PURDUE UNIVERSITY
REQUEST FOR ADDITION, DELETION,
OR REVISION OF A COURSE

SCHOOL DOCUMENT NO.

GRADUATE COUNCIL DOCUMENT NO.

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

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 dept. to another

EXISTING:

Subject Abbreviation ABE
Course Number 210

PROPOSED:

Subject Abbreviation ABE
Course Number 210

Proposed Title Biological Applications of Material and Energy Balances
Abbreviated Title Biol App Mat Energ Bal

SEMESTERS OFFERED

Check All That Apply.

Summer Fall Ag Winter Spring
Yes No

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

CROSS LISTED COURSES

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: Check All That Apply.

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

Instructor

CAMPUS(ES) INVOLVED

Calumet
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Sem. 2. Class 3 cr. 3. Prerequisite: CHM 116, CS 152 or CS 156, PHYS 152, or equivalent.

Applications of material and energy balances to biological and engineering systems; development of a framework for the analysis of biological systems from an engineering perspective. Introduction to applications of the first and second laws of thermodynamics to biological and mechanical engineering systems. Topics include refrigeration systems, power cycles, energy conversion systems, and environmental impacts of energy production.

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 #944
Appr. for Faculty C. B. Sutton, Chair 2/14/01

Indianapolis Department Head Date
Indianapolis School Dean Date
Undergrad Curriculum Committee Date

North Central Department Head Date
North Central Vice Chancellor 5/10/07

West Lafayette Department Head Date
West Lafayette School Dean 2/7/01

Graduate Area Committee Convener Date
Graduate Dean Date
West Lafayette Registrar 7/6/01

OFFICE OF THE REGISTRAR