



First Year Research Seminar: Earn Your Next Set of Regalia....

Time: Wed 3:30-4:50 PM **Place:** 143 Straub (or 146 for Ethics Modules)

Professor: Holly Arrow, 357 Straub, 346-1996, harrow@uoregon.edu

Office hours: Tues 11-12 & 2-3 and by appointment

Course Objectives: The purpose of this seminar, which lasts for three terms, is to guide first year PhD students through the process of designing a study, collecting data, and presenting the results of the first year research practicum in oral and written form. For Masters students it provides opportunities to present and refine ideas and get feedback and support from peers. The fall and winter term courses also include units on ethical issues related to scientific research, teaching, scholarship, and mentoring. These serve as required ethics training for all graduate students who are funded by or attached to labs funded by NIH and NSF.

Course Description: The focus of the winter quarter will be on completing the ethics modules and shifting from informal sharing about research in dyads and triads to more formal presentations of developing projects to the class as a whole.

Week 1, Jan 5 Writing issue: Titles

Week 2, Jan 12 ** Meet in 146 Straub** **Research Ethics module class: Research Misconduct**

Read & come prepared to discuss:

Wade, N. (2010, Aug 12). Inquiry on Harvard lab threatens ripple effect. *New York Times*.
<http://www.nytimes.com/2010/08/13/education/13harvard.html>

Wade, N. (2010, Aug 13). In Harvard lab inquiry, a raid and 3-year wait. *New York Times*.
<http://www.nytimes.com/2010/08/14/education/14harvard.html>

Bartlett, T. (2010, Aug 19). Document sheds light on investigation at Harvard. *The Chronicle of Higher Education*.
<http://chronicle.com/article/Document-Sheds-Light-on/123988/>

Note: We also viewed and discussed a video clip from WVU in which a junior researcher makes some questionable decisions about handling outliers <http://oric.research.wvu.edu/resources/42/1277210882.wmv>

And listened to and discussed an NPR “All Things Considered” story about a discredited and highly influential study by Wakefield claiming a link between autism and vaccinations.
<http://www.npr.org/player/v2/mediaPlayer.html?action=1&t=1&islist=false&id=132703314&m=132714490>

Week 3, Jan 19 Four 10 minute presentations:

Joe Carly Jenny Emily

Week 4, Jan 26 Four 10 minute presentations:

Alex B Brittany Devin Philippe

Week 5, Feb 2 * Meet in 146 Straub*****

Research Ethics module class: Data Management Issues

Brian Westra, the Lorry I. Lokey Science Data Services Librarian, will be our guest today. He'll discuss the new NSF requirement for a data management plan, and we'll discuss (among other things) the tensions between IRB directives to make data inaccessible and scientific directives (from NSF, for example) to make data more accessible.

Week 6, Feb 9 * Meet in 146 Straub*****

Research Ethics module class: Conflict of Interest & Research Involving Animals

Reading TBA

Week 7, Feb 16 Five 10 minute presentations:

Katie Irida Jason Brittany Amanda

Week 8, Feb 23 * Meet in 146 Straub*****

Research Ethics module class: Authorship, Peer Review, & Collaborative Science

Faculty Panel: Ed A., Jenn P., Azim S., Marjorie T.

Preparation: Review summary of key issues on Blackboard and come prepared to ask questions.

Week 9, March 2 Five 10 minute presentations:

Bill Alex K Nicole Ryan

Week 10, March 9 Five 10 minute presentations:

Brianna Alicia Jordan