

CPH:7270 Principles of Scholarly Integrity: Public Health

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Course Description

This course is designed to provide students with training in the responsible conduct of research and scholarly activities; discussion of student/mentor responsibilities in pursuit of scholarly work and intellectual dialogues; responsibilities to the institution/scholarly community/society. Public Health core discipline examples are utilized. Competencies and learning objectives are presented below. All workshops will be organized as facilitated small group discussions among 8 – 10 students with a faculty member. For each workshop, a speaker will offer a brief introduction for the case studies that will be discussed in small groups.

Course Competencies

The following competency areas, required by the National Institutes of Health, will be incorporated into the course:

1. Conflict of interest – personal, professional, and financial
2. Policies regarding human subjects, live vertebrate animal subjects in research, and safe laboratory practices
3. Mentor/mentee responsibilities and relationships
4. Collaborative research including collaborations with industry
5. Peer review
6. Data acquisition and laboratory tools; management, sharing and ownership
7. Research misconduct and policies for handling misconduct
8. Responsible authorship and publication
9. The scientist as a responsible member of society, contemporary ethical issues in biomedical research, and the environmental and societal impacts of scientific research

Course Learning Objectives

At the end of the course the student will be able to:

- Discuss issues related to authorship and peer review, building and maintaining mentor/mentee relationships, the use of animals and human subjects in research, and protecting scholarly endeavors and investments.

- Provide research examples related to the five core disciplines of public health and issues related to the responsible conduct of research.
- Analyze ethical complexities in conducting research, including community-engaged research.

Materials

All readings, case studies and resources will be available through the ICON course website. Scientific Integrity: Text and Cases in Responsible Conduct of Research by Francis L. Macrina (4th Ed., ASM Press, 2014) is a recommended, but not required, text. It is expected that students will have read assigned materials before class and will be prepared to engage in an active discussion of the assigned material.

Attendance

Students must attend and participate in all workshops and complete the CITI training prior to the first workshop. Excused absences will only be granted for illness, death in the family or by special permission of the course director. Unexcused absences must be remediated to complete the course. The student will be required to complete a written assignment and meet with the faculty facilitator from his/her program. More than 2 unexcused absences will result in unsatisfactory completion of the course. Student must contact the course director to make arrangements to remediate all absences, excused or unexcused.

Grading

Course grade options include In Progress (IP), Satisfactory (S), or Unsatisfactory (U). Students in good standing in the course will receive a grade of IP each semester until all course requirements are fulfilled. A grade of S or U will be assigned upon completion of all course requirements. Students must complete all workshops with an accumulated score of 80% or higher for a grade of Satisfactory. If a student leaves the course without notice, a grade of Unsatisfactory will be assigned.

Workshop scoring: *Attendance points* will be assigned: 0 (absent or more than 30 minutes late), 5 (10 – 30 minutes late), or 10 (present). *Participation points* will be assigned: 0 (silent), 5 (minimal discussion), or 10 (active discussion). Active engagement in group discussion is required of all students in order to successfully complete the course. A Satisfactory grade requires a final score of 80% or higher of the maximum points possible.

Course Structure

This course will be offered over two academic years. During the first year the Collaborative Institutional Training Initiative (CITI) Responsible Conduct of Research Training, which is available via the University of Iowa Research Information System (UIRIS) will be completed. During the second year, students will enroll in this course in both the fall and spring to complete the face-to-face components of the course. The specific course structure is as follows:

Year 1

CITI Training (4 hours)

Year 2 Fall Semester

Module 1: Authorship, Peer Review and Research Issues (2.5 hours)

- Publication Practices and Responsible Authorship
- Peer Review
- Research Misconduct
- Research Safety

Module 2: Fostering Relationships with Mentors and Collaborators (2 hours)

- Mentor/Trainee Responsibilities
- Collaborative Science
- Conflict of Interest and Commitment

Year 2 Spring Semester

Module 3: Being an Informed University Scholar—Human Subjects & the Use of Animals in Research (2 hours)

