TO: The Faculty of the College of Engineering  
FROM: The Faculty of Agricultural and Biological Engineering  
RE: Deletion of ABE 55600

The faculty of the Department of Agricultural and Biological Engineering have approved the deletion of the following course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

ABE 55600 Biological and Food Process Design  
Sem 1. Class 3, Lab 2, Cr. 4  
Prerequisites: CHE 37800

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.

Reason: This course will be replaced by ABE 55800 (credits) which will include the most essential information from ABE 55600. The reduction in course content and credit hours will help the Department meet the 128 credit constraint for the Biological Engineering plan of study.

Bernard A. Engel, Professor and Head  
Agricultural and Biological Engineering Department

APPROVED FOR THE FACULTY  
OF THE SCHOOLS OF ENGINEERING  
BY THE ENGINEERING  
CURRICULUM COMMITTEE  

ECC Minutes #13  
Date 5/10/2013  
Chairman ECC
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

DEPARTMENT: Agricultural and Biological Engineering
EFFECTIVE SESSION: Spring 2013

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

☐ 1. New course with supporting documents
☐ 2. Add existing course offered at another campus
☐ 3. Expiration of a course
☐ 4. Change in course number
☐ 5. Change in course title
☐ 6. Change in course credit/type
☐ 7. Change in course attributes (department head signature only)
☐ 8. Change in instructional hours
☐ 9. Change in course description
☐ 10. Change in course requisites/restrictions
☐ 11. Change in semesters offered (department head signature only)
☐ 12. Transfer from one department to another

PROPOSED:
Subject Abbreviation: ABE
Course Number: 55600
Long Title: Biological and Food Process Design
Short Title: Biological and Food Process Design

EXISTING:
Subject Abbreviation: ABE
Course Number: 55600
Long Title: Biological and Food Process Design
Short Title: Biological and Food Process Design

TERMS OFFERED:
Check All That Apply:
☒ Fall ☐ Spring ☐ Summer

CAMPUS(ES) INVOLVED:
☒ Calumet ☐ N. Central
☐ Cont Ed ☐ Tech Statewide
☐ Ft. Wayne ☒ W. Lafayette
☐ Indianapolis

Abreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

CREDIT TYPE
1. Fixed Credit: Cr. Hrs.: 4
2. Variable Credit Range: (Check One)
   ☐ Minimum Cr. Hrs: To ☐ Maximum Cr. Hrs: ☐
3. Equivalent Credit: Yes ☐ No ☒

COURSE ATTRIBUTES:
Check All That Apply
☐ 1. Pass/No Pass Only
☐ 2. Satisfactory/Unsatisfactory Only
☐ 3. Repeatable
☐ 4. Credit by Examination
☐ 5. Special Fees
☐ 6. Registration Approval Type
☐ 7. Variable Title
☐ 8. Honors
☐ 9. Full Time Privilege
☐ 10. Off Campus Experience

SCHEDULE TYPE
Lecture:
Presentation:
Laboratory:
Lab Prep:
Studio:
Distance:
Clinic:
Experimental:
Research:
Ind. Study:
Pract/Observe:

Cross-Listed Courses

Schedule Type Minutes Per Mtg Meetings Per Week Weeks Offered % of Credit Allocated

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

COURSE LEARNING OUTCOMES:

Calumet Department Head Date
Calumet School Dean Date

Fort Wayne Department Head Date
Fort Wayne School Dean Date

Indianapolis Department Head Date
Indianapolis School Dean Date

North Central Faculty Senate Chair Date
Vice Chancellor for Academic Affairs Date

West Lafayette Department Head Date
West Lafayette College/School Dean Date
West Lafayette Registrar Date

OFFICE OF THE REGISTRAR