experience

Instructional Type

<table>
<thead>
<tr>
<th>Minutes Per Mkt</th>
<th>Meetings Per Week</th>
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<tbody>
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</table>

Weeks Offered

% of Credit Allocated

Delivery Method

- Asyn. Or Syn.

Delivery Medium (Audio)

- Internet, Live, Text-Based, Video

COURSE DESCRIPTION (INCLUDE REQUISITES)

Calumet Department Head
Calumet School Dean
Date
Date

Fort Wayne Department Head
Fort Wayne School Dean
Date
Date

Indianapolis Department Head
Indianapolis School Dean
Date

North Central Department Head
North Central Chancellor
Date
Date

West Lafayette Department Head
West Lafayette College/School Dean
Date
Date

OFFICE OF THE REGISTRAR
TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

RE: Course Deletions

The Faculty of the School of Mechanical Engineering has approved the deletion of the following courses. This action is now submitted to the Engineering Faculty with a recommendation for approval.

ME 283, ME 383, ME 483 Engineering Projects in Community Service
ME 464 Vibration Measurement and Control
ME 555 Composites and Polymers
ME 568 System Optimization Techniques I

Reason: The courses listed above are recommended for deletion because they are no longer in use. New EPICS course numbers with an EPICS designation are now in use so the ME EPICS numbers are no longer needed.

We now offer a broader array of vibrations courses at the graduate level so ME 464 is no longer needed, since these courses are also open to undergraduate students.

ME 555 is no longer being taught so is no longer needed.

ME 568 has not been taught in several years. Because of this inactivity this course is being deleted.

James D. Jones
Associate Professor and Associate Head
School of Mechanical Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes #4
Date 10-15-07
Chairman ECC Signature