



## Responsible Conduct of Research (RCR)

CITI Program's RCR series is composed of six basic courses and one refresher course. Both the basic and refresher courses contain modules that cover core RCR topics.

An additional standalone course entitled, *Conflicts of Interest (COI)*, covers the revised Public Health Service (PHS) regulations associated with financial conflicts of interest and an investigator's responsibilities relating to the disclosure of "Significant Financial Interests."

This catalog provides a listing and description of each module within the RCR series, as well as their recommended use, continuing education (CE) eligibility, and language availability.

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## Basic Courses

The basic courses in the RCR series cover core RCR topics. Five of the basic courses have a disciplinary focus. These courses focus on the Biomedical Sciences, Engineering, Humanities, Physical Sciences, and Social, Behavioral, and Education (SBE) Sciences. Each of these five courses is suitable for any person involved in research, ranging from upper-level undergraduates to established faculty. Particular emphasis is given to the educational needs of graduate students and post-doctoral researchers. The sixth basic course is tailored specifically towards Research Administration. To complement any of the basic RCR courses, multiple *Additional Modules of Interest* are also available and may be used to help broaden the training. For recommendations on how to use a basic RCR course, see the [Using CITI Program Content: Responsible Conduct of Research \(RCR\)](#) document.

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### RCR for Biomedical Sciences

This course provides an introduction to RCR in the biomedical (biomed) sciences. It is designed for students, faculty, postdocs, and other biomedical researchers.

Module Title	Recommended Use
Authorship (RCR-Biomed)	Required
Collaborative Research (RCR-Biomed)	Required
Conflicts of Interest (RCR-Biomed)	Required
Data Management (RCR-Biomed)	Required
Mentoring (RCR-Interdisciplinary)	Required
Peer Review (RCR-Biomed)	Required
Research Involving Human Subjects (RCR-Interdisciplinary)	Required
Research Misconduct (RCR-Biomed)	Required
Using Animal Subjects in Research (RCR-Interdisciplinary)	Required

#### Authorship (RCR-Biomed)

This module provides an overview of the ethical responsibilities of authors. It includes a discussion of how authorship should be determined and improper practices such as “ghost authorship” and “gift authorship.”

#### Language Availability

English (ID: 1380)

Portuguese (ID: 13955)  
Russian (ID: 14563)

### **Collaborative Research (RCR-Biomed)**

This module provides an overview of ethical issues relating to collaborative research partnerships. It includes a discussion of issues relating to collaborating with researchers from other disciplines and with industry.

#### **Language Availability**

English (ID: 1450)  
Spanish (ID: 13521)  
Portuguese (ID: 13603)

### **Conflicts of Interest (RCR-Biomed)**

This module describes conflicts of interest, which are defined by varying regulatory requirements. It includes a discussion of conflicts of interest with an emphasis on financial conflicts of interest, the U.S. Department of Health and Human Services' (HHS) 2011 final rule, and the ethical concerns that arise from conflicts of commitment.

#### **Language Availability**

English (ID: 1622)  
Spanish (ID: 13520)  
Portuguese (ID: 13599)

### **Data Management (RCR-Biomed)**

This module provides an overview of ethical issues relating to data. This includes issues relating to data acquisition, management, sharing, and ownership.

#### **Language Availability**

English (ID: 1308)  
Spanish (ID: 13569)  
Portuguese (ID: 13602)  
Russian (ID: 14542)

### **Mentoring (RCR-Interdisciplinary)**

This module provides an overview of the ethical responsibilities of mentors and trainees. It includes a discussion of the differences between an advisor and a mentor, and strategies for managing conflicts between mentors and trainees.

#### **Language Availability**

English (ID: 1250)  
Russian (ID: 14537)

### **Peer Review (RCR-Biomed)**

This module provides an overview of the ethical responsibilities of authors, editors, and reviewers of manuscripts. It also includes a discussion of the grant proposal review process.

#### **Language Availability**

English (ID: 1368)

### Research Involving Human Subjects (RCR-Interdisciplinary)

This module provides an introduction to ethical and regulatory issues relating to the participation of human beings in research. It includes a description of the informed consent process and the *Common Rule*, which is a set of regulations adopted by a number of U.S. federal agencies. NOTE: this module is not intended to replace the *Human Subjects Research* (HSR) course or other training required by federal agencies or institutional review boards (IRBs).

