

GMS7877-1102(14514) - Respon Conduct Biomed

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**Tuesdays, 3:30-5:30 pm, room CG-11**

<b>Date</b>	<b>Session</b>	<b>Instructors</b>
Jan 7	Intro to RCR & Team-Based Learning	Wayne T. McCormack, PhD
Jan 14	1 - Intro to Ethical Decision-Making	William L. Allen, JD, MDiv & WTM
Jan 21	2 - Avoiding Research Misconduct	William L. Allen, JD, MDiv & WTM
Jan 28	3 - Welfare of Laboratory Animals	Dan Brown, PhD & WTM
Feb 4	4 - Protection of Human Subjects	Catherine Striley, PhD MSW & WTM
Feb 11	5 - Conflicts of Interest & Commitment	Michael Scian & WTM
Feb 18	6 - Data Management Practices	William L. Allen, JD, MDiv & WTM
Feb 25	7 - Mentor & Trainee Responsibilities	Roger Fillingim, PhD & WTM
Mar 3	No class – Spring Break	
Mar 10	8 - Collaborative Research	Ann Progulsk-Fox, PhD & WTM
Mar 17	9 - Authorship & Publication	Bruce Goldberger, PhD
Mar 24	10 - Peer Review	Bruce Goldberger, PhD & WTM
Mar 31	11 - Rigor & Reproducibility	Melissa Rethlefsen, MSLS, AHIP & WTM

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This course is required for all COM Biomedical Sciences PhD students, and is open to all graduate students. It is designed to introduce key issues in the responsible conduct of research (RCR), following the research process from inception to planning, conducting, reporting, and reviewing biomedical research. The course seeks to provide a practical overview of the rules, regulations, and professional practices that define the responsible conduct of research. The coverage is not exhaustive and leaves room for continued reading and discussion with the student's mentor, in the laboratory and classroom, at professional meetings, and in any other setting where researchers gather to discuss their work.

This course is open to graduate students in other graduate programs, and postdoctoral fellows and junior faculty members who must complete RCR training to fulfill fellowship or training grant requirements are also welcome to participate. Please contact Dr. McCormack for more information.

**Attendance:** Unexcused absences will lower your grade as described below. If you will miss any sessions due to professional travel or illness, please contact Dr. McCormack and see below for instructions about a make-up assignment. **You must arrive on time!** The first in class activity is a graded individual readiness assurance test.

**Preparation Materials:** Each session will include pre-class preparation assignments, which will be detailed in Canvas. These assignments will typically consist of readings from an online textbook and other sources, and PowerPoint presentations and/or videotaped lectures, all of which will be posted in Canvas. The textbook "ORI Introduction to the Responsible Conduct of

Research" by Nicholas H. Steneck (Department of Health & Human Services) features case studies, text-box inserts, discussion questions, and electronic and printed resources.

**Grading:** Letter grade (90, A; 85, A-; 80, B+; 75, B; 70, B-; 65, C+; 60, C; 55, C-; 50, D). On a 100 point scale, grading for students registered for credit will be based on both individual and team assessments during team-based learning sessions (90 points total; relative weighting to be determined by student vote) and completion of the ethical decision-making pre-test and post-test (5 points each). Unexcused absences will result in a score of 0 and will lower your grade (see Make-Up Assignments below).

**Academic Honesty:** Please do not seek material from students from previous years for this course. Doing so constitutes academic dishonesty, and will result in automatic failure for this course.

**Reading Assignments:** Please read the assigned chapters and view the on-line lectures before each session. Each team-based learning (TBL) session begins with a quiz (readiness assurance test) about the reading material content, which you will take individually and counts toward your grade. Assigned readings associated with each seminar include case scenarios and discussion questions dealing with the relevant ethical issues. Please think about how you would answer these questions before each team-based learning session, as your team will be discussing similar scenarios in some detail.

