

DEPARTMENT Agricultural and Biological Engineering

EFFECTIVE SESSION Spring 2005

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- | | |
|---|---|
| <input type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes |
| <input type="checkbox"/> 2. Add existing course offered at another campus | <input type="checkbox"/> 8. Change in instructional hours |
| <input type="checkbox"/> 3. Expiration of a course | <input type="checkbox"/> 9. Change in course description |
| <input type="checkbox"/> 4. Change in course number | <input type="checkbox"/> 10. Change in course requisites |
| <input type="checkbox"/> 5. Change in course title | <input checked="" type="checkbox"/> 11. Change in semesters offered |
| <input type="checkbox"/> 6. Change in course credit/type | |

PROPOSED:

Subject Abbreviation _____
Course Number _____

EXISTING:

Subject Abbreviation ABE
Course Number 545

TERMS OFFERED
Check All That Apply:
Summer Fall Spring

Long Title Design of Off-Highway Vehicles

Short Title Dsgn Off-Highway Veh

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

CAMPUS(ES) INVOLVED
Calumet Fort Wayne
Indianapolis N. Central
W.Lafayette Cont Ed
Tech Statewide

CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 3
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
Maximum repeatable credit: _____
4. Credit by Examination
5. Designator Required
6. Special Fees

7. Registration Approval Type
Department NONE Instructor
8. Variable Title
9. Remedial
10. Honors
11. Full Time Privilege
12. Off Campus Experience

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture	<u>50</u>	<u>2</u>	<u>15</u>			
Recitation			<u>16</u>			
Presentation						
Laboratory	<u>110</u>	<u>1</u>	<u>15</u>			
Lab Prep	<u>100</u>		<u>16</u>			
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

*Minutes per Lecture 2/2/05
Whitaker*

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.

Calumet Undergrad Curriculum Committee	Date	Calumet Department Head	Date	Calumet School Dean	Date
Fort Wayne Department Head	Date	Fort Wayne School Dean	Date	Fort Wayne Chancellor	Date
Indianapolis Department Head	Date	Indianapolis School Dean	Date	<u>Robert Montgomery</u> 6/1/05	Date
North Central Department Head	Date	North Central Chancellor	Date	Date Approved by Graduate Council	
<u>Jerman</u>	<u>4/7/05</u>	<u>John A. Jani</u>	<u>6/7/05</u>	Graduate Council Secretary	Date
West Lafayette Department Head	Date	West Lafayette School Dean	Date	West Lafayette Registrar	Date
Graduate Area Committee Convener	Date	Graduate Dean	Date		

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 3-1-05

Chairman CFR Robert Elmontgomery

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

