

Program for Responsible Conduct of Research Training

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Why RCR is for all Disciplines

• Guiding Principles

- 1) RCR is an essential component for research training
- 2) Active involvement in RCR will occur throughout student's entire career
- 3) Individuals assume responsibility for RCR practices
- 4) Faculty need to participate in RCR instruction as role models
- 5) RCR training should include face to face discussion between students and faculty
- 6) RCR will be evaluated in all Grant Applications where required
- 7) Topics should be updated frequently (annually)

WSU Points of Consideration

- 1) Important for Career Development of students
- 2) Meet the RCR training requirements of Higher Learning Commission and Funding Agencies
- 3) Develop a program that works with Departments to help them meet their RCR training needs
- 4) Develop a program that standardizes RCR common curriculum
- 5) Graduate School can assume delivery of the common content of RCR training that all students should have
- 6) Departments/faculty should provide training specific to meet the needs of the student's discipline
- 7) Program will be required for all PhD students and Postdoctoral Scholars
- 8) Develop a program that could be easily integrated into preexisting departmental programs or within departmental orientations

Proposed Plan for WSU RCR Training

Applicable to Most Disciplines

THREE STAGE PROGRAM:

Stage I: Collaborative Institutional Training Initiative (CITI) common curriculum online responsible conduct of research course training – Modules Completed before Stage II

Stage II: One day Graduate School Course (GS0900) which incorporates seminar and student led discussion on common curriculum of RCR training

Stage III: Departmental/Mentor driven specialized training in RCR topics specific to the student's field of interest

Stage I

- 1) Content delivered through CITI training online modules
- 2) Student must complete CITI training modules with a 70% score or higher, 2 weeks before attending Stage II workshop.
- 3) University can track CITI training record, so have a way to monitor completion
- 4) Topics of CITI training include areas that are general to all PhD students and postdoctoral scholars, including:

Authorship
Collaborative Research
Conflicts of Interest
Data Management
Financial Responsibilities
Mentoring
Peer Review
Plagiarism

Stage II

- 1) Stage II will be a single all day workshop held on second Saturday of September or second Saturday of January
- 2) Stage II is directed through the required registration of course GS0900
- 3) Again both PhD students and Postdoctoral Scholars will be required to take this course
- 4) GS0900 is a zero credit hour, Pass/Fail course taken during the normal school year so there will be no additional costs
- 5) First half of class is faculty driven, with delivery of 8 common RCR concepts by faculty
- 6) Second half of class is student driven exercises, with break out sessions on 8 topics (possibly having postdocs moderate small group discussion)
- 7) The end of the student driven sections will include a summary of what was learned from exercises (students will present their group findings to the entire audience)
- 8) Completion of course includes a class assessment

Stage II

Course Schedule:

8:00 – 8:15 am	Introduction
8:15 – 8:45 am	Mentoring and the IDP
8:45 – 9:15 am	Moral Reasoning in Resolving Conflicts
9:15 – 9:45 am	Effective Communication Strategies
9:45 – 10:15 am	Data Management and Recordkeeping
10:15 – 10:45 am	Peer Review Process
10:45 – 11:15 am	Authorship and Plagiarism
11:15 – 11:45 am	Conflict of Interest
11:45 – 12:15 pm	Reporting Research Misconduct & Whistleblower Protection
12:15 – 1:30 pm	Break for Lunch (Lunch will NOT be provided)
1:30 - 3:00 pm	Break Out Sessions on the above topics
3:00 - 4:00 pm	Group Discussion on Break Out Session Topics

Stage II

The course GS0900 will be offered twice in the academic year, students choose to attend one.

Second Saturday in September (to coincide with new PhD student Orientation).

Second Saturday in January (to accommodate PhD students starting in the winter term).

Lecture portion of the course will be presented by faculty (will need assistance from faculty to complete this).

Since PhD students will be registered in the Fall and Winter of their first year, there will be no additional fees associated with student registering for this course

Postdocs must apply for non-degree status through the admissions office

Registration costs can be covered by the Tuition Assistance Program

Stage III

Presentations and content of RCR discussion for this stage will be completely under the control of the student's department.

Departments can present specific training as part of their orientation to new students, as part of a separate class already implemented, or control can be directed entirely to the Mentor (say as part of a group meeting or on specialized one-on-one meetings with Mentee).

This can be completed before but needs to be completed within 2 weeks of the GS 0900 course workshop.

Student will be required to write an essay addressing their understanding of RCR practices within their specialized field, and describe the direct supervision they received from their mentor on the specialized RCR topics.

Pass/fail grade on GS0900 will depend on evaluation of essay.

RCR Course Development Plan

Course was designed based on the current program implemented at Johns Hopkins University.

Specific contributions to the development plan came from the following WSU faculty and support staff:

Ellen Barton (English)
Phil Cunningham (Biology)
Andrew Feig (Chemistry)
Ken Jackson (English)
Jeremy Kodanko (Chemistry)
Gayle Kusch (Compliance at WSU)
Ambika Mathur (Grad School)
Cindy Sokol (Grad School)
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Stan Terlecky (Pharmacology)
Dan Walz (Physiology)