

Course Syllabus

Ethics in Life Science Research (Bi 610)

Course Information:

5:00-6:20 Wednesday September 28– November 30

Course Objectives:

This course is intended to support the development of professional behavior of research scientists. It will cover mandated topics in responsible conduct of research as well as cultural values and behaviors important for developing a diverse and inclusive scientific community.

- Research scientists taking this course understand the formal requirements set in place by the NIH regarding research ethics ¹. For instance, we will learn the policies regarding research misconduct, data management and research on human and animal subjects.
- The format of the class will be largely discussions informed by articles that cover real life scenarios related to that week's topic. Participants will be prepared to discuss the content of the article and engage in an open discussion about the complexity of these ethical and behavioral issues.
- Participants are encouraged to reflect upon real-life scenarios (privately or openly if they wish), and in cases where relevant, to strategize a plan to cope with the real-life issue.

NIH Requirements for RCR Course

¹<https://rcs.uoregon.edu/content/responsible-conduct-research-training-and-education-plan/elements-RCR-training-plan>Links to an external site.

- **Subject Matter:** research misconduct, conflict of interest, human and animal subject research, mentor/mentee responsibilities, collaborative science, peer review, responsible authorship and publication, data management, scientist in society
- **Course Hours:** recommends at least eight contact hours over a period of time.
- **Frequency:** Instruction at least once during each career stage, and no less than once every four years.
- **Faculty Involvement:** Faculty should be present to participate in conversations
- **Face-to-face interaction:** Online instruction alone is not sufficient to satisfy the training requirement

Class Expectations:

This class is Pass/No pass.

To pass, you must:

- Attend every class. If you need to miss a class, contact me for special arrangements.
- Complete the short reading and writing assignment before each class. Writing assignment is small, limited to one paragraph. These will be submitted on Canvas.
- Readings can be found under “Assignments” in Canvas.

RCR course, Fall 2022			
Instructor: Clifton Poodry			
5pm-6:20pm	ESL 105		
Class	Date	Topic	Faculty attending
	1 Sept 29th	Overview of Class and requirements Values of Science, Scientific Excellence	
	2 Oct 5th	Inclusion and exclusion, Humor, Beliefs, and Biases	Dan Grimes
	3 Oct 12th	Professional Behavior Conflicts Of Interest	Melanie Spero
	4 Oct 19th	Research Integrity Lab Notebook and Data Management	
	5 Oct 26th	Publication and Peer Review	Chris Doe
	6 Nov 2nd	Data presentation Alice Barkan	
	7 Nov 9th	Human Subject Research Animal Subject Research	John Postlethwait
	8 Nov 16th	Labs that Work	
	9 Nov 23rd	Thanksgiving	
	10 Nov 30	Lab Culture/Environment	Bruce Bowerman

