

RCR training modules, (MSU IRB training and CITI modules) are mandatory components of a series of courses (OST550, 551, 552, 553, 554, and 555). Completion of the required training elements are tracked for each student by the MSUCOM Office of Student Services. Targeted introduction of RCR topics are in alignment with expanding roles of COM students in both clinical and basic biomedical research during the four year curriculum. Combination of both face-to-face learning complemented and supported by online learning modules developed by multiple members of the MSU-COM basic research, clinical research, administrative and support staff.

YEAR 1

OST 550 1 hour Introduction to RCR and Briefing Seminar; OST 550 1.5 hour IRB face to face sessions on Human Research Topics

Online learning: MSU IRB online Introductory Tutorial training module: "What you need to know about the protection of human subjects of Research"

MSU-COM HIPAA introduction module

CITI (Collaborative Institutional Training Initiative) RCR for Biomedical Research Focus

Modules: Introduction to the Responsible Conduct of Research Module; Research Misconduct Module; Case study: Plagiarism

YEAR 2: 3 hours of RCR training in year 2; Face to Face learning:
1 hour IRB face to face sessions on Human Research Topics

CITI modules:

Data Acquisition and Management

Foundation text and embedded quizzes

Case study: Share and share alike

Case study: Who owns research data

Using Animal Subjects in Research

YEAR 3:

3 hours of RCR training

MSU IRB refresher modules:

IRB online re-training module:

6 modules out of the following:

- Avoiding Group Harms: U.S. Research Perspectives (ID: 14080)
- Unanticipated Problems/Reporting Requirements in Biomedical Research (ID: 14777)
- History and Ethical Principles - SBR (ID: 490)
- History and Ethical Principles (ID: 498)
- Defining Research with Human Subjects - SBR (ID: 491)
- The Regulations and The Social and Behavioral Sciences - SBR (ID: 502)
- Basic Institutional Review Board (IRB) Regulations and Review Process (ID: 2)
- Assessing Risk in Social and Behavioral Sciences - SBR (ID: 503)
- Informed Consent - SBR (ID: 504)
- Informed Consent (ID: 3)
- Privacy and Confidentiality - SBR (ID: 505)
- Social and Behavioral Research for Biomedical Researchers (ID: 4)
- Records-Based Research (ID: 5)
- Genetic Research in Human Populations (ID: 6)
- Research With Protected Populations - Vulnerable Subjects: An Overview (ID: 7)
- Research with Prisoners - SBR (ID: 506)
- Vulnerable Subjects - Research Involving Prisoners (ID: 8)
- Research with Children - SBR (ID: 507)

- Vulnerable Subjects - Research Involving Children (ID: 9)
- Research in Public Elementary and Secondary Schools - SBR (ID: 508)
- Vulnerable Subjects - Research on Pregnant Women, Fetuses, and Neonates (ID: 10)
- International Research - SBR (ID: 509)
- International Studies (ID: 971)
- Internet Research - SBR (ID: 510)
- FDA-Regulated Research (ID: 12)
- Human Subjects Research at the VA (ID: 13)
- Research and HIPAA Privacy Protections (ID: 14)
- Vulnerable Subjects - Research Involving Workers/Employees (ID: 483)

YEAR 4: 3 hours of RCR training in year 4

CITI Modules:

Responsible Conduct of Research with Human Subjects

Mentor and Trainee Responsibilities

Conflicts of Interest and Commitment and Case Studies

Case Study: The Case of the Promising New Technology

Case Study: The Case of the Entrepreneurial Clinician

Collaborative Research and Science Module