Course Organization

1. Instructor

Gary Small, 204 IATL, 335-3214, gary-small@uiowa.edu

Office Hours: 2:00 – 3:30 pm Tuesday and Friday or by appointment. Office hours will be virtual. Zoom link: https://uiowa.zoom.us/j/95575216280

2. Departmental Office

Department of Chemistry, E331 CB, 335-1350, Chair: Prof. Len MacGillivray

3. Course Web Site

http://icon.uiowa.edu

4. Class Meetings

Monday, Wednesday, Friday, 10:30 – 11:20 am. Class meetings will be virtual in synchronous mode. Zoom link: https://uiowa.zoom.us/j/94997394038

5. Prerequisites

Completion of the Collaborative Institutional Training Initiative (CITI) online modules is a prerequisite for this course. These modules can be accessed through this link: http://www.grad.uiowa.edu/principles-of-scholarly-integrity/approved-courses. Proof of completion of the Responsible Conduct of Research modules will be required by February 8.

6. Reading Assignments

No textbook is required for the course. Selected readings will be assigned and posted on the course web site.

7. Course Overview

The objective of this course is to discuss the principles of ethics in chemical sciences. The graduate and post-doctoral students enrolled in this course will be trained on scholarly integrity for being a responsible chemist as they engage in research at the University of Iowa. The infrastructure of scientific scholarship is introduced with an emphasis on interacting with peers, funding agencies, and industrial entities. Responsible conduct in research will be discussed in the context of creation of knowledge, dissemination of scientific findings, intellectual property, and conflict of interest. Workshops will be conducted to study cases in chemical research to illustrate the principles of scholarly integrity.
8. **Course Topics**

- Data Acquisition, Management, Sharing, and Ownership
- Mentor/Trainee Responsibilities
- Publication Practices and Responsible Authorship
- Peer Review
- Collaborative Science
- Human Subjects
- Animal Welfare
- Research Misconduct
- Conflict of Interest / Conflict of Commitment
- Research Safety
- Intellectual property

9. **Summary of Course Requirements and Grading**

The course will be graded as satisfactory/unsatisfactory (S/U) based on class attendance and participation, quizzes given as part of presentations by outside speakers, and a final quiz.

10. **Course structure**

The course will be conducted during the first third of the Spring semester. Topics will be covered through a combination of lecture material, examination of case studies, and group discussion. Guest lecturers will be invited to speak on specific topics in which they have particular expertise. Some topics will have reading assignments provided before the corresponding class in which the material is presented. Some topics may have announced quizzes associated with them to encourage student preparation.

Student attendance will be taken and class participation is required. Students must attend and participate in all class periods unless the absence is excused. Examples of excused absences include those due to illness, mandatory religious obligations, official University activities, or unavoidable circumstances. Documentation must be provided to the instructor to support the reason for the absence. Students must meet all course requirements, in particular meet the mandate set by the Office of the Vice President for Research.

11. **Final Quiz**

A quiz consisting of multiple-choice questions will be administered through ICON at the last class meeting. Questions will be drawn from the lecture presentations made by the instructor and guest speakers. Successful completion of the quiz requires a score of 80%. Students scoring less than 80% will be required to perform a remediation assignment in order to obtain a grade of satisfactory for the course.
Absences and Attendance

Students are responsible for attending class and for contributing to the learning environment of a course. Students are also responsible for knowing course absence policies, which vary by instructor. All absence policies, however, must uphold the UI policy related to student illness, mandatory religious obligations, including Holy Day obligations, unavoidable circumstances, and University authorized activities (https://clas.uiowa.edu/students/handbook/attendance-absences). Students may use the CLAS absence form to aid communication with the instructor who will decide if the absence is excused or unexcused; the form is located on ICON within the top banner under “Student Tools.”

Academic Integrity

All undergraduates enrolled in courses offered by CLAS have in essence agreed to the College's Code of Academic Honesty. Academic misconduct affects a student's related grade and is reported to the College which applies an additional sanction including suspension. Outcomes about misconduct are communicated through UI email (https://clas.uiowa.edu/students/handbook/academic-fraud-honor-code).