#### Language Availability

English (ID: 13566)

### Research Misconduct (RCR-Biomed)

This module describes the three main practices (fabrication, falsification, and plagiarism) that constitute research misconduct and the steps that can be taken to handle allegations of research misconduct.

#### Language Availability

English (ID: 1215)

Spanish (ID: 13522)

Portuguese (ID: 13600)

### Using Animal Subjects in Research (RCR-Interdisciplinary)

This module provides an introduction to ethical and regulatory issues relating to the use of animal subjects in research. It includes a description of federal regulations governing how research with animal subjects should be conducted. NOTE: this module is not intended to replace the *Animal Care and Use* (ACU) course or other training required by federal agencies or institutional animal care and use committees (IACUCs).

#### Language Availability

English (ID: 13301)

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## RCR for Engineering

This course provides an introduction to RCR for engineers. It is designed for students, faculty, postdocs, and other engineering researchers.

Module Title	Recommended Use
Authorship (RCR-Engineering)	Required
Collaborative Research (RCR-Engineering)	Required
Conflicts of Interest (RCR-Engineering)	Required
Data Management (RCR-Engineering)	Required
Environmental and Social Dimensions of Engineering Research (RCR-Engineering)	Required
Mentoring (RCR-Engineering)	Required
Peer Review and Publication (RCR-Engineering)	Required
Research Involving Human Subjects (RCR-Engineering)	Required
Research Misconduct (RCR-Engineering)	Required
Using Animal Subjects in Engineering Research	Required
Whistleblowing and the Obligation to Protect the Public (RCR-Engineering)	Supplemental

### Authorship (RCR-Engineering)

This module provides an overview of the ethical responsibilities of authors. It includes a discussion of how authorship should be determined and improper practices such as “ghost authorship” and “gift authorship.”

#### Language Availability

English (ID: 12877)

### Collaborative Research (RCR-Engineering)

This module provides an overview of ethical issues relating to collaborative research partnerships. It includes a discussion of issues relating to collaborating with researchers from other disciplines and with industry.

#### Language Availability

English (ID: 12912)

### Conflicts of Interest (RCR-Engineering)

This module describes conflicts of interest, which are defined by varying regulatory requirements. It includes a discussion of conflicts of interest with an emphasis on financial conflicts of interest, the U.S. Department of Health and Human Services' (HHS) 2011 final rule, and the ethical concerns that arise from conflicts of commitment.

#### Language Availability

English (ID: 12875)

### Data Management (RCR-Engineering)

This module provides an overview of ethical issues relating to data. This includes issues relating to data acquisition, management, sharing, and ownership.

#### Language Availability

English (ID: 12911)

### Environmental and Social Dimensions of Engineering Research (RCR-Engineering)

This module provides an overview of the responsibilities that engineering researchers have to take when it comes to environmental and social considerations. It includes a discussion of moral development, risk, and sustainability.

#### Language Availability

English (ID: 12835)

### Mentoring (RCR-Engineering)

This module provides an overview of the ethical responsibilities of mentors and trainees. It includes a discussion of the differences between an advisor and a mentor, and strategies for managing conflicts between mentors and trainees.

#### Language Availability

English (ID: 12863)

### Peer Review and Publication (RCR-Engineering)

This module provides an overview of the ethical responsibilities of authors, editors, and reviewers of manuscripts. It also includes a discussion of the grant proposal review process.

#### Language Availability

English (ID: 12861)

### Research Involving Human Subjects (RCR-Engineering)

This module provides an introduction to ethical and regulatory issues relating to the participation of human beings in research. It includes a description of the informed consent process and the *Common Rule*, which is a set of regulations adopted by a number of U.S. federal agencies. NOTE: this module is not intended to replace the *Human Subjects Research* (HSR) course or other training required by federal agencies or institutional review boards (IRBs).

**Language Availability**

English (ID: 12864)

**Research Misconduct (RCR-Engineering)**

This module describes the three main practices (fabrication, falsification, and plagiarism) that constitute research misconduct and the steps that can be taken to handle allegations of research misconduct.

