### CREDIT TYPE

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<th>Credit Type</th>
<th>Minutes Per Day</th>
<th>Meetings Per Week</th>
<th>% of Credit Allocated</th>
<th>Delivery Method (Asyn. Or Syn.)</th>
<th>Delivery Medium (Audio, Internet, Live, Text-Based, Video)</th>
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### 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/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: 586
- Long Title: Microprocessors in Bioengineering Systems
- Short Title: Microproc Enechm Sys

### EXISTING:

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

### TERMINS OFFERED

- Summer
- Fall
- Spring

### TERMS OFFERED

Campus (ES) Involved:
- Calumet
- Cont Ed
- Ft. Wayne
- Indianapolis
- N. Central
- Tech Statewide
- W. Lafayette

### COURSE DESCRIPTION (INCLUDE REQUISITES):

- Cross-Listed Courses

---

**Date Signed:**
- 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: 
- West Lafayette Registrar: 

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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.

- [ ] 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**:

- **Subject Abbreviation**: ME
- **Course Number**: 588
- **Long Title**: Mechatronics - Integrated Design of Electro-Mechanical Systems
- **Short Title**: Mechatronics

**EXISTING**:

- **Subject Abbreviation**
- **Course Number**
- **Course Title**

**TERMS OFFERED**

- Check All That Apply:
  - [ ] Summer
  - [ ] Fall
  - [ ] Spring

**CAMPUS(ES) INVOLVED**

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

**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

**INSTRUCTIONAL TYPE**

- Lecture:
  - Minutes Per Min:
  - Meetings Per Week:
- Recitation:
- Presentation:
- Laboratory:
  - Minutes Per Min:
  - Meetings Per Week:
- Studio:
- Distance:
- Clinic:
- Experiential:
- Research:
- Ind. Study:
- Pract/Observ:

**COURSE ATTRIBUTES**

- 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

**COURSE DESCRIPTION (INCLUDE REQUIREMENTS)**

- [ ]

**Cross-Listed Courses**

- [ ]

**OFFICE OF THE REGISTRAR**
TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

DATE: April 2, 2007

RE: ME 586-ME 588 Changes

The Faculty of the School of Mechanical Engineering has approved the following changes in semester offerings. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM:
ME 586 Microprocessors in Electromechanical Systems Sem. 2. Class 2, lab 3, cr. 3. Prerequisite: Senior standing or consent of instructor.

ME 588 Mechatronics- Integrated Design of Electromechanical Systems Sem. 1. Class 2, lab 3, cr. 3. Prerequisite: First semester senior standing or higher.

TO:
ME 586 Microprocessors in Electromechanical Systems Sem. 1. Class 2, lab 3, cr. 3. Prerequisite: ME 375 or consent of instructor.

ME 588 Mechatronics- Integrated Design of Electromechanical Systems Sem. 2. Class 2, lab 3, cr. 3. Prerequisite: ME 586 (or equivalent course) or consent of instructor.

REASON: Profs. Meckl and Peine want to make ME 586 and ME 588 a two-semester sequence where ME 588 builds off of the fundamental knowledge from ME 586. ME 586 will be offered in fall and ME 588 will be switched to spring. ME 586 (or an equivalent course) will become the standard prerequisite for ME 588, although the instructor can give their consent to take the course without it. ME 375 Systems Modeling and Analysis will become the standard prerequisite for ME 586, although the instructor can give their consent to take the course without it.

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

[Signature]

ECC Minutes 4/1

Date 10-15-07

Chairman ECC [Signature]
TO: The Engineering Faculty

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ME 588 Mechatronics- Integrated Design of Electromechanical Systems Sem. 2. Class 2, lab 3, cr. 3. Prerequisite: ME 586 (or equivalent course) or consent of instructor.

REASON: The ME faculty want to make ME 586 and ME 588 a two-semester sequence where ME 588 builds off of the fundamental knowledge from ME 586. ME 586 will be offered in fall and ME 588 will be switched to spring. ME 586 (or an equivalent course) will become the standard prerequisite for ME 588, although the instructor can give their consent to take the course without it. ME 375 Systems Modeling and Analysis will become the standard prerequisite for ME 586, although the instructor can give their consent to take the course without it.

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