Accommodations for Disabilities

UI is committed to an educational experience that is accessible to all students. A student may request academic accommodations for a disability (such as a mental health, attention, learning, vision, and a physical or health-related condition) by registering with Student Disability Services (SDS). The student is then responsible for discussing specific accommodations with the instructor. More information is at https://sds.studentlife.uiowa.edu/.

Administrative Home of the Course

The College of Liberal Arts and Sciences (CLAS) is the administrative home of this course and governs its add/drop deadlines, the second-grade-only option, and related policies. Other UI colleges may have different policies for courses offered by that college. CLAS policies may be found here: https://clas.uiowa.edu/students/handbook.

Classroom Expectations

Students are expected to comply with University policies regarding appropriate classroom behavior as outlined in the Code of Student Life (https://dos.uiowa.edu/policies/code-of-student-life/). This includes related UI policies and procedures that all students have agreed to regarding the COVID-19 pandemic. Particularly, each student must wear a face mask when in a UI building, including a classroom. The density of seats in classrooms has been reduced, and in some instances, this will allow 6 feet or more of distance while other cases, it may be less. Regardless, wearing a face mask and maintaining as much distance as is possible are vital to slowing the spread of COVID-19. In the event that a student disrupts the classroom environment through the failure to comply with a reasonable directive of an instructor or of the University, the instructor has the authority to ask that the student to leave the space immediately for the remainder of the class period. Additionally, the instructor is asked to report the incident to the UI Office of Student Accountability, with the possibility of additional follow-up with the student. Students who need temporary alternative learning arrangements (TALA) for a future semester...
related to COVID-19 should visit this website for more information: https://coronavirus.uiowa.edu/temporary-alternative-learning-arrangements-tala.

Class Recordings: Privacy and Sharing

Some sessions of a course could be recorded or live-streamed. Such a recording or streaming will only be available to students registered for the course. These recordings are the intellectual property of the faculty, and they may not be shared or reproduced without the explicit written consent of the faculty member. Students may not share these sessions with those who are not enrolled in the course; likewise, students may not upload recordings to any other online environment. Doing so is a breach of the Code of Student Conduct and in some cases is a violation of the Federal Education Rights and Privacy Act (FERPA).

Communication and the Required Use of UI Email

Students are responsible for official correspondences sent to the UI email address (uiowa.edu) and must use this address for all communication within or with UI (Operations Manual, III.15.2).

Complaints

Students with a complaint about an academic issue should first visit with the instructor or course supervisor and then with the Chair of the department or program offering the course; students may next bring the issue to the College of Liberal Arts and Sciences. See this page for more information: https://clas.uiowa.edu/students/handbook/student-rights-responsibilities.

Final Examination Policies

The final exam schedule is announced around the fifth week of classes; students are responsible for knowing the date, time, and place of a final exam. Students should not make travel plans until knowing this information. No exams of any kind are allowed the week before finals with a few exceptions made for particular types of courses such as labs or off-cycle courses: https://registrar.uiowa.edu/final-examination-scheduling-policies.

Nondiscrimination in the Classroom

The University of Iowa is committed to making the classroom a respectful and inclusive space for people of all gender, sexual, racial, religious, and other identities. Toward this goal, students are invited in MyUI to optionally share the names and pronouns they would like their instructors and advisors to use to address them. The University of Iowa prohibits discrimination and harassment against individuals on the basis of race, class, gender, sexual orientation, national origin, and other identity categories set forth in the University’s Human Rights policy. For more information, contact the Office of Equal Opportunity and Diversity (https://diversity.uiowa.edu/eod; +1 319 335-0705 or diversity.uiowa.edu).

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 must uphold the UI mission and contribute to a safe environment that enhances learning. Incidents of sexual harassment must be reported immediately. For assistance, please see https://osmrc.uiowa.edu/.

*These CLAS policy and procedural statements have been summarized from the web pages of the College of Liberal Arts and Sciences and The University of Iowa Operations Manual.
## Course Syllabus

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