**Language Availability**

English (ID: 12858)

**Using Animal Subjects in Engineering Research**

This module provides an introduction to ethical and regulatory issues relating to the use of animal subjects in research. It includes a description of federal regulations governing how using animal subjects in research should be conducted. NOTE: this module is not intended to replace the *Animal Care and Use* (ACU) course or other training required by federal agencies or institutional animal care and use committees (IACUCs).

**Language Availability**

English (ID: 12905)

**Whistleblowing and the Obligation to Protect the Public (RCR-Engineering)**

This module provides a description of whistleblowing and the obligations that engineering researchers have to protect the public. This module includes a discussion of the differences between “internal” and “external” whistleblowing and the fundamental canon of engineering ethics.

**Language Availability**

English (ID: 12862)

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## RCR for Humanities

This course provides an introduction to RCR for humanities. It is designed for students, faculty, postdocs, and other humanities researchers.

Module Title	Recommended Use
Authorship (RCR-Humanities)	Required
Collaborative Research (RCR-Humanities)	Required
Conflicts of Interest (RCR-Humanities)	Required
Data Management (RCR-Humanities)	Required
Mentoring (RCR-Interdisciplinary)	Required
Peer Review (RCR-Humanities)	Required
Research Involving Human Subjects (RCR-Interdisciplinary)	Required
Research Misconduct (RCR-Humanities)	Required

### Authorship (RCR-Humanities)

This module provides an overview of the ethical responsibilities of authors. It includes a discussion of how authorship should be determined and improper practices such as “ghost authorship” and “gift authorship.”

#### Language Availability

English (ID: 1533)

### Collaborative Research (RCR-Humanities)

This module series provides an overview of ethical issues relating to collaborative research partnerships. It includes a discussion of issues relating to collaborating with researchers from other disciplines and with industry.

#### Language Availability

English (ID: 1058)

### Conflicts of Interest (RCR-Humanities)

This module describes conflicts of interest, which are defined by varying regulatory requirements. It includes a general discussion of conflicts of interest with an emphasis on financial conflicts of interest and the ethical concerns that arise from conflicts of commitment.

#### Language Availability

English (ID: 1624)

### Data Management (RCR-Humanities)

This module provides an overview of ethical issues relating to data. This includes issues relating to data acquisition, management, sharing, and ownership.

#### Language Availability

English (ID: 1525)

### Mentoring (RCR-Interdisciplinary)

This module provides an overview of the ethical responsibilities of mentors and trainees. It includes a discussion of the differences between an advisor and a mentor and strategies for managing conflicts between mentors and trainees.

#### Language Availability

English (ID: 1250)

Russian (ID: 14537)

### Peer Review (RCR-Humanities)

This module provides an overview of the ethical responsibilities of authors, editors, and reviewers of manuscripts. It also includes a discussion of the grant proposal review process.

#### Language Availability

English (ID: 1534)

### Research Involving Human Subjects (RCR-Interdisciplinary)

This module provides an introduction to ethical and regulatory issues relating to the participation of human beings in research. It includes a description of the informed consent process and the *Common Rule*, which is a set of regulations adopted by a number of U.S. federal agencies. NOTE: this module is not intended to replace the *Human Subjects Research* (HSR) course or other training required by federal agencies or institutional review boards (IRBs).

#### Language Availability

English (ID: 13566)

### Research Misconduct (RCR-Humanities)

This module describes the three main practices (fabrication, falsification, and plagiarism) that constitute research misconduct and the steps that can be taken to handle allegations of research misconduct.

#### Language Availability

English (ID: 1497)

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## RCR for Physical Sciences

This course provides an introduction to RCR for the physical sciences. It is designed for students, faculty, postdocs, and other physical science researchers.

