**PURDUE UNIVERSITY**

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

DEPARTMENT CHEMISTRY

EFFECTIVE SESSION SPRING 2014 (201420)

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:

Subject Abbreviation: CHM

Course Number: 11500

Long Title: General Chemistry

Short Title: General Chemistry

ABBREVIATED TITLE WILL BE ENTERED BY THE OFFICE OF THE REGISTRAR IF OMITTED. (30 CHARACTERS ONLY)

CREDITS

1. Fixed Credit: Cr. Hrs.
2. Variable Credit Range: Minimum Cr. Hrs. (Check One) To Cr. Hrs.
3. Equivalent Credit: Yes No

COURSE ATTRIBUTES

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Maximum Repeatable Credit
5. Credit by Examination
6. Fees: Coop Lab Rate Request
   Include comment to explain fee

COURSE DESCRIPTION (INCLUDE REQUISITES/REstrictions):

Required of all students majoring in biology, chemistry, geology (B.S.), medical technology, physics, chemical and metallurgical engineering, pre-dentistry, pre-engineering, and pre-pharmacy. Introduction to fundamental laws and principles of chemistry, including unit systems and unit conversions, precision evaluation, atomic theory, stoichiometry, symbols, formulas, equations; mass, molar, gas volume relationships; ideal gas law; thermodynamics; atomic structure; chemical periodicity; chemical bonds and their relation to physical properties; properties of the liquid and solid states. Numerical problems and relationships are introduced whenever quantitative treatment is possible. P: One year of high school chemistry, within the previous 5 years, or CHM 111 with a grade of C or better within the past 5 years. C: MA 154 or MA 227 or MA 229.

COURSE LEARNING OUTCOMES:

**Note:**

This is new.