

Department/Program	Course Code	Transcribed	YOS	Course Description
<b>Natural Sciences</b>				
Applied and Computational Mathematics and Mathematics	MAT 500	N	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, Physics, and Princeton Plasma Physics Labs	-	N	G1/ G2	CITI online training module
Atmospheric and Oceanic Studies and Geosciences	AOS/GEO 503	Y	G2	Course educates Geosciences and AOS students in the responsible conduct of 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 & 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	Y	G2	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 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 graduate students and post-docs.
Ecology and Evolutionary Biology	EEB 506	Y	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 is offered.
Molecular Biology	MOL561	Y	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, 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.

Psychology	PSY 591	Y	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 humans 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		N	G2	Course proposal pending for the fall term. <i>Until a new course is established students are asked to complete CITI online training or participate in PSY 591</i>
Quantitative and Computational Biology	QCB 501	Y	G2/ 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 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 postdocs, depending on funding source. QCB graduate students may also take a different RCR course offered through a partner department with prior approval from the QCB DGS.
<b>Social Sciences</b>				
Anthropology	ANT 500	Y	G1/ G2	Students may take ANT 500, 522A, 570, or the 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	ECO505	Y	G1	This seminar is designed to help graduate students in economics cultivate ethical research practices they may apply in future work at or 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 successful completion of the program
History and History of Science		N	G2	This course includes an intensive two-day, 12-hour training program in eight sessions designed to introduce post-grads 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	POL599	Y	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 as an academic discipline to democratic politics and institutions, advocacy and objectivity in political science, plagiarism and academic misconduct, human subjects and fieldwork in research, institutional review boards, funding sources and intellectual integrity, collaboration, and mentoring.
Population Studies	POP506	Y	G2	This course is concerned with the professional obligations of social science researchers. Topics covered include teaching and mentoring relationships, human subjects protections, professional codes of ethics, data management, peer review, collaboration, scientific misconduct (fraud, fabrication and plagiarism), conflicts of interest, and scientific agenda-setting. The course is intended for graduate students in Sociology and the Office of Population Research.
Sociology	SOC506	Y	G2	This course is concerned with the professional obligations of social science researchers. Topics covered include teaching and mentoring relationships, human subjects protections, professional codes of ethics, data management, peer review, collaboration, scientific misconduct (fraud, fabrication and plagiarism), conflicts of interest, and scientific agenda-setting. The course is intended for graduate students in Sociology and the Office of Population Research.
Woodrow Wilson School	POL599/ POP506/ SOC506	Y	G1/ G2	See descriptions for other courses.
<b>Engineering</b>				
Chemical and Biological Engineering, Civil and Environmental Engineering, Computer Science, Electrical Engineering, Mechanical and Aerospace Engineering, and Operations Research and Financial Engineering	EGR 501	Y	G1/ G2	This course educates the graduate student 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-advisor 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 students situations.