<b>Module Title</b>	<b>Recommended Use</b>
Authorship (RCR-Physical Sciences)	Required
Collaborative Research (RCR-Physical Sciences)	Required
Conflicts of Interest (RCR-Physical Sciences)	Required
Data Management (RCR-Physical Sciences)	Required
Mentoring (RCR-Interdisciplinary)	Required
Peer Review (RCR-Physical Sciences)	Required
Research Involving Human Subjects (RCR-Interdisciplinary)	Supplemental
Research Misconduct (RCR-Physical Sciences)	Required
Using Animal Subjects in Research (RCR-Interdisciplinary)	Supplemental

### Authorship (RCR-Physical Sciences)

This module provides an overview of the ethical responsibilities of authors. It includes a discussion of how authorship should be determined and improper practices such as “ghost authorship” and “gift authorship.”

#### Language Availability

English (ID: 1527)

### Collaborative Research (RCR-Physical Sciences)

This module provides an overview of ethical issues relating to collaborative research partnerships. It includes a discussion of issues relating to collaborating with researchers from other disciplines and with industry.

#### Language Availability

English (ID: 1514)

### Conflicts of Interest (RCR-Physical Sciences)

This module describes conflicts of interest, which are defined by varying regulatory requirements. It includes a discussion of conflicts of interest with an emphasis on financial conflicts of interest and the ethical concerns that arise from conflicts of commitment.

#### Language Availability

English (ID: 1623)

### Data Management (RCR-Physical Sciences)

This module provides an overview of ethical issues relating to data. This includes issues relating to data acquisition, management, sharing, and ownership.

#### Language Availability

English (ID: 1524)

### Mentoring (RCR-Interdisciplinary)

This module provides an overview of the ethical responsibilities of mentors and trainees. It includes a discussion of the differences between an advisor and a mentor, and strategies for managing conflicts between mentors and trainees.

#### Language Availability

English (ID: 1250)

Russian (ID: 14537)

### Peer Review (RCR-Physical Sciences)

This module provides an overview of the ethical responsibilities of authors, editors, and reviewers of manuscripts. It also includes a discussion of the grant proposal review process.

#### Language Availability

English (ID: 1528)

Russian (ID: 14532)

### Research Involving Human Subjects (RCR-Interdisciplinary)

This module provides an introduction to ethical and regulatory issues relating to the participation of human beings in research. It includes a description of the informed consent process and the *Common Rule*, which is a set of regulations adopted by a number of U.S. federal agencies. NOTE: this module is not intended to replace the *Human Subjects Research* (HSR) course or other training required by federal agencies or institutional review boards (IRBs).

#### Language Availability

English (ID: 13566)

### **Research Misconduct (RCR-Physical Sciences)**

This module describes the three main practices (fabrication, falsification, and plagiarism) that constitute research misconduct and the steps that can be taken to handle allegations of research misconduct.

#### **Language Availability**

English (ID: 1496)

### **Using Animal Subjects in Research (RCR-Interdisciplinary)**

This module provides an introduction to ethical and regulatory issues relating to the use of animal subjects in research. It includes a description of federal regulations governing how using animal subjects in research should be conducted. Please note this module is not intended to replace the *Animal Care and Use (ACU)* course or other training required by federal agencies or institutional animal care and use committees (IACUCs).

#### **Language Availability**

English (ID: 13301)

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## RCR for Research Administration

This course provides an introduction to RCR for research administration (ResAdmin).

Module Title	Recommended Use
Collaborative Research (RCR-ResAdmin)	Required
Conflicts of Interest (RCR-ResAdmin)	Required
Data Management (RCR-ResAdmin)	Required
Financial Responsibility (RCR-ResAdmin)	Required
Mentoring (RCR-ResAdmin)	Required
Research Involving Human Subjects (RCR-Interdisciplinary)	Supplemental
Research Misconduct (RCR-Biomed)	Required
Using Animal Subjects in Research (RCR-Interdisciplinary)	Supplemental

### Collaborative Research (RCR-ResAdmin)

This module provides an overview of ethical issues relating to collaborative research partnerships. It includes a discussion of issues relating to collaborating with researchers from other disciplines and with industry.

#### Language Availability

English (ID: 1237)

### Conflicts of Interest (RCR-ResAdmin)

This module describes conflicts of interest, which are defined by varying regulatory requirements. It includes a discussion of conflicts of interest with an emphasis on financial conflicts of interest and the ethical concerns that arise from conflicts of commitment.

