

Responsible Conduct of Research

NURS6101 Course Syllabus and Schedule/Assignments 2019

Course Name: Responsible Conduct of Research
Semester(s) Offered: Fall,
Class Hours: 1 credit hour
Class Location: OUHSC College of Nursing, Room 426

Faculty Name: Janet Sullivan Wilson, PhD, RN
Vice Chair, IRB, Board 4 (Disclaimer: while you are in my class I will not review your research for IRB)
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Office Hours: Wednesdays, 8:00 a.m.- 3:00pm By Appointment

Course Description:

This course meets the NIH Requirement for Instruction in Responsible Conduct of Research <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-019.html>

The course explores a variety of ethical and policy issues that are fundamental to the responsible conduct of research and scientific integrity. Topics include, but are not limited to, conflict of interest, responsible authorship, policies for handling misconduct, data management, data sharing, and policies involving use of human and animal subjects. These topics are applied and analyzed in various case scenarios.

Prerequisites: None

Learning Objectives:

- Describe the tenets of responsible conduct of research
- Identify role obligations for individual scientists and scientific societies.
- Delineate the scope of scientific misconduct in human, animal, and basic research.

Conduct of the Course

- **Format:** This course is primarily face-to-face discussion and analysis about the practice of scientific investigations with integrity. Case scenarios will be analyzed and discussed using assigned readings, guest speakers, webinars, and experiential learning activities.
- **Required:**
 - Assigned readings and discussions. Students are required to read assigned chapters in provided articles and the course textbook (Macrina, 2014, 4th Edition) in preparation for analyzing, discussing case studies during class.
 - Completing the online OHRP Interactive video, The Research Clinic <http://ori.hhs.gov/TheResearchClinic>
 - Citi Training, if have not completed: <https://www.citiprogram.org/>
 - Paper that will analyze an ethical case scenario, applying learning from text, journal articles, and seminar discussions
 - Class attendance and active facilitation/participation in discussions

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- Recommended:
 - Online Citi Training <https://www.citiprogram.org/> refresher, if have done Citi course previously
 - OUHSC IRB Training (271-2045)
 - Attendance at one OUHSC IRB meeting with course faculty

Method of Evaluation and Grading:

The course will be graded with a letter grade on the following Grading Scale:

A	90 -100	Excellent
B	80 - 89	Good
C	70 - 79	Average
D	60 – 69	Below Average
F	< 60	Poor

Grading:

- Class attendance, discussion, facilitation, Citi Training = 50%
- Research Clinic = 10%
- Paper: Case analysis = 40%

Course Materials

Required Texts

- Macrina, F. L. (2014). *Scientific integrity: Text and cases in responsible conduct of research (4th edition)*. Washington, DC: ASM Press.
<http://www.scientificintegrity.net/>
- APA, 6th Edition (See *Guidelines to Reduce Bias in Language*)
Expectation is that course discussions, paper, activities, etc. will follow these APA guidelines (APA is publishing an updated version in October. See: <https://apastyle.apa.org/manual/new-7th-edition>)

Other useful references:

- Council of Graduate Schools. (2006) *Graduate education for the responsible conduct of research*. Washington, DC: Council of Graduate Schools. [ISBN-13: 978-1-933042-07-7]
- DHHS Office of Human Research Protections <http://www.hhs.gov/ohrp/>;
- DHHS Office of Research Integrity (ORI) <https://ori.hhs.gov/>
- OUHSC OHRPP <http://www.ouhsc.edu/irb/>

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Academic Integrity/Misconduct

- Students are responsible for all policies contained in the OUHSC Student Handbook as well as the Student Handbook in their own discipline/college.
- All students will be expected to comply with the University of Oklahoma Health Sciences Center Policy on Academic Integrity/Misconduct which can be found online in the Graduate College Bulletin:
<https://graduate.ouhsc.edu/Current-Students/Graduate-College-Bulletin>

Accommodations for Disabilities

- The University of Oklahoma complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 and provides reasonable accommodation. For further information, see The Graduate College Handbook
<https://graduate.ouhsc.edu/Current-Students/Graduate-College-Bulletin>

HIPAA Statement

- N/A This course does not require patient contact

Registration and Withdrawal:

