

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

DEPARTMENT Chemical Engineering

EFFECTIVE SESSION 2/05

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

- | | |
|---|---|
| <input type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes |
| <input type="checkbox"/> 2. Add existing course offered at another campus | <input type="checkbox"/> 8. Change in instructional hours |
| <input type="checkbox"/> 3. Expiration of a course | <input type="checkbox"/> 9. Change in course description |
| <input type="checkbox"/> 4. Change in course number | <input checked="" type="checkbox"/> 10. Change in course requisites |
| <input type="checkbox"/> 5. Change in course title | <input type="checkbox"/> 11. Change in semesters offered |
| <input type="checkbox"/> 6. Change in course credit/type | |

PROPOSED:

Subject Abbreviation CHE
Course Number 320

EXISTING:

Subject Abbreviation CHE
Course Number 320

TERMS OFFERED

Check All That Apply:
Summer Fall Spring

Long Title Statistical Modeling and Quality Enhancement

Short Title STAT MDL & QUAL ENHNCE

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

CAMPUS(ES) INVOLVED

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

CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range:
Minimum Cr. Hrs Or
(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. Satisfactory/Unsatisfactory Only
3. Repeatable
Maximum repeatable credit:
4. Credit by Examination
5. Designator Required
6. Special Fees

7. Registration Approval Type

- Department Instructor
8. Variable Title
9. Remedial
10. Honors
11. Full Time Privilege
12. Off Campus Experience

| Instructional Type | Minutes Per Mtg | Meetings Per Week | Weeks Offered | % of Credit Allocated | Delivery Method (Asyn. Or Syn.) | Delivery Medium (Audio, Internet, Live, Text-Based, Video) |
|--------------------|-----------------|-------------------|---------------|-----------------------|---------------------------------|--|
| Lecture | 50 | 3 | 16 | 75/100 | Syn | Live |
| Discussion | 110 | 1 | 16 | 25 | Syn | Live |
| Laboratory | | | | | | |
| Lab Prep | | | | | | |
| Studio | | | | | | |
| Distance | | | | | | |
| Clinic | | | | | | |
| Experiential | | | | | | |
| Research | | | | | | |
| Ind. Study | | | | | | |
| Pract/Observ | 110 | 1 | 16 | 0 | | |

COURSE DESCRIPTION (INCLUDE REQUISITES):

CHE 320 Statistical Modeling and Quality Enhancement
Sem. 2. Class 3, cr. 3 (6 CHE). Prerequisite: CHE 205; co-requisite MA 262 or equivalent.
Statistical modeling methods, design of experiments, error analysis, curve fitting and regression, analysis of variance, confidence intervals, quality control and enhancement: emphasizes preparation for designing chemical engineering laboratory experiments and analyzing data.

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|---|---------------------|---|--------------------|--|--------------------|
| 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 | <i>Robert E. Montgomery</i> 3/3/05 Undergrad Curriculum Committee | Date |
| North Central Department Head | Date | North Central Chancellor | Date | Date Approved by Graduate Council | |
| <i>Alvarna</i> West Lafayette Department Head | <i>2-28-05</i> Date | <i>John H. Janni</i> West Lafayette School Dean | <i>3/2/05</i> Date | Graduate Council Secretary | Date |
| Graduate Area Committee Convener | Date | Graduate Dean | Date | <i>Debra K. Shuts</i> West Lafayette Registrar | <i>3/8/05</i> Date |