#### Language Availability

English (ID: 1713)

### Data Management (RCR-ResAdmin)

This module provides an overview of ethical issues relating to data. This includes issues relating to data acquisition, management, sharing, and ownership.

#### Language Availability

English (ID: 12802)

### Financial Responsibility (RCR-ResAdmin)

This module covers issues associated with the management of grant monies.

#### Language Availability

English (ID: 12800)

### Mentoring (RCR-ResAdmin)

This module provides an overview of the ethical responsibilities of mentors and trainees. It includes a discussion of the differences between an advisor and a mentor and strategies for managing conflicts between mentors and trainees.

#### Language Availability

English (ID: 12801)

### Research Involving Human Subjects (RCR-Interdisciplinary)

This module provides an introduction to ethical and regulatory issues relating to the participation of human beings in research. It includes a description of the informed consent process and the *Common Rule*, which is a set of regulations adopted by a number of U.S. federal agencies. NOTE: this module is NOT intended to replace the *Human Subjects Research* (HSR) course or other training required by federal agencies or institutional review boards (IRBs).

#### Language Availability

English (ID: 13566)

### Research Misconduct (RCR-Biomed)

This module describes the three main practices (fabrication, falsification, and plagiarism) that constitute research misconduct and the steps that can be taken to handle allegations of research misconduct.

#### Language Availability

English (ID: 1215)

Spanish (ID: 13522)

Portuguese (ID: 13600)

### Using Animal Subjects in Research (RCR-Interdisciplinary)

This module provides an introduction to ethical and regulatory issues relating to the use of animal subjects in research. It includes a description of federal regulations governing how using animal subjects in research should be conducted. This module was formerly entitled *The Use of Live Animals in Research*. Note: this module is not intended to replace the *Animal Care and Use* (ACU) courses or other training required by federal agencies or institutional animal care and use committees (IACUCs).

#### Language Availability

English (ID: 13301)

Russian (ID: 14188)

## RCR for Social, Behavioral, and Education (SBE) Sciences

This course provides an introduction to RCR in the SBE sciences. It is designed for students, faculty, postdocs, and other SBE researchers.

Module Title	Recommended Use
Authorship (RCR-SBE)	Required
Collaborative Research (RCR-SBE)	Required
Conflicts of Interest (RCR-SBE)	Required
Data Management (RCR-SBE)	Required
Mentoring (RCR-Interdisciplinary)	Required
Peer Review (RCR-SBE)	Required
Research Involving Human Subjects (RCR-Interdisciplinary)	Required
Research Misconduct (RCR-SBE)	Required
Using Animal Subjects in Research (RCR-Interdisciplinary)	Supplemental

### Authorship (RCR-SBE)

This module provides an overview of the ethical responsibilities of authors. It includes a discussion of how authorship should be determined and improper practices such as “ghost authorship” and “gift authorship.”

#### Language Availability

English (ID: 1518)

### Collaborative Research (RCR-SBE)

This module provides an overview of ethical issues relating to collaborative research partnerships. It includes a discussion of issues relating to collaborating with researchers from other disciplines and with industry.

#### Language Availability

English (ID: 1484)

Portuguese (ID: 14529)

### Conflicts of Interest (RCR-SBE)

This module describes conflicts of interest, which are defined by varying regulatory requirements. It includes a discussion of conflicts of interest with an emphasis on financial conflicts of interest and the ethical concerns that arise from conflicts of commitment.

#### Language Availability

English (ID: 1462)



### Data Management (RCR-SBE)

This module provides an overview of ethical issues relating to data. This includes issues relating to data acquisition, management, sharing, and ownership.

#### Language Availability

English (ID: 1523)

### Mentoring (RCR-Interdisciplinary)

This module provides an overview of the ethical responsibilities of mentors and trainees. It includes a discussion of the differences between an advisor and a mentor, and strategies for managing conflicts between mentors and trainees.

#### Language Availability

English (ID: 1250)

### Peer Review (RCR-SBE)

This module provides an overview of the ethical responsibilities of authors, editors, and reviewers of manuscripts. It also includes a discussion of the grant proposal review process.

