

Bi 252. Responsible Conduct of Research. *4 units (2-0-2); third term.* This lecture and discussion course covers relevant aspects of the responsible conduct of biomedical and biological research. Topics include guidelines and regulations, ethical and moral issues, research misconduct, data management and analysis, research with animal or human subjects, publication, conflicts of interest, mentoring, and professional advancement. This course is required of all trainees supported on the NIH training grants in cellular and molecular biology and neuroscience, and is recommended for other graduate students in biology division labs. Undergraduate students require advance instructor's permission. Graded pass/fail. Instructors: Meyerowitz, Sternberg, staff.

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Syllabus: Spring Term 2017. 100 Broad – Rock Auditorium, Mondays 2-4 PM

April 3	Elliot Meyerowitz	Scientific Misconduct	Chapters 1,2
April 10	Janet Baer	Animal Subjects	Chapter 6
April 17	Paul Sternberg	Mentoring	Chapter 3
April 24	Grace Fisher-Adams	Human Subjects	Chapter 5
May 1	Hannah Dvorak-Carbone	Intellectual Property	Chapter 9
May 8	Ray Deshaies	Authorship & Peer Review	Chapters 4,8
May 15	Peter Dervan	Conflicts of Interest	Chapter 7
May 22	David Anderson	Experimental Reproducibility	Chapter 10

Required textbook:

Francis L. Macrina, *Scientific Integrity: Text and Cases in Responsible Conduct of Research*, 4th ed., 2014. ISBN-13: 978-1555816612 ISBN-10: 1555816614

TA: Ravi Nath

1) Class is only offered Pass/Fail

2) All students registered for the class must sign a sign-up sheet at each lecture as a record of attendance. Any missed classes must be made up the following year.

3) A class requirement is to write a skit representing a scenario that will lead to discussion of one of the topics, and to email it to the TA. Teams are encouraged to get together to write the skit, there should be one character in the skit per team member. Skits will be performed at the start of each class, the authors will be the actors, and the lecture will include some discussion of the topics raised by the skit.