**A&SCI#13-16**

**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.

- [ ] New course with supporting documents
- [ ] Add existing course offered at another campus
- [ ] Change in course attributes (department head signature only)
- [ ] Change in Personal hours
- [ ] Change in course number
- [ ] Change in course description
- [ ] Change in course requisites
- [ ] Change in semesters offered (department head signature only)
- [ ] Transfer from one department to another

**PROPOSED:**

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>Subject Abbreviation</th>
<th>Course Number</th>
<th>Course Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM</td>
<td>11600</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXISTING:**

- **Long Title:** General Chemistry
- **Short Title:**

**TERMS OFFERED**

- [X] Fall  
- [X] Spring  
- [ ] Summer

**CAMPUS(ES) INVOLVED**

- [ ] Columbus
- [X] Ft. Wayne
- [ ] Indiana Polis
- [ ] N. Central
- [ ] Tech Statewide
- [ ] W. Lafayette

**CREDIT TYPE**

1. Fixed Credit: Cr. Hrs.
2. Variable Credit Range:
   - Minimum Cr. Hrs.
   - Maximum Cr. Hrs.
3. Equivalent Credit: Yes

**COURSE ATTRIBUTES**

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Credit by Examination
5. Fees: Coop
6. Rate Request
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

**SCHEDULE TYPE**

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Recitation</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/Clin/Ther</th>
</tr>
</thead>
</table>

**HOURS OFFERED**

- [ ] 16
- [ ] 18
- [ ] 20
- [ ] 22
- [ ] 24

**HOURS ALLOCATED**

- [ ] 16
- [ ] 18
- [ ] 20
- [ ] 22
- [ ] 24

**COURSE DESCRIPTION**

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 (s 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 193H, MA 165 cr MA 227 or MA 229

**COURSE LEARNING OUTCOMES:**

- [ ]

**OFFICE OF THE REGISTRAR**

**Column Department Head**

**Date**

**Column School Dean**

**Date**

**Ft. Wayne Department Head**

**Date**

**Ft. Wayne School Dean**

**Date**

**Ind. Polis Department Head**

**Date**

**Ind. Polis 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**

**Note:**

+ 229 is new