Chemistry in Industry and the Economy

Instructors:  
Mark A. Arnold, 230 IATL, 335-1368, mark-arnold@uiowa.edu

Class Meetings:  
Lecture:  Tuesday and Thursday, 9:30 – 10:45; 25 PH  
Discussion Session:  11:30A - 12:20P. Tuesday W258 CB

Office Hours:  
Tuesdays 4:30 - 5:30 and Thursdays 10:45-12:00 or by appointment

Textbook:  
Visualizing Everyday Chemistry, Heller, Wiley 2015

ICON:  
http://icon.uiowa.edu;

CHEM:1100 Fall16 Chemistry in Industry and the Economy

Course Objective:  
To provide a basic understanding of chemistry to the non-science student with an emphasis on the underlying impact of chemistry, and science in general, on industry and the world economy. The intent is to broaden the student’s appreciation for the impact of chemistry in all facets of the economy and to enable the student to function effectively in a business climate heavily dependent on technology.

Course Organization:  
All material will be provided during lecture periods and presented in a discussion format. Important to attend every class. I will not provide copies of lecture notes if you fail to attend class. Suggested chapter questions and problems will be provided with solutions, but not collected or graded. Exams will be given in class and will require a calculator. Selected experts from industry will visit the class periodically.

Course Requirements:  

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Assignment</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>5</td>
<td>Unannounced in-class quizzes</td>
<td>100</td>
</tr>
<tr>
<td>4</td>
<td>Writing assignments</td>
<td>200</td>
</tr>
<tr>
<td>3</td>
<td>Exams</td>
<td>300</td>
</tr>
<tr>
<td>1</td>
<td>Final exam</td>
<td>200</td>
</tr>
<tr>
<td>10</td>
<td>Discussion</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Total Points</td>
<td>850</td>
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Examinations:  
Exams will focus on material presented in lecture as well as in reading assignments. Problems and discussion type questions will be included. Some questions will require you to apply the concepts
covered in class. Dates for exams will be announced and the final exam will be comprehensive.

Exams will be regraded upon request. You must provide a written request for a regrade specifying where you believe an error was made. The entire exam will be regraded.

Grade Assignments: Grade assignments will be made on the basis of a curve of the total class distribution of points. Plus/minus grades will be given sparingly.

Policy on Plagiarism: All work performed in this course is expected to be your own. Although some ideas or arguments might come from group discussions, all written assignments stemming from these ideas must be presented in your own words. This holds for material taken from published works from which you are drawing information for your response. Evidence of collusion will result in no credit being given for that assignment to all parties involved and may lead to a report of academic misconduct to the Dean of the College of Liberal Arts and Sciences.

You will receive no credit if it is determined that the work you turn in is not your own.

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**CLAS Policies**

**Administrative Home**

The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall, or see the CLAS Academic Policies Handbook at [http://clas.uiowa.edu/students/handbook](http://clas.uiowa.edu/students/handbook).

**Electronic Communication**

University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences ([Operations Manual, III.15.2, k.11](#)).
**Accommodations for Disabilities**

A student seeking academic accommodations should first register with Student Disability Services and then meet with the course instructor privately in the instructor's office to make particular arrangements. See [http://sds.studentlife.uiowa.edu/](http://sds.studentlife.uiowa.edu/) for more information.

**Academic Honesty**

All CLAS students or students taking classes offered by CLAS have, in essence, agreed to the College's [Code of Academic Honesty](#): "I pledge to do my own academic work and to excel to the best of my abilities, upholding the [IOWA Challenge](#). I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled ([CLAS Academic Policies Handbook](#)).

**CLAS Final Examination Policies**

The final examination schedule for each class is announced by the Registrar generally by the fifth week of classes. Final exams are offered only during the official final examination period. **No exams of any kind are allowed during the last week of classes.** All students should plan on being at the UI through the final examination period. Once the Registrar has announced the date, time, and location of each final exam, the complete schedule will be published on the Registrar's web site and will be shared with instructors and students. It is the student's responsibility to know the date, time, and place of a final exam.

**Making a Suggestion or a Complaint**

Students with a suggestion or complaint should first visit with the instructor (and the course supervisor), and then with the departmental DEO (Professor James Gloer, 319-335-3124, E331 CB). Complaints must be made within six months of the incident ([CLAS Academic Policies Handbook](#)).

**Understanding Sexual Harassment**

Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI [Comprehensive Guide on Sexual Harassment](#) for assistance, definitions, and the full University policy.

**Reacting Safely to Severe Weather**

In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the [Department of Public Safety website](#).