#### Language Availability

English (ID: 1521)

### Research Involving Human Subjects (RCR-Interdisciplinary)

This module provides an introduction to ethical and regulatory issues relating to the participation of human beings in research. It includes a description of the informed consent process and the *Common Rule*, which is a set of regulations adopted by a number of U.S. federal agencies. NOTE: this module is NOT intended to replace the *Human Subjects Research* (HSR) course or other training required by federal agencies or institutional review boards (IRBs).

#### Language Availability

English (ID: 13566)

Russian (ID: 14263)

### Research Misconduct (RCR-SBE)

This module describes the three main practices (fabrication, falsification, and plagiarism) that constitute research misconduct and the steps that can be taken to handle allegations of research misconduct.

#### Language Availability

English (ID: 1495)

### Using Animal Subjects in Research (RCR-Interdisciplinary)

This module provides an introduction to ethical and regulatory issues relating to the use of animal subjects in research. It includes a description of federal regulations governing how using animal subjects in research should be conducted. This module was formerly entitled

*The Use of Live Animals in Research*. NOTE: this module is NOT intended to replace the *Animal Care and Use (ACU)* course or other training required by federal agencies or institutional animal care and use committees (IACUCs).

**Language Availability**

English (ID: 13301)

Russian (ID: 14188)

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## Additional Modules of Interest

These modules are intended to complement any of the basic RCR courses.

Module Title	Recommended Use
Export Controls and National Security (RCR-Interdisciplinary)	Supplemental
Plagiarism (RCR-Interdisciplinary)	Supplemental

### Export Controls and National Security (RCR-Interdisciplinary)

This module provides an overview of U.S. export control regulations and a brief discussion of issues researchers should be aware of relating to national security. It is written for a general audience.

#### Language Availability

English (ID: 14770)

### Plagiarism (RCR-Interdisciplinary)

This module discusses plagiarism, a major violation of academic integrity standards and research misconduct. It is designed to present learners with a detailed discussion of what constitutes plagiarism, the parameters of plagiarism, the basic principles of scholarship, the distinction between summarizing and paraphrasing, and proper paraphrasing skills and citation usage.

#### Language Availability

English (ID: 15156)

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## Refresher Course

The *RCR Refresher* course is intended to provide retraining for a learner who has already completed a basic RCR course. The *RCR Refresher* course can help expand a learner's knowledge about topics that were presented in the basic level modules. For recommendations on how to use the *RCR Refresher* course, see the [Using CITI Program Content: Responsible Conduct of Research \(RCR\)](#) document.

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## RCR Refresher

This course is discipline-neutral and meant to reinforce the importance of concepts covered in a basic level RCR course. Each module in the *RCR Refresher* course includes a short quiz and at least one case study. It is recommended that learners complete the *RCR Refresher* course three or four years after completing a basic RCR course but it is up to your organization to determine whether refresher training is appropriate for its learners.

Module Title	Recommended Use
Authorship (RCR-Refresher)	Required
Collaborative Research (RCR-Refresher)	Required
Conflicts of Interest (RCR-Refresher)	Required
Data Management (RCR-Refresher)	Required
Mentoring (RCR-Refresher)	Required
Peer Review (RCR-Refresher)	Required
Research Involving Human Subjects (RCR-Refresher)	Required
Research Misconduct (RCR-Refresher)	Required
Using Animal Subjects in Research (RCR-Refresher)	Required

### Authorship (RCR-Refresher)

This module describes the important issues related to publishing research results and working with authors. It discusses the potential pitfalls and errors that can lead to research misconduct and authorship disputes, as well as strategies for avoiding and resolving authorship disputes.

#### Language Availability

English (ID: 15661)

### **Collaborative Research (RCR-Refresher)**

This module describes styles of collaboration and potential trade-offs relating to collaborative research. It identifies some of the complexities of managing and assessing collaborations, and special considerations involved in collaborative work, including working with industry, across disciplinary and international boundaries, and with students.

#### **Language Availability**

English (ID: 15662)

### **Conflicts of Interest (RCR-Refresher)**

This module explains why conflicts of interest are ethically problematic and how institutions can have a conflict of interest. It discusses the different types of conflicts and recent federal regulations relating to financial conflicts of interest.

#### **Language Availability**

English (ID: 15663)

### **Data Management (RCR-Refresher)**

This module discusses effective approaches to responsible data management and key issues relating to data storage, sharing, and reporting.

