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

DEPARTMENT: Agricultural and Biological Engineering
DATE SUBMITTED: 11-06-03
DATE EFFECTIVE: Spr. 2004

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: 556

PROPOSED:

Subject Abbreviation
Course Number

Proposed Title: Biological and Food Process Design
Variable Title: Yes

Abbreviated Title: BIOL & FOOD PRO DESIGN
Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

CROSS LISTED COURSES

CREDIT TYPE
1. Fixed Credit: Cr. Hrs. 4
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/No Pass Only
2. Repeatable for Credit
3. Available for Credit by Examination
4. Designator Required
5. Special Fees
6. Approval Required for Enrollment
7. Approval Required for Instructor

INSTRUCTIONAL TYPE

Primary Laboratory
Secondary Laboratory
Lab. Prep.

FTE
Instructional Type
Auto-tutorial
Ind. Study
Clinic
Experiential

CAMPUS(ES) INVOLVED

Column
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Prerequisite: ABE 555 or consent of instructor.

The course will focus on the synthesis, creation, evaluation and optimization of a preliminary process design to convert basic biological materials into a finished product. Concepts of materials and energy balances, thermodynamics, kinetics, transport phenomena of biological systems will be used to design processes to minimize energy and environmental impacts, and evaluate economic factors while maintaining product quality. Group projects, written and oral reports.

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
Undergrad Curriculum Committee Date

North Central Department Head Date
North Central Vice Chancellor Date
Date Approved by Graduate Council

West Lafayette Department Head Date
West Lafayette School Dean Date
Graduate Council Secretary Date

Graduate Area Committee Convener Date
Graduate Dean Date
West Lafayette Registrar Date

OFFICE OF THE REGISTRAR