

Responsible Conduct of Research Course: Fall 2024

For Postdoctoral and Medical Research Fellows and Early Career Researchers

I. Course Overview

1. Who should take this course?

The Responsible Conduct of Research course is designed to satisfy ethics training requirements of federal agencies such as the NIH, NSF, and DOD, specifically for Postdocs, Medical Research Fellows, and Early Career Researchers.

2. What does this course look like?

- Sessions will include presentations by faculty and discussion of topic-specific cases.
- Readings, case study submission, and communications about the course will be available through Brainier.

3. When is the course?

- Tuesdays: September 17, October 1, October 8, October 15, October 29
- 2:45pm to 4:55pm, two sessions with a short break in between
- All sessions will be in-person only.
- You must attend all sessions to receive credit.

4. What should I gain by the end of this course?

- Knowledge of national and university principles, laws and policies that guide the ethical conduct of research
- Increased awareness in application of ethical principles and policies in present and future research efforts and resolution of ethical problems through discussions of these principles with expert and experienced faculty.
- Encouraged use of ethical guiding principles in planning future careers.
- Deeper understanding of the broad complexity of ethical problems.

5. Whom can I email when I have a question?

- Course content:
Aryeh Stein, PhD, Rollins School of Public Health, aryeh.stein@emory.edu;
Lou Ann Brown, PhD, Office of Postdoctoral Education, lbrow03@emory.edu
- Course materials and records: TBN, teaching assistant
- Registration: Brian Ciliax, Director of Data Services, Office of Postdoctoral Education, bciliax@emory.edu
- Course certificates: Beverly Medley, Senior Program Coordinator, Office of Postdoctoral Education, beverly.medley@emory.edu
- IT/Brainier: Brainier support: Avril Occilien-Similien (avril.occilien-similien@emory.edu) or Lauren-Ashley Mincey (lauren-ashley.mincey@emory.edu)

II. Course Map

In-person sessions will be in: [Emory Center for Innovation at The Hatchery, Room 121/123 \(1578 Avenue Place, Suite 200, Atlanta, GA 30329\)](#)

<i>Date</i>	Topic and Facilitator	Time
September 17	Course Overview and Research with Human Participants <i>Aryeh Stein</i>	2:45 – 3:45pm
	Data Science, Data Privacy & Data Sharing <i>Lance Waller</i>	3:55 – 4:55pm
October 1	Team Science <i>Carmen Marsit</i>	2:45 – 3:45pm
	Authorship <i>Judy Fridovich-Keil</i>	3:55 – 4:55pm
October 8	Mentorship <i>Larry Boise</i>	2:45 – 3:45pm
	Conflict of Interest & Conflict of Commitment <i>Deepika Bhatia</i>	3:55 – 4:55pm
October 15	Use of Animal Subjects in Research <i>Denise Levesque & Yoland Smith</i>	2:45 – 3:45pm
	Scientific Misconduct <i>Aryeh Stein</i>	3:55 – 4:55pm
October 29	Safe Environments <i>Joanne McGriff</i>	2:45 – 3:45pm
	Lab Data Management <i>Lou Ann Brown</i>	3:55 – 4:55pm
November 5	Final Course Review Due	

Brainier: Background Information Documents on Each Topic may include:

1. Introduction to the topic and importance in research
2. Historical perspective of the importance of the topic Relevant national and Emory University Guidelines and Policies
3. Sample Case Studies with guide questions that can be used as examples to construct a case study for assignment submission. These examples illustrate the ethical principles involved in each topic.
4. Links to additional literature and resources on the topic

IIIa. Assignments: Overview and deadlines

Please submit directly to Brainier under the corresponding Assignment. All assignments are due by 11:59pm on the date listed.

For Postdocs and Fellows: Case Studies and Final Course Review

<i>Due Dates</i>	<i>Assignment</i>
September 16	Case Study: <i>Research with Human Participants</i> OR <i>Data Science, Data Privacy & Data Sharing</i>

September 30	Case Study: <i>Team Science</i> OR <i>Authorship</i>
October 7	Case Study: <i>Mentorship</i> OR <i>Conflict of Interest & Conflict of Commitment</i>
October 14	Case study: <i>Use of Animal Subjects in Research</i> OR <i>Scientific Misconduct</i>
October 28	Case study: <i>Safe Environments</i> OR <i>Lab Data Management</i>
November 5	Final Course Review

For Faculty: Teaching/Mentoring Reports & Final Course Review

<i>Due Dates</i>	<i>Assignment</i>
October 28	Report of two required mentoring/teaching sessions on (1) <i>Authorship</i> AND (2) <i>Mentorship</i>
November 5	Final Course Review

IIIb. Assignments: Description

Postdocs and Medical Fellows

1. Read the Background Information documents prior to class
2. Submit a Case for one of the topics to be discussed in each session.
 - a. Write a Case /Scenario (approximately 250 words – ½ page single space) of an ethical problem you have personally experienced, know of in other labs, or can imagine, that illustrates some of the principles in the Background Information document.
 - b. At the end of your case, write three questions that could be used in class discussions of the principle(s) illustrated in your case and could lead to recommendations for action or solutions to the problem(s) in the case study.
 - c. The case study is to be submitted as an upload to Brainier the evening before the classroom discussions (see due dates above).
3. Complete the multiple-choice course review questions (will be available after last session)

Faculty-rank Registrants

1. Read the Background Information documents prior to class
2. Conduct two (one-hour each) discussions with graduate student(s) or Postdoc(s) using case studies and/or policies on
 - a. **Authorship** AND
 - b. **Mentorship**

A summary of the two mentoring/teaching sessions (~200 words each) is to be signed by the faculty person and trainee(s) and submitted by the end of the course to Brainier.

3. Complete the multiple-choice course review questions (will be available after last session)

IV. Administrative policies

Will I receive documentation of successful completion of the course? To receive a certificate and verification from the Office of the Postdoctoral Education that the Ethics course was taken and completed as required by NIH, you are required to

- 1) Submit all required assignments
- 2) Attend ALL discussion sessions
- 3) Submit the completed Final Course Review with a grade of at least 75%.

The Office of Postdoctoral Education will provide a description of the course that can be used in fellowship and grant applications.

What if I need to miss a class? If extraordinary circumstances preclude attending a session, please let Aryeh Stein (Aryeh.stein@emory.edu) know. You will be expected to make up the session in a subsequent offering of the course.

V. Acknowledgements

We wish to thank the following for providing educational materials for this course and permission to use them as needed: Dr. Ruth Fischbach, Professor of Bioethics and Co-founder of the Center for Bioethics at the Columbia University College of Surgeons. Dr. Fischbach's on-line Columbia University course served as a model structure for the present on-line component of this course. Drs. John Banja, Director of the Ethics Program and Arri Eisen, Ethics Center Emory University suggested expert faculty and their example case studies have been invaluable as well as their shared experiences from directing other Ethics courses. We also thank the Emory faculty who contribute time and expertise to lead the case study discussions. The websites of the Office of Research Integrity, US Department of Health and Human Services and the Responsible Conduct of Research Course of the University of Wisconsin served as important sources of information for this course.
