TO: The Faculty of the College of Engineering

FROM: The School of Chemical Engineering

RE: Change to Existing Undergraduate Course, CHE 43500 description

The faculty of the School of Chemical Engineering has approved the change in course description for the course listed below. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM: CHE 43500 Chemical Engineering Laboratory

Quantitative experimental study of projects involving problems in fluid mechanics and heat and mass transfer or operation and evaluation of equipment; projects include analysis and data-based design of operations involving mass transfer such as distillation, absorption, extraction, drying, humidification, etc; study of rates and equilibria in simple chemical reaction systems; study of chemical processes; application of methods of data analysis in practice; some library work; emphasis on group work, report writing, and oral communication.

TO: CHE 43500 Chemical Engineering Laboratory

Quantitative experimental study of projects involving problems in fluid mechanics and heat and mass transfer or operation and evaluation of equipment; projects include analysis and data-based design of operations involving mass transfer such as distillation, absorption, drying, humidification, etc; study of rates and equilibria in simple chemical reaction systems; study of chemical processes; application of methods of data analysis in practice; some library work; emphasis on group work, report writing, and oral communication.

REASON: The current course description does not adequately represent the CHE 43500 course. The new course description has been changed to reflect the updated content of the course.

Signed

Arvind Varma, Jay and Cynthia Ihlenfeldt Head
School of Chemical Engineering

Approved for the faculty of the Schools of Engineering by the Engineering Curriculum Committee

ECO Minutes Date 11/20/15
Chairman ECO
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

DEPARTMENT: School of Chemical Engineering  EFFECTIVE SESSION: Spring 2016

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
11. Change in semesters offered (department head signature only)
12. Transfer from one department to another

PROPOSED:

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
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<th>CHE</th>
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<td>Course Number</td>
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EXISTING:

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TERMS OFFERED: Check All That Apply

- Summer
- Fall
- Spring

CAMPUS(ES) INVOLVED

- Calumet
- N. Central
- Cont Ed
- Tech Statewide
- Ft. Wayne
- W. Lafayette
- Indianapolis

Long Title: Chemical Engineering Laboratory
Short Title: Chemical Engineering Laboratory

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

CREDIT TYPE:

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<th>Credit Type</th>
<th>Course Attributes</th>
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<tr>
<td>1. Fixed Credit: Cr. Hrs.</td>
<td>1. Pass/Not Pass Only</td>
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<tr>
<td>2. Variable Credit Range: Minimum Cr. Hrs</td>
<td>2. Satisfactory/Unsatisfactory Only</td>
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<tr>
<td>(Check One) To</td>
<td>3. Repeatable</td>
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<tr>
<td>Maximum Cr. Hrs</td>
<td>Maximum Repeatable Credit:</td>
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<td>Equivalent Credit:</td>
<td>4. Credit by Examination</td>
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<td>5. Fee</td>
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<tr>
<td>No</td>
<td>6. Registration Approval Type</td>
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<tr>
<td>Yes</td>
<td>7. Variable Title</td>
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<tr>
<td>No</td>
<td>8. Honors</td>
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<tr>
<td>Yes</td>
<td>9. Full Time Privilege</td>
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<tr>
<td>No</td>
<td>10. Off-Campus Experience</td>
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Include comment to explain fee

Schedule Type:

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<th>Radiation</th>
<th>Presentation</th>
<th>Laboratory</th>
<th>Lab Prep</th>
<th>Studio</th>
<th>Distance</th>
<th>Clinic</th>
<th>Experiential</th>
<th>Research</th>
<th>Ind. Study</th>
<th>Pract/Observ</th>
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% of Credit:

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% of Credit:

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Cross-Listed Courses:

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

Quantitative experimental study of projects involving problems in fluid mechanics and heat and mass transfer or operation and evaluation of equipment; projects include analysis and data-based design of operations involving mass transfer such as distillation, absorption, drying, humidification, etc; study of rates and equilibria in simple chemical reaction systems; study of chemical processes; application of methods of data analysis in practice; some library work; emphasis on group work, report writing, and oral communication.

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