

DEPARTMENT Agricultural and Biological Engineering

DATE SUBMITTED 5/9/01

DATE EFFECTIVE Summer '01

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

PURPOSE

- | | |
|---|---|
| <input type="checkbox"/> 1. Deletion of a course | <input type="checkbox"/> 8. Change in semesters offered |
| <input type="checkbox"/> 2. New course with supporting documents | <input type="checkbox"/> 9. Change in course credit/type |
| <input type="checkbox"/> 3. Add existing course offered at another campus | <input type="checkbox"/> 10. Change in course attributes |
| <input type="checkbox"/> 4. Change in course number at same level | <input type="checkbox"/> 11. Change in instructional hours |
| <input type="checkbox"/> 5. Downgrading of course level | <input checked="" type="checkbox"/> 12. Change in prerequisites |
| <input type="checkbox"/> 6. Upgrading of course level | <input type="checkbox"/> 13. Change in description of course content |
| <input type="checkbox"/> 7. Change in course title | <input type="checkbox"/> 14. Transfer of course from one dept. to another |

EXISTING:

Subject Abbreviation ABE
Course Number 435

PROPOSED:

Subject Abbreviation ABE
Course Number 435

SEMESTERS OFFERED

Check All That Apply.
Summer Fall Ag Winter Spring

Proposed Title Hydraulic Control Systems for Mobile Equipment

Variable Title Yes No

Abbreviated Title Hyd Ctrl Sys Mobile Eq

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

CROSS LISTED COURSES

CREDIT TYPE

- Fixed Credit: Cr. Hrs. 3
- Variable Credit Range:
Minimum Cr. Hrs. _____
(Check One) To _____ Or _____
Maximum Cr. Hrs. _____
- Equivalent Credit: Yes No
- Thesis Credit: Yes No

COURSE ATTRIBUTES: Check All That Apply.

- Pass/Not Pass Only
- Repeatable for Credit
- Available for Credit by Examination
- Designator Required
- Special Fees
- Approval Required for Enrollment
Department _____
Instructor _____

| Instructional Type | Class Hours | FTE | Instructional Type | Class Hours | FTE | Instructional Type | Class Hours | FTE | CAMPUS(ES) INVOLVED |
|--------------------|-------------|-----|--------------------|-------------|-----|--------------------|-------------|-----|--|
| Primary | <u>2</u> | | Auto-tutorial | | | Thesis | | | Calumet <input type="checkbox"/> |
| Secondary | | | Ind. Study | | | Observation | | | Fort Wayne <input type="checkbox"/> |
| Laboratory | <u>2</u> | | Clinic | | | Mats Based | | | Indianapolis <input type="checkbox"/> |
| Lab. Prep. | | | Experiential | | | | | | North Central <input type="checkbox"/> |
| | | | | | | | | | West Lafayette <input checked="" type="checkbox"/> |
| | | | | | | | | | Off Campus <input type="checkbox"/> |

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Sem. 1. Class 2, lab. 2, cr. 3. Prerequisite: CE 340 and CE 343 or ME 309.
Design of basic fluid power components and systems. Includes power steering, hydrostatic and hydromechanical transmission, electrohydraulic servovalves, servomechanism, and manually controlled systems.

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|--|------|-------------------------------|------|-----------------------------------|---------|
| 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 | Appr. for Faculty | #944 |
| North Central Department Head | Date | North Central Vice-Chancellor | Date | C.D. Sutton, Chair | 2/14/01 |
| West Lafayette Department Head | Date | West Lafayette School Dean | Date | Undergrad Curriculum Committee | Date |
| Graduate Area Committee Convener | Date | Graduate Dean | Date | Date Approved by Graduate Council | |
| | | | | Graduate Council Secretary | Date |
| | | | | West Lafayette Registrar | Date |