

DEPARTMENT Agricultural & Biological Engineering

DATE SUBMITTED May 8, 2003 DATE EFFECTIVE Fall 2003

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

PURPOSE

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

EXISTING:

PROPOSED:

SEMESTERS OFFERED

Subject Abbreviation Course Number  
 Subject Abbreviation **ABE** Course Number **303**  
 Proposed Title **Applications of Physical Chemistry to Biological Processes**  
 Variable Title Yes No  
 Abbreviated Title **Apl Phys Chem Biol Proc**  
 Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

Check All That Apply.  
 Summer Fall Ag Winter Spring  
 ✓

CROSS LISTED COURSES

CREDIT TYPE

COURSE ATTRIBUTES: Check All That Apply.

- 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

- 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			Auto-tutorial			Thesis			Calumet
Secondary			Ind. Study			Observation			Fort Wayne
Laboratory			Clinic			Mats Based			Indianapolis
Lab. Prep.			Experiential						North Central
									West Lafayette
									Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

PREREQUISITE: ABE 210, CHM 257 and Co-REQUISITE: CHE 377 or consent of instructor  
 Physical chemical principles associated with transport of mass, momentum and energy in bioprocesses. Principles for measuring physical chemical properties, a description of predictive equations for their evaluation and the role of these principles in the design and optimization of bioprocesses.

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

*5-9-03* *6/16/03* *2/17/04*

*Robert Montgomery* *2/17/04*

*Debra Sheetz*