



**Time:** Thurs 4:00-4:50 PM

**Place:** 257 Straub Hall

**Professor:** Lou Moses, 427 Straub, 346-4918, [moses@uoregon.edu](mailto:moses@uoregon.edu)

**Office hours:** By appointment

**COURSE OBJECTIVES:** During Winter term we will focus on a set of issues that are foundational for all researchers, such as research ethics, replicability, and fostering skills for presenting research findings effectively, both via narrative and by means of figures and other visual media. Regular attendance and participation in discussion are crucial. Assigned readings will be available on Canvas.

**REQUIREMENTS FOR THE COURSE:** There are four course requirements this term:

- 1) Regular attendance and participation
- 2) Reading all assigned articles
- 3) Posting a comment on the readings on Canvas for each class meeting by **Wednesday, 8pm**, of each week we hold class. Comments on assigned readings would typically be a paragraph or two detailing criticisms or positive reactions to the readings, outlining new ideas sparked by a reading, or your own different take on the issues dealt with in the readings.
- 4) Submitting a project update (**due Thursday 8pm, March 16**). These should be no more than a page in which you describe where you're at with your projects (data collection, analysis, writing, etc., and any problems you may be encountering).

## **TENTATIVE SCHEDULE OF EVENTS (and assigned readings)**

### **WEEK 4, Feb. 2: Writing Like a Psychologist**

#### **Assigned Readings:**

- 1) Popova, M. *The Psychology of Writing and the Cognitive Science of the Perfect Daily Routine*
- 2) DeLong, M. *Twenty-One Suggestions for Writing Good Scientific Papers*

### **WEEK 6, Feb. 16: Research Ethics**

Care for human participants in psychological research is a fundamental value, and for this reason all such research must be evaluated and approved by an Internal Review Board (IRB) prior to any data collection. The *Belmont Report*, required reading for all researchers who work with human participants, outlines the history and goals of the IRB. Issues of research ethics, however, go well beyond what is covered in the Belmont Report. At this class meeting we will discuss various types of research misconduct, including some recent high-profile cases, and preventative strategies to put in place to reduce the likelihood that you will fall prey to ethical misconduct in your own research.

#### **Assigned Readings:**

- 1) The Belmont Report: <http://www.hhs.gov/ohrp/humansubjects/guidance/belmont.html>
- 2) Gross (2011), writing about the Hauser ethical misconduct case, found at <http://www.thenation.com/article/165313/disgrace-marc-hauser?page=0,2>

### **WEEK 8, March 2: Avoiding Questionable Research Practices and the Replicability Crisis**

There is emerging recognition of a “replicability crisis” within the sciences, including Psychology. The replicability crisis seems to have numerous causes. Widespread use of questionable research practices is one causal factor. We will discuss the replicability crisis, the nature of questionable research practices, and how to avoid these in your own research.

#### **Assigned readings:**

- 1) Simmons, Nelson, & Simonsohn (2011)
- 2) Cumming (2013)

### **WEEK 10, Mar. 16: Visualizing Data**

#### **Assigned Readings:**

- 1) Land & Sandor (2009)
- 2) Kosslyn (2006)