### INSTRUCTIONS:

1. New course with supporting documents
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

### PROPOSED:

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>Course Number</th>
<th>Long Title</th>
<th>Short Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE</td>
<td>545</td>
<td>Design of Off-Highway Vehicles</td>
<td>Dsgn Off-Highway Veh</td>
</tr>
</tbody>
</table>

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

### CREDIT TYPE

<table>
<thead>
<tr>
<th>1. Fixed Credit: Cr. Hrs</th>
<th>3</th>
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</thead>
<tbody>
<tr>
<td>2. Variable Credit Range:</td>
<td></td>
</tr>
<tr>
<td>Minimum Cr. Hrs (Check One)</td>
<td>O</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 ATTRIBUTES:

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Credit by Examination
5. Designator Required
6. Special Fees

### TERMS OFFERED

- Summer
- Fall
- Spring

### CAMPUS(E)S INVOLVED

- Calumet
- Fort Wayne
- Indianapolis
- W.Lafayette
- Cont Ed
- Tech Statewide

### COURSE DESCRIPTION (INCLUDE REQUISITES):

Problems associated with the design of off-highway vehicles, with special emphasis on farm and industrial tractors and self-propelled machines; application of soil mechanics to traction; dynamic behavior of the tractor chassis, power transmission, control systems; human factors; testing and evaluation of performance.
TO: Engineering Faculty

FROM: The Faculty of Agricultural and Biological Engineering

RE: Change of Semester Offering for ABE 545

The faculty of the Department of Agricultural and Biological Engineering has approved the following course change. This action is now submitted to the Engineering Faculty with a recommendation for approval.

**ABE 545 – Design of Off-Highway Vehicles**

**From:** Sem. 2, class 2, lab 2, cr. 3
Prerequisite: ABE 330.

**To:** Sem. 1, class 2, lab 2, cr. 3
Prerequisite: ABE 330.

Problems associated with the design of off-highway vehicles, with special emphasis on farm and industrial tractors and self-propelled machines; application of soil mechanics to traction; dynamic behavior of the tractor chassis, power transmission, control systems; human factors; testing and evaluation of performance.

**Reason:** By changing semesters, the course fits in student’s plan of study in better sequence in accordance with other courses required.

**APPROVED FOR THE FACULTY**
**OF THE SCHOOLS OF ENGINEERING**
**BY THE COMMITTEE ON**
**FACULTY RELATIONS**

CFR Minutes 1001

Date 3-7-05

Bernie A. Engel
Interim Head, Department of Agricultural and Biological Engineering

Chairman CFR