**PURDUE UNIVERSITY**

REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE

(10000-40000 LEVEL)

**DEPARTMENT**: Chemistry

**EFFECTIVE SESSION**: Fall 2015

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>1. New course with supporting documents</td>
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<td>2. Add existing course offered at another campus</td>
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<td>3. Expiration of a course</td>
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<td>4. Change in course number</td>
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<td>5. Change in course title</td>
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<td>6. Change in course credit/type</td>
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<td>7. Change in course attributes (department head signature only)</td>
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<td>8. Change in instructional hours</td>
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<td>9. Change in course description</td>
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<td>10. Change in course requisites</td>
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<td>11. Change in semesters offered (department head signature only)</td>
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<tr>
<td>12. Transfer from one department to another</td>
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**PROPOSED:**

Subject Abbreviation: CHM

Course Number: 19400

Long Title: Freshman Chemistry Orientation

Short Title: Freshman Chem Orientation

**EXISTING:**

Subject Abbreviation: CHM

Course Number: 19400

Terms Offered: Check All That Apply

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

**CAMPUS(ES) INVOLVED:**

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

**CREDIT TYPE:**

1. Fixed Credit: 1.0

2. Variable Credit Range: 1.0

   Minimum Cr. Hrs: [ ] To [ ] Or [ ]

   Maximum Cr. Hrs: [ ] Yes [ ] No

3. Equivalent Credit: [ ] Yes [ ] No

**COURSE ATTRIBUTES:** Check All That Apply

- [X] Pass/Not Pass Only
- [ ] Satisfactory/Unsatisfactory Only
- [ ] Repeatable
- [ ] Maximum Repeatable Credit: 1.0
- [ ] Credit by Examination
- [ ] Fee: [ ] Coop [ ] Lab [ ] Rate Request

   Include comment to explain fee

**SCHEDULE TYPE:**

- [ ] Lecture
- [ ] Recitation
- [ ] Presentation
- [ ] Laboratory
- [ ] Lab Prep
- [ ] Studio
- [ ] Distance
- [ ] Clinic
- [ ] Experiential
- [ ] Research
- [ ] Ind. Study
- [ ] Pract/Observer

**Cross-Listed Courses:**

- [ ]
- [ ]

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**

CHM 19400 is a one-credit course for IFW chemistry majors who have declared within the last year. It will serve as an introduction to student resources and opportunities at IFW, in general, and within the Chemistry Department, specifically. It will also cover topics relating the expectations and career paths available to those graduating with a Bachelor's degree in chemistry. There are no prerequisites for this course.

**COURSE LEARNING OUTCOMES:**

Students will demonstrate understanding of the following topics: 1) the requirements for a bachelor's degree in chemistry at IFW and the resources available to help achieve this goal; 2) the benefits of performing research as an undergraduate student and the opportunities for research within the Chemistry department; 3) the personal and professional expectations of the discipline and the scientific community, in general; and 4) the possible career paths, both traditional and nontraditional, available to those with a Bachelor's degree in chemistry.

**Department Head**

[Signature]

[Date]

**School Dean**

[Signature]

[Date]
CHM 19400
Freshman Chemistry Orientation

Course Description:

CHM 19400 is a one-credit course for IPFW chemistry majors who have declared within the last year. It will serve as an introduction to student resources and opportunities at IPFW, in general, and within the Chemistry Department, specifically; it will also cover topics regarding the expectations and career paths available to those graduating with a Bachelor’s degree in chemistry. There are no prerequisites for this course.

Course Objectives:

Students will demonstrate understanding of the following topics.
1) The requirements for a bachelor’s degree in chemistry at IPFW and the resources available to help achieve this goal.
2) The benefits of performing research as an undergraduate student and the opportunities for research within the Chemistry department.
3) The personal and professional expectations of the discipline and the scientific community, in general.
4) The possible career paths, both traditional and nontraditional, available to those with a Bachelor’s degree in chemistry.

Grading:

Lecture & seminar attendance (15 lectures & 1 seminar @ 2.5 pts each) 40 pts
6 online quizzes (5 pts each) 30 pts
Plan of study 10 pts
Career website 20 pts

Total 100 pts

The course is pass/fail; a total of 70 points is needed to pass.

** is the last day for officially withdrawing from a course. You must officially withdraw from the class to avoid getting an F. If you simply stop coming to class, this will result in a grade of F.
Course schedule:

Week #1: Course Introduction; SAACS officer presentation; Degree options & requirements
Week #2: Student resources: CASA, Student Life, Math Resource Center
Week #3: Student resources: IT Services, Library resources.
Week #4: Ethical expectations: Laboratory safety & waste disposal.
Week #5: Ethical expectations: Data falsification & plagiarism
Week #6: Career Services & resume construction
Week #7: Career opportunities in chemistry; career website expectations.
Week #8: External speaker(s) for career perspective
Week #9: Research benefits & research certificate
Week #10: Faculty research presentations
Week #11: Faculty research presentations
Week #12: Faculty research presentations
Week #13: Faculty research presentations
Week #14: Career website presentations
Week #15: Career website presentations; course review

Chemistry Students' Code of Ethics and Conduct

Students are expected to adhere to the code of ethics and conduct specific to the field of chemistry for the chemistry courses in which they are enrolled and for activities under the auspices of the IPFW department of chemistry. In particular, students are expected, where applicable, to abide by The Chemical Professional’s Code of Conduct approved by the American Chemical Society (ACS). Students who intentionally commit serious violations are subject to the same disciplinary action incurred by academic and personal misconduct as described in the IPFW Student Rights, Responsibilities, and Conduct and Purdue’s Regulations Governing Student Conduct, Disciplinary Regulations, and Appeals. This policy is intended to be consistent with and is not to be construed to conflict with or supersede any established IPFW or PUWL policy. (See http://new.ipfw.edu/departments/coas/depts/chemistry/course)

Special Services

If you have a disability or acquire one and want to find out what special services and accommodations are available, you may contact Services for Students with Disabilities in Walb 118 and 218 (481-6657).