

**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 4-5; Thurs 3-4 PM, 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 fall quarter begins with the opportunity to hear the second-year students present their first-year projects. This provides an excellent orientation as you begin work on your own project. During the fall quarter, you will define a topic, form your advising committee, put together a reading list, write and rewrite a one-page summary of your planned research, and give feedback to other first year students about their developing ideas. Some students will also begin the process of obtaining approval from the Human Subjects committee. Guest speakers will give you an overview of faculty research interests in different areas within the department (useful in choosing who would be good candidates for your advising committee) and cover issues and logistics in obtaining approval for research with human subjects.

Week 1, Sept 29

Introductions and overview

Week 2, * Go to Friday Oct 8 Presentations, 4-5, Straub 146* (see details next page)

*** No Wed class on Oct 6***

Week 3, Oct 13 Class FUNDING opportunities for grads. **Robert Gordon** will be our guest

*** Also* Go to presentations on Friday 15 Oct, 4-5:20, Straub 146 this week**

Assignment: Come prepared to discuss the Oct 8 presentations (see next page for details).
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FIRST YEAR PRESENTATIONS, Room 146 Straub at 4:00, Fri Oct 8 & 15

Attend all if at all possible! This is the “rite of passage” for second year PHD students

Assignment for FYP discussion classes (Oct 13 & 20):

1. Every student should ask a question during one of the presentations. So as you listen, jot down questions. Don't wait until the last presentation on the last day!
2. For each presentation, decide what you like best and where you saw room for improvement
3. For the whole set, decide which presentation you liked best, and why.
4. Bring your notes on #2 & #3 to class on Oct 15 & Oct 29.

Friday, October 8 (146 Straub)

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|------------------------------------|---------------|
| 4:00 - 4:20 pm: Candace Mottweiler | (Devo & Clin) |
| 4:20 - 4:40 pm: Elif Cakir | (Cog-Neuro) |
| 4:40 - 5:00 pm: David Anderson | (Cog-Neuro) |

Friday, October 15

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|-------------------------------------|------------|
| 4:00 - 4:20 pm: Arielle Morganstern | (Soc/Pers) |
| 4:20 - 4:40 pm: Rosemary Bernstein | (Clinical) |
| 4:40 - 5:00 pm: William Moore | (Devo) |
| 5:00 - 5:20 pm: Naomi Aguiar | (Devo) |

Week 4, October 20

We'll discuss the rest of the FYP presentations you attended and also talk about first steps for getting your own first year project or masters project launched.

Assignment: Bring the following to class

- Notes on #2 & #3 FYP assignment as detailed above
2. **Three ideas about** your first year project or masters project (type these up on a half sheet of paper). Discussions with your *primary advisor* and with other grad students in your main lab is a good way to develop project ideas. For each project idea, consider what sort of data you would need.

Week 5, October 27 *** Meet in 146 Straub***

Ethics module class: Data Issues and Mentor/Trainee Issues

We'll discuss issues regarding the acquisition, management, sharing, and ownership of data, and also Mentor/Trainee Advisor/Advisee relationships and responsibilities. *Please read *Peers Nip Misconduct* & *Nature's Guide to Mentoring* (on Blackboard) before class.*

Assignment: Bring the following to class

1. Five to ten tips for working with your advisor effectively. Interview other lab members of the lab and your advisor to gather information. NOTE: More detail will be provided in Week 4 class.



Week 6, Nov 3 * Meet in 146 Straub*****

Ethics module class: Ethics and Logistics of Research with Human Subjects

Two guests today: Ida Moadab & Shannon Roth

Ida is the Human Subjects Coordinator for the department subject pool. Ethical issues and procedures for using participants from this pool will be of interest both to those who plan to use this pool for data collection and to those serving as TAs for either the Psy 303 Research Methods course or for courses (mostly 201 & 202) that offer credit to students who participate in research. Topics include applying for subjects, logistics for in-person studies, and use of online Prescreening and General Survey.

Shannon Roth is an IRB Protocol Coordinator from the UO Office for Protection of Human Subjects (OPHS). All studies using human subjects need to be approved by this office before data can be collected. Shannon will discuss how ethical issues regarding research on human subjects are conceptualized and handled by the process, including CITI certification (required for all researchers) and applying for IRB approval. The process includes (1) preparing and submitting a protocol (2) review by the university CPSH/IRB (Committee for the Protection of Human Subjects/Institutional Review Board and (3) revision if needed prior to approval and permission to start data collection.

See below for assignments to complete before you come to class.

Assignments for Week 6:

1. Go to <http://www.hhs.gov/ohrp/humansubjects/guidance/belmont.htm> and read the Belmont Report.
2. Go to <http://darkwing.uoregon.edu/~humansub/> and click on the *Fulfill the education requirement (CITI)* link. Complete the CITI training, print out your completion form, and bring a copy to class to turn in.
3. Go to Blackboard and find the Research with Human Participants “course” & review the Steps to Conducting Research and look over the Sample Debriefing page. For the description given to the students who participate in the Human Subjects Pool, see <http://psychweb.uoregon.edu/research/humansubs>

Weeks 7 & 8, November 10 & 17

During these two weeks, four speakers will give overviews of faculty associated with four areas of the department, describing their research programs and other interesting facts.

Assignment for Week 7 : On a single page describe the pros and cons of your two best ideas for your first year/masters project. Consider scientific issues in terms of contributing to the research area and practical issues in terms of study design and collecting or otherwise gaining access to data. ***Bring two copies to class***— one to share with a classmate and one to turn in to Holly.

November 10:

Lou Moses (our department head) will give an overview of faculty doing research in developmental psychology, and Gordon Hall will cover faculty in the clinical area.

November 19:

Ed Vogel will give an overview of faculty doing research in cognitive/neuroscience, and Holly will cover social/personality/decision making.

Note: During weeks 7&8 you should be **choosing your project topic and main research question(s) and discussing research design ideas** in consultation with your primary advisor.

Week 9, November 24 No class today. Instead

Assignment: *Write a 200-word description of your proposed project and post to Blackboard* as a Word or rtf file **by 2 PM Wed.** * *PhD students: Recruit members for first year committee**

Week 10, December 2 Last class! Looking back, looking ahead.

Assignment: *Type up and bring *a half-page of feedback and suggestions for the project descriptions you were assigned to review** (Holly will post assignments on Blackboard).

Readings:

McGrath, J. E. (1982). Dilemmatics: The study of research choices and dilemmas. In J. E. McGrath, J. Martin, & R. A. Kulka, R. A. *Judgment Calls in Research* (pp. 69-102). Beverly Hills, CA: SAGE Publications Inc.

Koocherkoocher, G. P, & Keith-Spiegel, P. (2010). Peers nip misconduct in the bud. *Nature*, 466, 438–440. doi:10.1038/466438a