PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

DEPARTMENT CHEMISTRY
EFFECTIVE SESSION Fall 2011

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 CHM
Course Number 11800
Long Title General Chemistry
Short Title

EXISTING:

Subject Abbreviation CHM
Course Number 11800

TERMS OFFERED:
Check All That Apply:
[ ] Summer [x] Fall [x] Spring

CAMPUS(ES) INVOLVED
[ ] Calumet [ ] Cont Ed [ ] Ft Wayne [ ] Indianapolis
[ ] N. Central [ ] Tech Sintonide [x] W. Lafayette

Abbreivated title will be entered by the Office of the Registrar if omitted. (50 CHARACTERS ONLY)

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

3. Equivalent Credit: Yes No

COURSE ATTRIBUTES: Check All That Apply
6. Registration Approval Type
   Department [ ] Instructor [x]
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Credit by Examination
5. Special Fees

Schedule Type
Lecture
Recitation
Presentation
Laboratory
Lab Prep
Studio
Distance
Clinic
Experiential
Research
Ind. Study
Prac/Observ

Minutes Per Mgr
Meetings Per Week
16
% of Credit Offered Allocated
100

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):
A development of the concepts introduced in CHM 115. Introduction to phase changes, vapor pressure, solutions and solubility, colligative properties. Introductory thermodynamic treatments of equilibrium conditions of oxidation-reduction, electrochemistry, complexation, and acids and bases. Kinetics of chemical change, simple rate laws and reaction mechanisms. Descriptive chemistry of the "representative" elements ("a" and "p" block elements) with emphasis on periodic relationships. Numerical problems and relationships are introduced whenever quantitative treatment is possible. P: CHM 115 with a grade of C or higher. C: MA 163H, MA 165 or MA 229

* COURSE LEARNING OUTCOMES:

Calumet Department Head
Date 6/29/10

Calumet School Dean
Date 6/29/10

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