



# Fundamentals of Research Integrity

IDH3931 : FALL 2017  
THURSDAY 9:35-10:25  
MARSTON SCIENCE LIBRARY, ROOM 136

## 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  
[mleonard@uflib.ufl.edu](mailto:mleonard@uflib.ufl.edu)  
(352)273-2866  
Office:MSL 209A  
Office Hours:  
Thursday 10:00-11:30

## 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://lss.at.ufl.edu/>

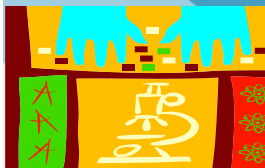
## COURSE OBJECTIVES

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 8/24	
2	Academic Integrity @ UF 8/31	
3	Center for Undergraduate Research 9/7	Weekly Assignment
4	Writing Abstracts 9/14	Weekly Assignment
5	Identifying Research Misconduct (pt 1) 9/21	Weekly Assignment
6	Identifying Research Misconduct (pt 2) 9/28	Weekly Assignment
7	Data Management Made Easy 10/5	Weekly Assignment
8	Mid term 9/12	Weekly Assignment
9	Mentor & Mentee Relationships 10/19	Weekly Assignment
10	Ethics of Authorship: Roles & Responsibilities / Peer Review 10/26	Weekly Assignment
11	Introduction to Human Subjects & the IRB process; Animal Welfare & IACUC 11/9	Weekly Assignment
12	Conflict of Interest; Dual-Use Technology 11/16	Weekly Assignment
13	Thanksgiving Break—no class	
14	Last day of class: brunch & wrap up 11/30	Final in class

\*topics subject to change based on guest lecturer availability

## ASSIGNMENTS

Weekly Assignments=30 %  
 Mid-Term= 25%  
 Final = 20%  
 Class Participation=25%

## NUMERICAL GRADES

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