**PURDUE UNIVERSITY**

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

(50000-60000 LEVEL)

**DEPARTMENT** School of Aeronautics & Astronautics  
**EFFECTIVE SESSION** Spring 2011

**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/ype

**PROPOSED:**

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>Subject Abbreviation</th>
<th>AAE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Number</td>
<td>Course Number</td>
<td>68400</td>
</tr>
<tr>
<td>Long Title</td>
<td>Design of Dynamic Systems: Applications to Controllable Structures</td>
<td></td>
</tr>
<tr>
<td>Short Title</td>
<td>Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)</td>
<td></td>
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</tbody>
</table>

**EXISTING:**

1. Pass/No Pass Only  
2. Satisfactory/Unsatisfactory Only  
3. Repeatable  
4. Credit by Examination  
5. Special Fees  
6. Registration Approval Type  
7. Course Attributes: Check All That Apply

**COURSE ATTRIBUTES:** Check All That Apply

- Pass/No Pass Only
- Satisfactory/Unsatisfactory Only
- Repeatable
- Credit by Examination
- Special Fees
- Registration Approval Type

**CREDITS TYPE:**

1. Fixed Credit  
2. Variable Credit Range  
3. Equivalent Credit  
4. Thesis Credit

**TERMS OFFERED:**

- Fall
- Spring
- Summer

**CAMPUS(ES) INVOLVED:**

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

- Indianapolis

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**

<table>
<thead>
<tr>
<th>Schedule Type</th>
<th>Minutes Per Mtr</th>
<th>Meetings Per Week</th>
<th>Weeks Offered</th>
<th>% of Credit Allocated</th>
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</thead>
<tbody>
<tr>
<td>Lecture</td>
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<td>Laboratory</td>
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<td>Lab Prep</td>
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<td>Distance</td>
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<td>Clinic</td>
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<td>Experiential</td>
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<td>Research</td>
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<td>Ind. Study</td>
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<tr>
<td>Pract/Observ</td>
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</tbody>
</table>

**Cross-Listed Courses:**

- 2011-JAN-26  
- AM 09:00

**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

**Indianapolis Undergrad Curriculum Committee**

- Date

**North Central Department Head**

- Date

**North Central School Dean**

- Date

**North Central Chancellor**

- Date

**West Lafayette Department Head**

- Date

**West Lafayette School Dean**

- Date

**West Lafayette Undergrad Curriculum Committee**

- Date

**Graduate Council**

- Date

**West Lafayette Registrar**

- Date

**Office of the Registrar**
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A GRADUATE COURSE
(50000-60000 LEVEL)

DEPARTMENT: School of Aeronautics & Astronautics
EFFECTIVE SESSION: Spring 2011

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☐ 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

PROPOSED:
Subject Abbreviation: AAE
Course Number: 68400
Long Title: ________________________________
Short Title: _______________________________

EXISTING:
Subject Abbreviation: AAE
Course Number: 68400

TERMS OFFERED:
Check All That Apply:
☐ Fall ☒ Spring ☐ Summer

CAMPUS(ES) INVOLVED:
Calumet
Cont Ed
Ft. Wayne
Indiana
Statewide
W. Lafayette

ABBREVIATED TITLE WILL BE ENTERED BY THE OFFICE OF THE REGISTRAR IF OMITTED. (20 CHARACTERS ONLY)

CREDIT TYPE
1. Fixed Credit: Cr. Hrs. __________________________
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
4. Credit by Examination
5. Special Fees
6. Registration Approval Type
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

Schedule Type
Lecture
Recitation
Presentation
Laboratory
Lab Prep
Studio
Distance
Clinic
Experiential
Research
Ind. Study
Pract/Obser

Minutes
Per Min
Meetings
Per Week
Weeks
Offered
% of Credit
Allocated

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

Office of the Registrar

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 11/30/2010

Indiana Department Head Date
Indiana School Dean Date
Undergraduate Curriculum Committee Date

North Central Department Head Date
North Central School Dean Date
Date Approved by Gradute Council

West Lafayette Department Head Date
West Lafayette College/School Dean Date
Graduate Council Secretary Date

Graduate Area Committee Convener Date
Graduate Dean Date
West Lafayette Registrar Date
TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Aeronautics and Astronautics

RE: Deletion of AAE 68400

The faculty of the School of Aeronautics and Astronautics has approved the deletion of the following course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

AAE 68400 Design of Dynamic Systems; Applications to Controllable Structures
Sem. 2, Class 3, Cr. 3
Prerequisite: AAE 50700, 56400

Iterative algorithms are developed to: (1) choose the location and accuracy of sensors and actuators for controlled structures; (2) choose an appropriate model of the structure for control design; (3) choose the word length for A/D and D/A converters, and control processor; and (4) choose appropriate values for the free design parameters within the structure.

Reason:
The course has not been taught for an extended period of time and content is included in currently offered courses. Course has been deleted from the curriculum.

______________________________
Tom I-P. Shih, Professor and Head
School of Aeronautics & Astronautics

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

ECC Minutes 4
Date 10/19/10
Chairman ECC B. Cipra