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 2015. 100 Broad – Rock Auditorium, Mondays 2-4 PM

March 30  Paul Sternberg  Mentoring  Chapter 3
April  6  Ray Deshaies  Authorship and Peer Review  Chapters 4,8
April 13  Elliot Meyerowitz  Scientific Misconduct  Chapters 1,2
April 20  Peter Dervan  Conflicts of Interest  Chapter 7
April 27  Janet Baer  Animal Subjects  Chapter 6
May  4  David Anderson  Reproducibility of Experiments  Chapter 10, 11
May 11  Grace Fisher-Adams  Human Subjects  Chapter 5
May 18  Hannah Dvorak-Carbone  Intellectual Property  Chapter 9

Required textbook:

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.