### Purdue University

**Request for Addition, Deletion, or Revision of a Course**

**Reference:**
- **School Document No.** 4-04
- **Graduate Council Document No.** 05-18

**Department:** Aeronautics & Astronautics

**Date Submitted:** 01/26/05  
**Date Effective:** Spr 2006

#### Instructions
- Please check the items below which describe the purpose of this request.

#### Purpose
- 1. Deletion of a course
- 2. New course with supporting documents
- 3. Add existing course offered at another campus
- 4. Change in course number at same level
- 5. Downgrading of course level
- 6. Upgrading of course level
- 7. Change in course title
- 8. Change in semesters offered
- 9. Change in course credit type
- 10. Change in course attributes
- 11. Change in instructional hours
- 12. Change in prerequisites
- 13. Change in description of course content
- 14. Transfer of course from one department to another

### Existing

**Subject Abbreviation:** AAE  
**Course Number:** 535

**Proposed Title:** Propulsion Design, Build, Test

**Variable Title:** Yes  
**No**

**Abbreviated Title:** Propulsion DBT

#### Cross Listed Courses

<table>
<thead>
<tr>
<th>Credit Type</th>
<th>Instructional Type</th>
<th>Class</th>
<th>FTE</th>
<th>Class</th>
<th>FTE</th>
<th>Instructional Type</th>
<th>Class</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Fixed Credit: Cr, Hrs.</em> 3</td>
<td>PRIMARY</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>SECONDARY</td>
<td></td>
<td></td>
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</tbody>
</table>
| *Variable Credit Range:*
| Minimum Cr. Hrs. | (Check One) To | Maximum Cr. Hrs. | Or |
| | | | |
| *Equivalent Credit:* Yes | No | | |
| *Thesis Credit:* Yes | No | | |

**COURSE ATTRIBUTES:**
- 1. Pass/Not Pass Only
- 2. Repeatable for Credit
- 3. Available for Credit by Examination
- 4. Designator Required
- 5. Special Fees
- 6. Approval Required for Enrollment

**Department:**  
**Instructor:**

### Course Description

Intensive one-semester treatment of the aerospace propulsion component development process. Derivation of design requirements from mission objectives to detailed components; the design process. Standard methods for thermostructural, life, performance, and combustion stability design analysis; combustor design. Experimental procedures; fabrication; test. Special topics according to student interest. Professor Anderson.

### Approval Process

- **Calumet Undergrad Curriculum Committee:** Date
- **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 Vice Chancellor:** Date
- **West Lafayette Department Head:** Date
- **West Lafayette School Dean:** Date
- **Graduate Area Committee Convener:** Date
- **Graduate Dean:** Date
- **West Lafayette Registrar:** Date

**APPROVED 4/21/05**

**Office of the Registrar:**

**MAY 31 2005**