

# Fundamentals of Research Integrity

## Zoom Meeting

[https://ufl.zoom.us/j/98051049977?](https://ufl.zoom.us/j/98051049977?pwd=em1DZFNjekxrNmZNeEJDcGhiSEowQT09)

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Meeting ID: 980 5104 9977

Passcode: 008181

IDH3931 : FALL 2020

THURSDAY: 9:35-10:25

## COURSE DESCRIPTION

This course will focus on the fundamentals of responsible conduct of research (RCR) in the STEM (science, technology, engineering, and mathematics) disciplines, including research ethics, recognizing plagiarism, falsification of data, fabrication of data, understanding responsible authorship, choosing a mentor/advisor, and establishing better data management planning. Other topics of RCR being discussed in class will be research collaboration, human/animal subjects, conflicts of interest, dual-use technology, and research practices.

## INSTRUCTOR CONTACT

Michelle Leonard  
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Office Hours:  
by appt

## HONOR CODE

Students are expected to uphold the Academic Honor Code published in the Undergrad Catalog (<http://www.registrar.ufl.edu/catalog/policies/students.html>). Please become familiar with the policies of the Honor Code (<http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>). All violations will be reported to the Dean of Students Office.

## COURSE MATERIALS

There are no assigned textbooks for purchase. All readings will be provided by instructor or available through the UF library.

## E-LEARNING

Course announcements, assignments, calendars, and communications are all available through the UF E-learning system at <https://elearning.ufl.edu/>

## COURSE OBJECTIVES

By the end of this course students will:

- ▶ Use course concepts to further develop critical thinking skills
- ▶ Have a fundamental understanding of responsible conduct of research in the sciences
- ▶ Evaluate, analyze and respond appropriately to various situations involving ethical decision making in scientific research
- ▶ Develop skills for effective scientific communication
- ▶ Understand the importance of working in a team based environment.

**NOTE:** this is a tentative syllabus and is subject to revision at any time. The most current version will always be available on the course website in E-Learning, and students will be notified of any changes.



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# COURSE SCHEDULE\*

WEEK	TOPICS	DUE
1	Course Introduction, 9/3	Weekly Assignment
2	Finding research— CUR, 9/10	
3	Conducting research, 9/17	Weekly Assignment
4	Citation management, 9/24	Weekly Assignment
5	Writing Abstracts, 10/1	Weekly Assignment
6	Mentor & Mentee Relationships, 10/8	Weekly Assignment
7	Collaborative Research, 10/15	Weekly Assignment
8	Data made easy, 10/22	Weekly Assignment
9	Identifying Research Misconduct: Data, 10/29	Weekly Assignment
10	Research Misconduct: Plagiarism, 11/5	Weekly Assignment
11	Ethics of Authorship, 11/12	Weekly Assignment
12	Peer Review & Conflicts of Interest, 11/19	Weekly Assignment
13	No class—Thanksgiving, 11/26	Weekly Assignment
14	Last Day—final project 12/3	Weekly Assignment

\*topics subject to change based on guest lecturer availability

## ASSIGNMENTS

Weekly Assignments=40 %  
Final = 20%  
Class Participation=40%

## NUMERICAL GRADES

93-100 = A      67-69 = D+  
90-92 = A-      63-66 = D  
87-89 = B+      60-62 = D-  
83-86 = B      <60 = E  
80-82 = B-  
77-79 = C+  
73-76 = C  
70-72 = C-

## LATE ASSIGNMENTS

Late assignments are not accepted. Contact Prof Leonard as soon as possible if you have an emergency excuse.

## ASSIGNMENT SUBMISSION

Unless indicated otherwise, assignments should be submitted through the course website.

## ACCOMODATIONS

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.