



## Fulfilling Requirements in Responsible Conduct of Research

All trainees, fellows, participants, and scholars receiving support through any NIH training grant, career development award (individual or institutional), research education grant, or dissertation research grant must receive instruction in the RCR, per “FY 2022 Updated Guidance: Requirement for Instruction in the Responsible Conduct of Research,” NOT-OD-22-055. The NIH policy outlines requirements for the format of instruction, frequency and timing, and subject matter. These should be reviewed here:

<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-22-055.html> accessed January 2024.

### Courses Offered at Ohio State to Fulfill Those Requirements

#### Graduate School 8000: Responsible Conduct of Research (Course ID 37106)

This course was specifically designed to meet NIH requirements in RCR training. The course provides a practical overview of the rules, regulations and professional practices that define the responsible conduct of research. Covers all the topics required by the National Institutes of Health. The course features weekly facilitated discussions from experts across campus. 1 Credit. Offered Spring term. Registration through BuckeyeLink.

The following courses have not been formally reviewed or audited for their fulfillment of NIH requirements but based on a review by the Office of Research, course syllabi indicate they would meet NIH requirements for subject area, format, and duration. Note that ethics courses alone typically are not sufficient to meet RCR requirements.<sup>1</sup>

#### Pharmacy 8520 - Research Ethics

Basic concepts of integrity in the process of research. The course covers all areas of responsible conduct of research including mentor/trainee roles, data management, animal use, human subjects. Offered the first four weeks of summer term. The course fulfills NIH requirement for research ethics. Dr. Cynthia Carnes, instructor. 1 credit

#### Vision Science 7960 - Ethics in Biomedical Research

Provides a general understanding of the issues surrounding the ethical conduct of science including issues related to research involving human subjects, scientific misconduct, and authorship of scientific papers. Real-life case studies will be used. Often offered Fall Term. Dr. Karla Zadnik, instructor. 2 credits.

#### Animal Science 7789 - Nutrition Research Ethics

Exploring critical aspects in conducting research, including ethical considerations, authorship, conflicts of interests, and intellectual property rights. Cross-listed in HumnNtr 7789. 1 credit. Offered in person Autumn term.

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<sup>1</sup> The Ohio State “Institutional Responsible Conduct of Research Training Plan” can be found at <https://research.osu.edu/research-responsibilities-and-compliance/responsible-conduct-research> accessed December 2023.



**Biomedical Engineering 6983 - Research Ethics**

Introduction to professional and ethical issues confronting biomedical research and researchers and approaches to dealing with such issues. 2 credits. Offered in person most semesters.

**Biopharmacy 5510 - Responsible Conduct in Biomedical Research**

The broad intent of this course is to highlight the importance of responsible conduct in biomedical research and to explore how critical ethical thinking can be used to analyze personal decisionmaking, public regulation, and the law concerning advanced biomedical sciences/technologies and their clinical applications. 1-2 credits. Offered Summer.

**Biopharmacy 7510 - Professional and Ethical Issues in Biomedical Sciences**

A discussion course based on case scenarios dealing with ethical issues facing biomedical researchers, such as publishing practices, confidentiality, mentoring. 2 credits. Offered Spring Semester.

The Office of Research review also suggests that these courses meet NIH requirements for subject area, format, and duration:

BIOPHYS 7600 - First-Year Student Orientation

MCDBIO 7600 - First-Year Student Orientation

MICRBIO 7600 - First Year Student Orientation

MOLGEN 7600 - First-Year Student Orientation

OSBP 7600 - First-Year Student Orientation

**Other Training Programs NIH Fall Ethical and Regulatory Aspects of Clinical Research Annual Forum**

This is a seven-week annual presentation (typically offered September to November) by the NIH Bioethics program regarding various ethical issues of conducting human subject research. Presentations are via NIH VideoCast live and recordings may be accessed about 48 hours after the presentation via their Archive portal. Participants may request either a Certificate of Completion or Nursing CEUs by pre-registering Online and attending a set number of programs. You can find more information at the program website:

<https://bioethics.nih.gov/courses/ethical-regulatory-aspects.shtml>

**Conversations about Research Ethics (CARE) Training Program**

The Center for Ethics and Human Values (CEHV) offers a semester-long, multidisciplinary, and discussion-based program on research ethics called the CARE Training Program. It involves 8 hour-long sessions led by CEHV ethicists. The program does not fulfill all the NIH requirements but is an excellent refresher on research ethics topics. Details here:

<https://cehv.osu.edu/caretraining-program>

**Responsible Conduct of Research Training at Nationwide Children's Hospital**

Nationwide Children's Hospital offers a Responsible Conduct of Research Training Series at various times during the year. The course fulfills NIH requirements.

For details, contact [Michelle.Abraham@nationwidechildrens.org](mailto:Michelle.Abraham@nationwidechildrens.org)