**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.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>New course with supporting documents (complete proposal form)</td>
</tr>
<tr>
<td>2.</td>
<td>Add existing course offered at another campus</td>
</tr>
<tr>
<td>3.</td>
<td>Expiration of a course</td>
</tr>
<tr>
<td>4.</td>
<td>Change in course number</td>
</tr>
<tr>
<td>5.</td>
<td>Change in course title</td>
</tr>
<tr>
<td>6.</td>
<td>Change in course credit/grade</td>
</tr>
<tr>
<td>7.</td>
<td>Change in course attributes</td>
</tr>
<tr>
<td>8.</td>
<td>Change in instructional hours</td>
</tr>
<tr>
<td>9.</td>
<td>Change in course description</td>
</tr>
<tr>
<td>10.</td>
<td>Change in course requisites</td>
</tr>
<tr>
<td>11.</td>
<td>Change in semesters offered</td>
</tr>
<tr>
<td>12.</td>
<td>Transfer from one department to another</td>
</tr>
</tbody>
</table>

**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>55700</td>
</tr>
<tr>
<td>Long Title</td>
<td>Inelastic Behavior of Materials and Structures</td>
<td></td>
</tr>
<tr>
<td>Short Title</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXISTING**:

- Abbreviated title will be entered by the Office of the Registrar if omitted. (50 CHARACTERS ONLY)

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

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
</table>

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

**CREDITS TYPE**:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fixed Credit: Cr. Hrs.</td>
<td></td>
</tr>
<tr>
<td>2. Variable Credit Range: Minimum Cr. Hrs (Check One)</td>
<td>To Or</td>
</tr>
<tr>
<td>Maximum Cr. Hrs.</td>
<td></td>
</tr>
<tr>
<td>3. Equivalent Credit: Yes</td>
<td>No</td>
</tr>
<tr>
<td>4. Thesis Credit: Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**Course Description**

- **COURSE ATTRIBUTES**: Check All That Apply
  - 1. Pass/No Pass Only
  - 2. Satisfactory/Unsatisfactory Only
  - 3. Repeatable
  - 4. Credit by Examination
  - 5. Special Fees
  - 6. Registration Approval Type (Department)
  - 7. Instructor
  - 8. Offered By
  - 9. Full Time Privilege
  - 10. Off Campus Experience

**Cross-Listed Courses**

**OFFICE OF THE REGISTRAR**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Calumet Department Head</td>
<td>Date</td>
</tr>
<tr>
<td>Fort Wayne Department Head</td>
<td>Date</td>
</tr>
<tr>
<td>Indianapolis Department Head</td>
<td>Date</td>
</tr>
<tr>
<td>North Central Department Head</td>
<td>Date</td>
</tr>
<tr>
<td>West Lafayette Department Head</td>
<td>Date</td>
</tr>
<tr>
<td>Juab Area Committee Convener</td>
<td>Date</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Calumet School Dean</td>
<td>Date</td>
</tr>
<tr>
<td>Fort Wayne School Dean</td>
<td>Date</td>
</tr>
<tr>
<td>Indianapolis School Dean</td>
<td>Date</td>
</tr>
<tr>
<td>North Central School Dean</td>
<td>Date</td>
</tr>
<tr>
<td>West Lafayette College/School Dean</td>
<td>Date</td>
</tr>
<tr>
<td>Graduate Dean</td>
<td>Date</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Calumet Undergrad Curriculum Committee</td>
<td>Date</td>
</tr>
<tr>
<td>Fort Wayne Chancellor</td>
<td>Date</td>
</tr>
<tr>
<td>Undergrad Curriculum Committee</td>
<td>Date</td>
</tr>
<tr>
<td>Date Approved by Graduate Council</td>
<td></td>
</tr>
<tr>
<td>West Lafayette Registrar</td>
<td>Date</td>
</tr>
</tbody>
</table>
**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 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>
<th>AAE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Number</td>
<td>Course Number</td>
<td>55700</td>
</tr>
<tr>
<td>Long Title</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short Title</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**TERMS OFFERED**

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

**CAMPUS(ES) INVOLVED**

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

**CREDIT TYPE**

1. Fixed Credit: Cr. Hrs.  
2. Variable Credit Range: (Check One)  
   - Minimum Cr. Hrs.  
   - Maximum Cr. Hrs.  
3. Equivalent Credit: Yes  
4. Thesis Credit: Yes  

**COURSE ATTRIBUTES:** Check All That Apply

- 1. Pass/Not Pass Only  
- 2. Satisfactory/Unsatisfactory Only  
- 3. Repeatable Maximum Repeatability Credit:  
- 4. Credit by Examination  
- 5. Special Fees  
- 6. Registration Approval Type (Check One)  
- 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/Observe

<table>
<thead>
<tr>
<th>Minutes Per Mth</th>
<th>Meetings Per Week</th>
<th>Weeks Offered</th>
<th>% of Credit Allocated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**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**

**Indianapolis Department Head**  
**Date**  

**Indianapolis School Dean**  
**Date**  

**Undergrad Curriculum Committee**  
**Date**

**North Central Department Head**  
**Date**  

**North Central School Dean**  
**Date**

**Date Approved by Graduate Council**  
**Date Approved by Graduate Council**

**West Lafayette Department Head**  
**Date**

**Michael E. Trahan**  
**11/10/2010**

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

**Graduate Council Secretary**  
**Date**

**Graduate Area Committee Convenor**  
**Date**

**Graduate Dean**  
**Date**

**West Lafayette Registrar**  
**Date**

**OFFICE OF THE REGISTRAR**
TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Aeronautics and Astronautics

RE: Deletion of AAE 55700

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 55700 Inelastic Behavior of Materials and Structures
Sem. 2, Class 3, Cr. 3.
Prerequisite: consent of instructor

Yield criterion; stress-strain relations of plasticity; limit analysis and applications to structures; plane strain, slipline fields, applications to metal forming processes; plane stress, field of characteristics; viscoelastic models, their interrelation and associated constitutive equations; applications to boundary value problems.

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