



Department Compliance with Responsible Conduct in Research Training

Department/Program	Course Code	YOS for completion	Course Description
Applied and Computational Mathematics and Mathematics	MAT 500	G2	This course is for second year graduate students to help them develop their writing and speaking skills for communicating mathematics in a wide variety of settings, including teaching, grant applications, teaching statement, research statement, talks aimed at a general mathematical audience and seminars, etc. In addition responsible conduct in research (RCR) training is an integral part of this course.
Astrophysical Sciences, Plasma Physics, and Physics		G1/G2/G3	CITI online training module
Atmospheric and Oceanic Sciences, Geosciences, and the Woodrow Wilson School	AOS/GEO 503	G2	Course educates GEO and AOS students in the responsible conduct in research using case studies appropriate to these disciplines. This discussion-based course focuses on issues related to the use of scientific data, publication practices, and responsible authorship, peer review, research misconduct, conflicts of interest, the role of mentors and mentees, issues encountered in collaborative research, and the role of scientists in society. Successful completion is based on attendance, reading, and active participation in class discussions. Course satisfies University requirement for RCR training.
Chemistry	CHM 500	G3	Discussion and evaluation of the role professional researchers play in dealing with the reporting of research, responsible authorship, human and animal studies, misconduct and fraud in science, intellectual property, and professional conduct in scientific relationships. Participants are expected to read the materials and cases prior to the meeting. Successful completion is based on regular attendance and active participation in discussion. This half-term course is designed to satisfy federal funding agencies requirements for training and ethical practices of scientists. Required for graduate students and post docs.
Ecology and Evolutionary Biology and the Woodrow Wilson School	EEB 506	G1/G2	This course will cover the essential topics of what constitutes responsible conduct in research. EEB 506 is offered every other year, and students must take it either their first or second year, depending on the year it's offered. G1 and G2 students who because of fieldwork commitments cannot attend EEB 506 pregenerals, should enroll in the CITI course.



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Molecular Biology	MOL 561	G2	This course satisfies the mandate of the National Institutes of Health for training molecular biologists in the ethical practice of science. The course addresses topics that are central to the conduct of biomedical research, data acquisition, and protection of human and animal research subjects. Sessions cover topics such as research collaborations, publication and peer review, responsible authorship, and mentoring relationships.
Psychology	PSY 591	G2	Examination of issues in the responsible conduct of scientific research, including the definition of scientific misconduct, mentoring, authorship, peer review, grant practices, use of human and of animals as subjects, ownership of data, and conflict of interest. Class will consist primarily of the discussion of cases. Required of all second year graduate students in the Department of Psychology. Open to other graduate students.
Neuroscience	NEU 592	G2	This course satisfies the mandate of the National Institutes of Health for training neuroscientists in the ethical practice of science. The course addresses topics that are central to the conduct of biomedical research, including conflicts of interest, misconduct in research, data acquisition, and protection of human and animal research subjects. Sessions cover topics such as research collaborations, publication and peer review, responsible authorship, and mentoring relationships.
Quantitative and Computational Biology	QCB 501	G2/G3	Discussion and evaluation of the role of professional researchers play in dealing with the reporting of research, responsible authorship, human and animal subjects, misconduct and fraud in science, intellectual property, and professional conduct in scientific relationships. Participants are expected to read the materials and cases prior to each meeting. Successful completion is based on regular attendance and active participation in discussion. This half-term course is designed to satisfy federal funding agencies requirements for training in the ethical practice of scientists. Required for all QCB graduate students and some post docs, depending on funding source. QCB graduate students may also take a different RCR course offered through a partner department with prior approval from the DGS. All students are expected to take CITI training upon arrival until the course can be taken.



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Anthropology	ANT 500	G1/G2	Students may also take CITI online training module. The seminar is designed for anthropology graduate students and others interested in disciplinary/interdisciplinarity and the ethical underpinnings of academic practice. RCR elements are explored throughout.
Economics	ECO 505	G1	This seminar is designed to help graduate students in economics cultivate ethical research practices they may apply in future work and beyond the University. Students are encouraged to discuss concerns that may arise during the conduct of their research with experienced faculty and devise solutions for dealing with these concerns. The course provides necessary training for newly mandated RCR training for graduate students supported by government grants and is required for the successful completion of the program.
History and History of Science	HIS 503	G2	This course includes an intensive two-day twelve-hour training program of either sessions designed to introduce post-graduates students in history and history of science to key issues of responsibility in research, including: problems in sources, data collection and processing; responsible authorship and peer review; human subjects, oral history, and intellectual property; collaborative research; research misconduct; and history in society. Each session is moderated by one or more faculty members. Students are assigned readings as well as online resources. The dissertation prospectus part of the course includes eight additional three-hour sessions at which students present their prospectus drafts and receive critical feedback.
Politics and the Woodrow Wilson School	POL 599	G1	This seminar is concerned with the professional obligations of political science researchers. This course is designed to raise those concerns and develop in students an appreciation for the issues that they might confront as they do their work. Topics addressed includes the relationship of political science and institutions, advocacy, and objectivity in political science, plagiarism and academic misconduct, human subjects and field work in research, institutional review boards, funding sources and intellectual integrity, collaboration, and mentoring.



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Sociology and the Woodrow Wilson School	SOC 545	G2	This course is intended specifically for students who are currently conducting sociological fieldwork or writing up empirical papers on the basis of fieldwork. Students who are currently in the field are encouraged to participate remotely. Part one deals mainly with issues of writing.
The School of Engineering and the Woodrow Wilson School Chemical and Biological Engineering, Civil Engineering, Computer Science, Electrical Engineering, Mechanical and Aerospace Engineering, and Operations Research and Financial Engineering	EGR 501	G1/G2	This course educates the graduate students of engineering in the responsible conduct of research. The lectures provide theoretical background information as well as case studies about ethics in day-to-day research situations, in publishing and peer-review, in student-adviser relationships, in collaborative research, as well as in the big picture and considerations of long-term impact. The students are provided with resources to consult in ethical questions. In small-group discussions in research field-specific precepts, the theoretical concepts are made relevant to the individual student situations