### Purpose
- Deletion of a course
- New course with supporting documents
- Add existing course offered at another campus
- Change in course number at same level
- Downgrading of course level
- Upgrading of course level
- Change in course title
- Change in semesters offered
- Change in course credit type
- Change in course attributes
- Change in instructional hours
- Change in prerequisites
- Change in description of course content
- Transfer of course from one dept. to another

### Existing
- Subject Abbreviation: AAE
- Course Number: 551
- Proposed Title: Design Theory and Methods for Aerospace Systems
- Abbreviated Title: Des Theo Meth Aero Sys
- Abbreviated title will be entered by the Office of the Registrar if omitted.

### Proposed
- Subject Abbreviation: AAE
- Course Number: 551

### Semesters Offered
- Check All That Apply: √ Spring

### Cross Listed Courses

<table>
<thead>
<tr>
<th>Instructional Class</th>
<th>FTE</th>
<th>Instructional Type</th>
<th>Type</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>Primary</td>
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<td>3</td>
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<td></td>
<td></td>
<td>Secondary</td>
<td>Auto-tutorial</td>
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<td>Laboratory</td>
<td>Ind. Study</td>
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<td></td>
<td>Lab Prep.</td>
<td>Clinic</td>
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</tr>
</tbody>
</table>

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

### Campus(es) Involved
- Calumet
- Fort Wayne
- Indianapolis
- North Central
- West Lafayette
- Off Campus

### Course Description (Prerequisites Included)
AAE 551/Design Theory and Methods for Aerospace Systems
Sem 1. Class 3, cr 3. Prerequisite: undergraduate design course.

Introduction to design theory, aerospace design process, design specification and requirements, concept generation and selection, design decomposition, improving designs, process design, concurrent engineering. Design for assembly / manufacture. Projects allow for application and critical analysis of design methods. 

L and Professor Crossley.