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

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<tr>
<th>Course #</th>
<th>Course Title</th>
<th>RCR Topics Addressed</th>
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<td>Introduction to Clinical Trials II</td>
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<td>Ethical and Regulatory Issues in Clinical Investigation</td>
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School/College: COLLEGE OF ENGINEERING
Department: (347) ENGINEERING PHYSICS
Course: (468) Introduction to Engineering Research
Instructor: Suzannah Sandrik
Credits: 1 credit
Typically offered: Fall          Last offered: Fall 2014        Next offered: Spring 2015
Description: An introduction to the conduct of engineering research: The scientific method, ethics in research, documentation and treatment of research data, publication practices, and the structure of the broader research community are covered.
Postdoc eligibility: Not suitable for postdocs.

School/College: SCHOOL OF MEDICINE AND PUBLIC HEALTH
Department: BIOSTATISTICS AND MEDICAL INFORMATICS
Course: (544) Introduction to Clinical Trials II
Instructor: Christine Sorkness
Credits: 3 credits
Typically offered: Fall          Last offered: Fall 2014        Next offered: TBD
Description: Intended for biomedical researchers, focuses on design, implementation, and conduct of clinical trials. Topics include: regulatory requirements; data collection; data quality and management; budgets; federal,
institutional, and sponsor-defined requirements; establishment of research infrastructures; preparation of investigator-INDs; investigator responsibilities.

Postdoc eligibility: Postdocs may not be guest auditors. Postdocs may register as special students.

School/College: SCHOOL OF MEDICINE AND PUBLIC HEALTH
Department: (452) MEDICAL HISTORY AND BIOETHICS
Course: (545) Ethical and Regulatory Issues in Clinical Investigation
Instructor: Norman Fost
Credits: 1 credit
Typically offered: Fall  Last offered: Fall 2014  Next offered: TBD
Description: This course will explore and examine the ethical issues central to clinical research, regulations governing clinical investigation, and the role of good clinical practice for clinical trials.

Postdoc eligibility: Postdocs may apply to be guest auditors. As guest auditors they are restricted to listening and cannot participate in the discussion.

School/College: SCHOOL OF MEDICINE AND PUBLIC HEALTH
Department: (452) MEDICAL HISTORY AND BIOETHICS
Course: (558) Ethical Issues in Health Care
Instructor: Norman Fost
Credits: 3 credits
Typically offered: Spring  Last offered: Spring 2014  Next offered: Spring 2015
Description: Ethical issues apparently created by new biomedical technologies, such as genetic screening, prenatal diagnosis, prolongation of life, treatment of severe birth defects, in vitro fertilization, behavior modification, psychosurgery, and transplantation.

Postdoc eligibility: Postdocs may apply to be guest auditors. As guest auditors they are restricted to listening and cannot participate in the discussion.

School/College: SCHOOL OF MEDICINE AND PUBLIC HEALTH
Department: (452) MEDICAL HISTORY AND BIOETHICS
Course: (610) Regenerative Medicine Ethics and Society
Instructor: Linda Hogle
Credits: 1-3 credits
Typically offered: Spring, Fall  Last offered: Spring 2014  Next offered: Spring 2015
Description: Study of regenerative medicine and stem cell research within social, ethical and political contexts.

Postdoc eligibility: Postdocs may be guest auditors with consent of instructor.

School/College: SCHOOL OF MEDICINE AND PUBLIC HEALTH
Department: (700) ONCOLOGY
Course: (675) Appropriate Conduct in Science
Instructor: Janet Mertz, Michael Gould
Credits: 1 credit
Typically offered: Spring  Last offered: Spring 2014  Next offered: Spring 2015
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  Last offered: Fall 2014  Next offered: TBD
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.

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: Occasionally Last offered: Spring 2014 Next offered: Spring 2015

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: Occasionally Last offered: Fall 2014 Next offered: TBD

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: Every Spring Semester Last offered: Spring 2014 Next offered: Spring 2015

Description: Examination and discussion of 9 topic areas required by NIH Institutional Training Grants. Topic area experts contribute to the weekly classroom. Attendance and final presentation required

Postdoc eligibility: Postdocs are encouraged to participate, and may fulfill RCR training requirements of their PHS fellowships.

School/College: (528) LAW SCHOOL
Course: (905) Bioethics and the Law
Instructor: R. Alta Charo
Credits: 2-4 credits
Typically offered: Occasionally Last offered: Spring 2014 Next offered: TBD

Description: Introduction to the legal, ethical and public policy dimensions of modern medicine and biomedical research. Informed consent, human experimentation, death and dying, organ transplantation, allocation of scarce resources. May cover reproductive and genetic issues in some years.

Postdoc eligibility: Postdocs may be guest auditors space permitting.
Research Ethics Courses Offered at UW-Madison

School/College: (528) LAW SCHOOL
Course: (906) Law, Science, and Biotechnology
Instructor: R. Alta Charo
Credits: 2-4 credits
Typically offered: Occasionally   Last offered: Spring 2013   Next offered: TBD
Description: Legal, ethical, social and public policy questions raised by modern scientific and technological developments, with a particular focus on biotechnology.
Postdoc eligibility: Postdocs may be guest auditors space permitting.

School/College: (528) LAW SCHOOL
Course: (940) Law and Contemporary Problems: Public Health Law
Instructor: R. Alta Charo
Credits: 1-3 credits
Typically offered: Occasionally   Last offered: Fall 2014   Next offered: TBD
Description: This course will survey examples of classic public health efforts mediated through law, including surveillance, screening, quarantine, vaccination, birth control, sanitation, food safety, nutrition, and physical fitness. It will also touch on some modern areas of activity, such as newborn genetic screening, smoking cessation, accident prevention, gun control, domestic violence reporting, and obesity reduction.
Postdoc eligibility: Postdocs may be guest auditors space permitting.

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   Last offered: Fall 2014   Next offered: TBD
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 Biological Sciences. 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.