- Students are responsible for being sure that all University paperwork required for this course is done correctly and turned in before the deadline. In particular, if a student chooses to withdraw from this course he or she must complete the appropriate University form, obtain the required signatures, and turn the form in before the deadline. If a student stops attending the course and doing the course work without doing the required paperwork the course grade will be calculated with missed homework and examination grades entered as zero. This could result in receiving a grade of F in the course. Deadlines are shown in the Academic Calendar, which is available from the Office of Admissions and Records or online at <http://admissions.ouhsc.edu/>
- Student policies related to withdrawal can be located online in the Student Handbook at:
<https://nursing.ouhsc.edu/Portals/1303/Assets/documents/CurrentStudents/Student%20Handbooks/PhD%20Student%20Handbook%202019-20.pdf?ver=2019-08-16-155523-283×tamp=1566254682533>

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Week #	Topic	Assignment
Week 1, beginning August 19 All classes are at the OUHSC College of Nursing, 1100 N. Stonewall, OKC, OK, Wednesday, Room 426, 4-5:30pm	Module 1 Methods, Manners and the RCR	Read Macrina (2014), Chapter 1, Course Syllabus & Schedule with the NIH Guidelines for course. Do Discussion questions at end of Chapter 1 and begin Citi Training or Refresher. Read “Misconduct Case Summaries,” at https://ori.hhs.gov/ We will discuss in class
Week 2, August 26 1 st Face to Face Class August 28, 2019	Module 2 Ethics and the Scientist	Read Macrina (2014), Chapter 2, Write your program of research, career trajectory, philosophical issues, & moral reasoning issues that may be associated with your scientific investigations Choose a case scenario you would like to discuss at the end of Chapter 2 Invitation to attend IRB
Week 3, Sept. 2	Module 3 Mentoring	Macrina (2014), Chapter 3 Discussion of research trajectories and scientific integrity issues involved Choose an ethical case scenario from pp42-47 to share and facilitate the discussion with the class. In class discuss how is this relevant to your scientific training as a mentee and after you graduate, as a mentor
Week 4, Sept. 9	Module 4: Authorship & Peer Review	Macrina (2014), Chapter 4 The Changing Landscape in Scientific Publication Case scenario
Week 5, Sept. 16	Module 5 Use of Humans in Experimentation	Macrina (2014), Chapter 5 Protection of Human Subjects: Working with IRB & Federal Regulations Invitation to attend IRB Guests from IRB
Week 6, Sept. 23	Module 6 Use of Animals in Experimentation	Chapter 6 Do Exercise #5 pp423-424 for class discussion Watch OHRP Interactive video, The Research Clinic, http://ori.hhs.gov/TheResearchClinic and discuss

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Week 7, Sept.30	Module7 Competing Interests in Research	Macrina (2014), Chapter 7 On ORI website, read 2014/2015 misconduct cases and summarize http://ori.hhs.gov/case_summary Discuss various competing conflicts of interest, effort, roles, that may occur in science. Case scenario: Sloan Kettering Cancer Center & COI Bring OUHSC COI policy, form
Week 8, Oct. 7	Module 8 Collaborative Research	Macrina (2014), Chapter 8 Take survey #10, pp406-407
Week 9, Oct. 14	Module 9 Research Data and Intellectual Property	Macrina (2014), Chapter 9 Take survey #11, pp407-409 Who owns your dissertation? OUHSC Policy
Week 10, Oct. 21	Module 10 Scientific Record Keeping	Macrina (2014), Chapter 10 Take survey #12, pp409-410 Choose case scenario from chapter 10; bring to class next week.
Week 11, Oct. 28	Module 11 Science, Technology & Society	Macrina (2014), Chapter 11 Take survey #13, pp411-412 Choose case scenario from chapter 11.
Week 12, Nov. 4	Module 12: Survey and paper Discussion	Bring survey results and choose a case scenario from Chapter 11 to present and facilitate class discussion
Week 13, Nov. 11	Module 13 Paper Consultations	1:1 with faculty
Week 14, Nov. 18	Module 14 Paper Consultations	1:1 with faculty
Week 15, Nov. 25	Module 15 Paper	Paper Presentations, Discussion, Lessons Learned
Week 16 Dec 2	Module 15 Paper	Paper Due