**Preparation for Team-Based Learning Sessions:** Small groups will be set up using the team-based learning format. Team assignments will be posted on the door, and you will work with the same team for the duration of the course. Your assignments before each team-based learning session are to:

1. view the relevant PowerPoint and/or videotaped lecture (links at course web site)
2. read the assigned chapter of "ORI Introduction to the Responsible Conduct of Research" (links above and at course web site)
3. familiarize yourself with the main points of the assigned chapter, and
4. think about how you would answer the case study and discussion questions in the assigned chapter.

Session schedule:

3:35 - Individual Readiness Assurance Test

3:50 - Team Readiness Assurance Test

4:05 - Intra-Team Application Exercise - Team discussion of case studies and questions

4:50 - Inter-Team Class Discussion of Case Studies

5:35 - Adjourn

Readiness Assurance Tests will consist of 10 multiple-choice questions based on the assigned reading and seminar content (closed book). Individual Readiness Assurance Tests must be completed individually, and answers will be recorded electronically (clickers will be provided). Team Readiness Assurance Tests will consist of the same questions as the Individual Readiness Assurance Test, and team answers will be recorded on scratch-off cards that will be provided.

**Make-Up Assignments:** If you miss a session due to illness or professional travel, please contact me as soon as possible (preferably in advance for travel). Please submit via e-mail, preferably in advance of your trip or within a week if absent due to illness, brief written answers to each of the discussion questions and case study questions in the assigned chapter for reading. Links to the case studies are in the right margin of the introduction page for each chapter (labeled either "Short Case" or "Case Study"). Discussion questions may be found at the

"Questions" link in the left margin. I don't expect you to write extensively on each question, but enough to demonstrate that you have read the material and have thought about the issues in the context of responsible conduct of research.

**Accommodations for Students with Disabilities:** Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodations. Students with disabilities should follow this procedure as early as possible in the semester.

Course Summary:

Date	Details		
Tue Jan 7, 2020	Calendar Event	<a href="#">Intro to RCR &amp; TBL</a>	3:30pm to 5:30pm
Tue Jan 14, 2020	Calendar Event	<a href="#">Intro to Ethical Decision-Making</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 1 - Intro to Ethical Decision-Making</a>	due by 4:10pm
Tue Jan 21, 2020	Calendar Event	<a href="#">Avoiding Research Misconduct</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 2 - Avoiding Research Misconduct</a>	due by 4:10pm
Tue Jan 28, 2020	Calendar Event	<a href="#">Welfare of Laboratory Animals</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 3 - Welfare of Lab Animals</a>	due by 4:10pm
Tue Feb 4, 2020	Calendar Event	<a href="#">Protection of Human Subjects</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 4 - Protection of Human Subjects</a>	due by 4:10pm
Tue Feb 11, 2020	Calendar Event	<a href="#">Conflicts of Interest &amp; Commitment</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 5 - Conflicts of Interest &amp; Commitment</a>	due by 4:10pm

Date	Details		
Tue Feb 18, 2020	Calendar Event	<a href="#">Data Management Practices</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 6 - Data Management Practices</a>	due by 4:10pm
Tue Feb 25, 2020	Calendar Event	<a href="#">Mentor &amp; Trainee Responsibilities</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 7 - Mentor &amp; Trainee Responsibilities</a>	due by 4:10pm
Tue Mar 10, 2020	Calendar Event	<a href="#">Collaborative Research</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 8 - Collaborative Research</a>	due by 4:10pm
Tue Mar 17, 2020	Calendar Event	<a href="#">Authorship &amp; Publication</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 9 - Authorship &amp; Publication</a>	due by 4:10pm
Tue Mar 24, 2020	Calendar Event	<a href="#">Peer Review</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 10 - Peer Review</a>	due by 4:10pm
Tue Mar 31, 2020	Calendar Event	<a href="#">Rigor &amp; Reproducibility</a>	3:30pm to 5:30pm
	Assignment	<a href="#">IRAT 11 - Rigor &amp; Reproducibility</a>	due by 4:10pm