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: Half-day Graduate School workshop (GS0900) incorporating 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 half-day workshop held on Saturday, September 7, 2019
2) Stage II is directed through the required registration of course GS0900
3) Again both PhD students and postdoctoral scholars are 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) Morning portion of class is faculty-driven with delivery of common RCR concepts
6) Afternoon portion of class features two concurrent sessions for students broken down by discipline
7) STEM students attend concurrent session on data acquisition, laboratory management and sharing and ownership
8) Social and Behavioral Sciences and Humanities students attend concurrent session on IRB processes and paperwork
9) Completion of course includes a class assessment
Stage II

8:30-9 a.m.    Registration and breakfast
9-9:30 a.m.    Opening Remarks and orientation
9:30-10 a.m.   Conflict resolution and mentoring
10-10:30 a.m.  Responsible authorship and publication
10:30-11 a.m.  Research misconduct and policies for handling misconduct
11-11:30 a.m.  Conflict of interest
11:30-11:45 a.m. Discussion/questions
Noon-1 p.m.    Lunch
1-2 p.m.       Concurrent session #1 for STEM disciplines: data acquisition, laboratory management, sharing and ownership
                Concurrent session #2 for social and behavioral sciences and humanities disciplines: IRB processes and paperwork
2 p.m.         End
Stage II

The course GS0900 will be offered early in the fall 2019 semester.

Lecture portion of the course will be presented by faculty.

Students will attend a one-hour concurrent session depending on their discipline.

Since PhD students will be registered in the Fall, there are 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 workshop.

Pass/fail grade on GS-0900 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:

- Ellen Barton (English)
- Phil Cunningham (Biology)
- Andrew Feig (Chemistry)
- Ken Jackson (English)
- Jeremy Kodanko (Chemistry)
- Gayle Kusch (Compliance at WSU)
- Tim Stemmler (Pharaceutical Sciences)
- Stan Terlecky (Pharmacology)
- Dan Walz (Physiology)