- Human Subjects
- Animal Welfare

Module 4: Intellectual Property and Sharing, Financial and Social Responsibilities (2 hours)

- Data Acquisition, Management, Sharing and Ownership
- Financial Management
- Responsibility to Society

Course Policies

Administrative Home

This course is given by the College of Public Health. This means that class policies on matters such as requirements, grading, and sanctions for academic dishonesty are governed by the College of Public Health. Students wishing to add or drop this course after the official deadline must receive the approval of the Associate Dean for Academic and Student Affairs in the College of Public Health. Details of the University policy of cross enrollments may be found at: [Cross-Enrollment Policy](#)

Electronic Communication

University policy specifies that students are responsible for all official correspondences sent to their standard University of Iowa e-mail address (@uiowa.edu). Students should check this account frequently.

Accommodations for Disabilities

A student seeking academic accommodations should first register with Student Disability Services and then meet privately with the course instructor to make particular arrangements. For more information please visit: [Student Disability Services - The University of Iowa](#)

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. The policy in its entirety may be found at [II-4 Sexual Harassment | Operations Manual](#)

If you or someone you know may be a victim of sexual assault, sexual harassment, dating/domestic violence, stalking, or any other behaviors prohibited under this policy, you are strongly encouraged to seek assistance and support. Assistance is available 24 hours a day, 7 days a week, from:

- Rape Victim Advocacy Program (RVAP) -- confidential, certified victim advocacy services, 319-335-6000
- Domestic Violence Intervention Program (DVIP) -- confidential, certified victim advocacy services, 319-351-1043 or 800-373-1043
- Emergency Department, University of Iowa Hospitals and Clinics -- confidential medical services, 319-356-2233
- University of Iowa Department of Public Safety -- law enforcement services, 319-335-5022, or 911 from any campus phone

During business hours, you may also seek assistance from the University of Iowa Office of the Sexual Misconduct Response Coordinator at 319-335-6200.

Concerns About Faculty Actions

Students who have a concern about a faculty action should first address the issue with the instructor, then the course supervisor (if there is one), and then the departmental DEO. Another resource for students is the Office of the University Ombudsperson. If a complaint cannot be resolved at the departmental and/or collegiate level, students may file a formal complaint utilizing the procedure specified in the [Operations Manual \(II-29.7\)](#)

Academic Misconduct

Academic misconduct is defined by the University of Iowa in its Code of Student Conduct here: [Policies & Regulations Affecting Students](#). Please take the time to read this short description. Academic misconduct refers primarily to plagiarism or cheating. **It is the student's responsibility to seek clarification from the course instructor of any situation in which he/she is uncertain whether academic misconduct is/has been involved.**

Plagiarism includes but is not limited to the following:

- presentation of ideas of others without credit to the source;
- use of direct quotations without quotation marks and without credit to the source;
- paraphrasing without credit to the source;

- participation in a group project which presents plagiarized materials;
- failure to provide adequate citation for material obtained through electronic research;
- downloading and submitting work from electronic databases without citation;
- submitting material created/written by someone else as one's own, including purchased term/research papers;

Cheating includes but is not limited to the following

- copying from someone else's exam, homework, or laboratory work
- allowing someone to copy or submit one's work as his/her own;
- accepting credit for a group project without doing one's share;
- submitting the same paper in more than one course without the knowledge and approval of the instructors involved;
- using notes or other materials during a test or exam without authorization;
- not following the guidelines specified by the instructor for a "take-home" test or exam.

Academic misconduct is a serious matter and is reported to the departmental DEO and to the Associate Dean for Education and Student Affairs. Instructors and DEOs decide on appropriate consequences at the departmental level while the Associate Dean enforces additional consequences at the collegiate level. For example, an incident involving plagiarism will result in consequences to the student ranging from a grade of 0 for that assignment to being terminated from his/her graduate program. Egregious acts of misconduct, such as cheating on a final exam, may result in the course grade being reduced to an F. Additional details concerning the consequences associated with acts of plagiarism, including a student appeals process, is provided in the Graduate College Manual section IV.F.

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 [Hawk Alert](#).