



Chemistry-Biology Interface Training Program

OPTIONS FOR MEETING THE ETHICS COURSE REQUIREMENT

FALL

Med Hist 545 Ethical and Regulatory Issues in Clinical Investigation

Instructor: Norm Frost

School of Medicine and Public Health

Fall – 1 credit

This course will explore and examine the ethical issues central to clinical research, and the regulations governing clinical investigation. Topics include history, consent, randomized clinical trial, special subjects, medical records, and database research, genetic studies, cultural issues, and research in developing countries.

Biochem/BMC 701 Professional Responsibility

Instructor: Michael Cox

College of Agriculture and Life Sciences

Fall – 1 credit

Training for the practical aspects of being a scientist. Will cover ethics, peer review, grant writing, science communication, career alternatives, paper writing, experimental design, research documentation, science funding, academic-private interface, scientific fraud, and more. (Limited to IPiB students)

Surg Sci 812 Research Ethics and Career Development

Instructor: Dale Bjorling

School of Veterinary Medicine

Fall – 2 credits

The purpose of this seminar is to provide trainees with information that will be useful in their development as scientists and will provide a frame of reference as they struggle with issues of authorship, plagiarism, scientific misconduct or fraud, mentoring, starting their career, developing a research program, and writing.

Chem/Microbio 901 Advanced Seminar: Responsible Conduct of Research

Instructor: Tim Donohue

School of Medicine and Public Health

Fall and Spring - 1 credit

This is a discussion-based course that will discuss issues for which there will often be quite legitimate, but different, perspectives. Topics will be introduced in this course largely through the use of case studies that focus on one or more ethical issues.

OPTIONS FOR MEETING THE ETHICS COURSE REQUIREMENT

SPRING

Oncology 675 Appropriate Conduct of Science

Instructor: Janet Mertz and Gary Roberts
School of Medicine and Public Health
Spring – 1 credit

A review, and discussion of, ethical questions in science.

Nursing 802 Ethics and the Responsible Conduct of Research

Instructor: Audrey Tluczek
School of Nursing
Spring – 1 credit

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.

Chem/Microbio 901 Advanced Seminar: Responsible Conduct of Research

Instructor: Tim Donohue
School of Medicine and Public Health
Fall and Spring - 1 credit

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Med Hist 999 Research Ethics

Instructor: Rob Streiffer, Jim Coors, Sara Peterson
School of Medicine and Public Health
Spring – 1 credit

The course objective is to enable students to understand the policies regulating research at land grant universities and the moral principles on which these policies are based. After completing the course, students should have the ability to explain (1) the research mission of land grant universities, (2) the ethical principles supporting research policies, (3) the policies that regulate research on such issues as mentoring and under-represented minorities and women in research, research misconduct, authorship and peer review, intellectual property, conflicts of interest and commitments, proper experimental design, data collection, and statistical interpretation, (4) discipline-specific issues chose on the basis of current enrollment, and (5) the importance of life-long learning in research ethics and how to find updated information.