

Department methods to fulfill RCR training

Department	Course Code	Registrar	Year Completed	Course Description
Anthropology	-	N	G1/G2	CITI online training module
Applied and Computational Mathematics	-	N	G1/G2	Informal organized by Mathematics Department This course is for graduate students in Pure Mathematics as well as the Program in Applied and Computational Mathematics (PACM) to educate them on their responsibility as researchers and members of the research community. It is not meant to be prescriptive, but rather to stimulate students into thinking about a multitude of issues that they may face in their careers.
Astrophysical Sciences	-	N	G1/G2	CITI online training module
Atmospheric and Oceanic Studies	AOS503	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.
Chemical and Biological Engineering	EGR501a/b/c	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.
Chemistry	CHM500	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.

Department	Course Code	Registrar	Year Completed	Course Description
Civil and Environmental Engineering	EGR501a/b/c	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.
Computer Science	EGR501a/b/c	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.
Ecology and Evolutionary Biology	EEB506	Y	G2	This course will cover the essential topics of what constitutes responsible conduct in research.
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.
Electrical Engineering	EGR501a/b/c	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.
Finance	-	N	G1/G2	CITI online training module-current do not have students conducting research as part of their degree and do not require training.
Geosciences	GEO503	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.

Department	Course Code	Registrar	Year Completed	Course Description
History	-	N	G2	This course includes an intensive two-day, 12-hour training program in eight sessions designed to introduce post-generals 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 on-line resources; the syllabus for the workshop follows. The dissertation prospectus part of the course, not included on this syllabus, includes eight additional three-hour sessions at which students present their prospectus drafts and receive critical feedback.
History of Science	-	N	G2	This course includes an intensive two-day, 12-hour training program in eight sessions designed to introduce post-generals 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 on-line resources; the syllabus for the workshop follows. The dissertation prospectus part of the course, not included on this syllabus, includes eight additional three-hour sessions at which students present their prospectus drafts and receive critical feedback.
Mathematics	-	N	G2	This course is for graduate students in Pure Mathematics as well as the Program in Applied and Computational Mathematics (PACM) to educate them on their responsibility as researchers and members of the research community. It is not meant to be prescriptive, but rather to stimulate students into thinking about a multitude of issues that they may face in their careers.
Mechanical and Aerospace Engineering	EGR501a/b/c	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.

Department	Course Code	Registrar	Year Completed	Course Description
Molecular Biology	MOL561	Y	G2+orientation	This course satisfies the mandate of the National Institutes of Health for training of molecular biologists in the ethical practice of science. The nature of -- and response to -- personal "misconduct" will be a principle focus. Through case studies and class discussion, we will examine the societal framework for the public support of basic biomedical research, the rights and responsibilities of students and mentors in the conduct of that research, and the significance of intellectual property. We will also review regulations concerning research with human subjects and animals.
Neuroscience	NEU591	Y	G1	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 first year graduate students in the Department of Psychology. Open to other graduate students.
Operations Research and Financial Engineering	EGR501a/b/c	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.
Physics	-	N	G1/G2	CITI online training module
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.
Princeton Plasma Physics	-	N	G1/G2	CITI online training module

Department	Course Code	Registrar	Year Completed	Course Description
Psychology	PSY591	Y	G1	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 first year graduate students in the Department of Psychology. Open to other graduate students.
Quantitative and Computational Biology	CHM500 or EEB503	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 graduate students and post-docs.
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	