



## Research Ethics Courses Offered at UW-Madison

Below is a listing of research ethics courses that cover components of Responsible Conduct of Research (RCR). RCR Topics as described by the Office of Research Integrity and accepted by the National Institutes of Health.

1. Animal welfare
2. Collaborative science
3. Conflict of interest and commitment
4. Data acquisition, management, sharing and ownership
5. Protection of Human subjects
6. Mentor/trainee responsibilities
7. Publication practices, responsible authorship
8. Peer review
9. Research misconduct
10. Societal and environmental impacts of scientific research

Course #	Course Title	RCR Topics Addressed									
		1	2	3	4	5	6	7	8	9	10
715	<b>Ethics in Science</b>	X	X	X	X	X	X	X	X	X	X
800	<b>Research Ethics: Scientific Integrity and the Responsible Conduct of Research</b>	X	X	X	X	X	X	X	X	X	X
802	<b>Ethics and the Responsible Conduct of Research</b>	X	X	X	X	X	X	X	X	X	X
812	<b>Research Ethics and Career Development</b>	X	X	X	X	X	X	X	X	X	X
901	<b>Advanced Seminar</b>	X	X	X	X	X	X	X	X	X	X
955	<b>Responsible Conduct of Research for Biomedical Graduate Students</b>	X	X	X	X	X	X	X	X	X	X
956	<b>Refresher: Advanced Responsible Conduct of Research for Biomedical Graduate Students</b>	X	X	X	X	X	X	X	X	X	X

*School/College:* **SCHOOL OF MEDICINE AND PUBLIC HEALTH**

*Department:* **(700) ONCOLOGY**

*Course:* **(715) Ethics in Science**

*Instructor:* **Janet Mertz, Michael Gould**

*Credits:* **1 credit**

*Typically offered:* **Spring**

*Description:* A review and discussion of ethical issues in science.

*Postdoc eligibility:* Postdocs may be guest auditors. Postdocs must do the same work as registered students. A certificate is available.

*School/College:* **PHARMACY**

*Department:* **PHARMACY**

*Course:* **(800) Research Ethics: Scientific Integrity and the Responsible Conduct of Research**

*Instructor:* **Christine Sorkness, Robert Thorne**

*Credits:* **2 credits**

*Typically offered:* **Fall**

*Description:* Familiarizes graduate students with basic ethical issues associated with biomedical science research, taught via a case study approach. Content structured to meet NIH and NSF requirements for Responsible Conduct of Research (RCR) training.

*Postdoc eligibility:* Postdocs may be guest auditors if there is room. Postdocs should fully participate in all activities.



## Research Ethics Courses Offered at UW-Madison

*School/College:* **SCHOOL OF NURSING**

*Department:* **(692) NURSING**

*Course:* **(802) Ethics and the Responsible Conduct of Research**

*Instructor:* **Audrey Tluczek**

*Credits:* **1 credit**

*Typically offered:* **Spring**

*Description:* Ethical issues in the design, conduct and reporting of research are examined in the context of the nature of the scientific endeavor, the structure of the research community, and professional and federal guidelines for supporting scientific integrity and controlling misconduct.

*Postdoc eligibility:* Postdocs may not be guest auditors. Postdocs must register for credit.

*School/College:* **SCHOOL OF VETERINARY MEDICINE**

*Department:* **(938) SURGICAL SCIENCES**

*Course:* **(812) Research Ethics and Career Development**

*Instructor:* **Dale Bjorling, Charles Czuprynski**

*Credits:* **2 credits**

*Typically offered:* **Fall**

*Description:* This course provides instruction in principles and concepts of research ethics through presentations and discussion of case studies. Topics pertinent to development of a successful career in research are also included.

*Postdoc eligibility:* Postdocs may be guest auditors and should contact Annette Regele.

*School/College:* **COLLEGE OF AGRICULTURAL AND LIFE SCIENCES**

*Department:* **(192) BACTERIOLOGY**

*Course:* **(901) Advanced Seminar**

*Instructor:* **Brian Fox**

*Credits:* **1 credit**

*Typically offered:* **Spring**

*Description:* Study of current topics in the responsible conduct of research.

*Postdoc eligibility:* Postdocs may be guest auditors.

*School/College:* **SCHOOL OF MEDICINE AND PUBLIC HEALTH**

*Department:* **OBSTETRICS AND GYNECOLOGY**

*Course:* **(955) Responsible Conduct of Research for Biomedical Graduate Students**

*Instructor:* **Ian Bird, Chris Bradfield**

*Credits:* **2 credits**

*Typically offered:* **Fall**

*Description:* Meets the NIH Institutional Training Grant requirements of instruction in the nine recommended areas of conflict of interest - personal, professional, and financial; policies regarding human subjects, live vertebrate animal subjects in research, and safe laboratory practices; mentor/mentee responsibilities and relationships; collaborative research including collaborations with industry; peer review; data acquisition and laboratory tools; management, sharing and ownership; research misconduct and policies for handling misconduct; responsible authorship and publication; the scientist as a responsible member of society, contemporary ethical issues in biomedical research, and the environmental and societal impacts of scientific research for MS and PHD graduate students in the Biomedical Sciences. The importance of and practices to enhance rigor and reproducibility are addressed in several of the lectures. Weekly lectures will be followed by small group discussion of reading assignments of case studies. Invited guest speakers and faculty will be the primary source of instruction for the first hour of the course.

*Postdoc eligibility:* Not suitable for postdocs.



## Research Ethics Courses Offered at UW-Madison

*School/College:* **SCHOOL OF MEDICINE AND PUBLIC HEALTH**

*Department:* **OBSTETRICS AND GYNECOLOGY**

*Course:* **(956) Advanced Responsible Conduct of Research for Biomedical Graduate Students**

*Instructor:* **Ian Bird**

*Credits:* **1 credit**

*Typically offered:* **Spring**

*Description:* Follows course OBGYN 955 to meet the NIH Institutional Training Grant requirements of \*repeat/further instruction\* in the nine recommended areas of conflict of interest - personal, professional, and financial; policies regarding human subjects, live vertebrate animal subjects in research, and safe laboratory practices; mentor/mentee responsibilities and relationships; collaborative research including collaborations with industry; peer review; data acquisition and laboratory tools; management, sharing and ownership; research misconduct and policies for handling misconduct; responsible authorship and publication; the scientist as a responsible member of society, contemporary ethical issues in biomedical research, and the environmental and societal impacts of scientific research for MS and PHD graduate students in the Biomedical Sciences. The importance of and practices to enhance rigor and reproducibility are addressed in several of the lectures. OBGYN 955 provides first year biomedical graduate students with an introductory overview of these topics. OBGYN 956 is designed to provide advanced consideration of these topics to our more experienced students, and to show how these responsible conduct and ethical considerations underlie corresponding grant- and career-related documentation. The course format typically includes lectures by invited guest speakers and faculty, followed by small group discussion of reading assignments and case studies.

*Prerequisites:* OBGYN 955, Pharmacy 800, Nursing 802, Surg Sci 812, or Microbio 901

*Postdoc eligibility:* Suitable for postdocs. Contact the course director to confirm suitability and space availability.