#### **Language Availability**

English (ID: 15664)

### **Mentoring (RCR-Refresher)**

This module discusses the roles and responsibilities of mentors and those that they mentor. It describes how to avoid research-related problems and how to optimize the mentoring experience, as well as barriers to mentoring, particularly for women and minority researchers, and potential solutions to these barriers.

#### **Language Availability**

English (ID: 15667)

### **Peer Review (RCR-Refresher)**

This module discusses the history and evolution of peer review, value of peer review as it relates to publications and grant awards, ethical issues associated with peer review, and ethical duties of a peer reviewer.

#### **Language Availability**

English (ID: 15665)

### **Research Involving Human Subjects (RCR-Refresher)**

This module discusses the basic ethical principles relating to human subjects research, informed consent process, federal definition of human subjects research, and role of an institutional review board (IRB).

**Language Availability**

English (ID: 15668)

**Research Misconduct (RCR-Refresher)**

This module describes how the federal government has defined research misconduct. It discusses the different types of research misconduct and strategies that individuals and institutions might take to mitigate the occurrence of research misconduct.

**Language Availability**

English (ID: 15666)

**Using Animal Subjects in Research (RCR-Refresher)**

This module discusses the species that are covered by U.S. regulations, protocol renewal procedure, why a new alternatives search is necessary with IACUC protocol renewal applications, what constitutes an acceptable justification for the number of animals to be used in a study, and use of performance standards in animal research. It also summarizes how the IACUC should handle a proposal for withholding of analgesic agents.

**Language Availability**

English (ID: 15669)

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## Conflicts of Interest (COI) Course

The *COI* course was specifically designed to help learners satisfy the training requirements associated with the U.S. Public Health Service (PHS) 2011 revised regulations on financial conflicts of interest. For recommendations on how to use the *COI* course, see the [Using CITI Program Content: Conflicts of Interest \(COI\)](#) document.

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## Conflicts of Interest (COI) Course

This course is intended to provide learners with a review of the revised Public Health Service (PHS) regulations associated with financial conflicts of interest and an investigator’s responsibilities relating to the disclosure of “Significant Financial Interests.” It also contains two optional features: Organizations can create a customized module that details its own conflicts of interest policies and they may also choose to include a module on conflicts of commitment, conflicts of conscience, and institutional conflicts of interest.

### Continuing Education (CE) Credits and Units

These modules hold the following credit designations:

- Physicians: 2 *AMA PRA Category 1 Credits™*
  - Psychologists: 2 CEP Credits
  - Nurses: 2 CNE Contact Hours
  - Other Participants: 2 *AMA PRA Category 1 Credits™*
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Module Title	Recommended Use
Financial Conflicts of Interest: Overview, Investigator Responsibilities, and COI Rules	Required
Institutional Responsibilities as They Affect Investigators	Required
Institution-Specific Policies	Supplemental
Conflicts of Commitment, Conscience, and Institutional Conflicts of Interest	Supplemental

### Financial Conflicts of Interest: Overview, Investigator Responsibilities, and COI Rules

This module provides an overview of the revised PHS financial conflicts of interest regulations. It includes a discussion of an investigator’s responsibilities related to the disclosure of “Significant Financial Interests.”

#### Language Availability

English (ID: 15070)

### **Institutional Responsibilities as They Affect Investigators**

This module provides an overview of the responsibilities that institutions have regarding the revised PHS financial conflicts of interest regulations. It includes a discussion of the expectations that institutions have as they review and evaluate the “Significant Financial Interest” reports of their investigators.

#### **Language Availability**

English (ID: 15072)

### **Institution-Specific Policies**

This module provides an organization with the opportunity to create a customized module that details its own specific COI policies.

#### **Language Availability**

English (ID: 00000)

### **Conflicts of Commitment, Conscience, and Institutional Conflicts of Interest**

This module provides an overview of conflicts of commitment, conflicts of conscience, and other types of non-financial conflicts of interest. It also includes a discussion of institutional conflicts of interest. This module seeks to identify strategies that may help to address these types of conflicts.

#### **Language Availability**

English (ID: 15073)

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