S&P LAB
PSYC221, F18

LAB GOALS

The goals of the lab are: 1) to complement the class material with hands-on experience, and 2) to provide practice with research methods in S&P, including evaluating existing research, designing and conducting research, and sharing your findings orally and in writing in a clear and persuasive manner

LAB GRADING

Preparation & Participation   10%

Some days will include reading or assignments that should be completed before lab. Most meetings of the lab will include group reports that will be completed in pairs or small groups. These reports will be turned in during the lab and will involve notes on the experiments you conduct and data you collect. Some will include problem-set questions for the group to answer, or will require creating graphs based on the data.

Methods quiz   5%

In the second week of term, you'll take a quiz on key terminology in research methods and design. The purpose of this is to give us a solid foundation and common language that we can apply use the rest of term.

Flavor lab report   15%*

With a partner, you'll pose a question about flavor perception, answer it with existing data, and write a short lab report to present your findings.

Research project

In a small group, you will conduct an original study on perception in an area of interest. This will involve reading relevant literature, designing the methods, collecting and analyzing data, presenting your findings to the class and writing a lab report describing the investigation. You will get more information later in the term about the expectations and assignments involved.

Annobib	5%
IRB	10%*
Presentation	10%*
Participation	10%
Lab report	35%

* Submitted as a group

ATTENDANCE

The lab only has 9 meetings so it is very important that you attend all of them. If you must miss a lab due to a family emergency or illness, you must supply a note from a dean or doctor. If you miss a lab that includes data collection, it will be your responsibility to get data from a class member so you can still complete the necessary write-up or assignment. Unexcused absences will result in forfeiture of the day's participation points and credit on the group report (approximately 7% of your final grade).

COURSE CALENDAR WITH LAB
See moodle for readings

Week	Day	Date	Class topic & assignments	Lab
1	M	9/10	Introduction & attention	Research methods in S&P
	W	9/12	Psychophysics & signal detection theory	
	F	9/14	Neuroscience, multisensory processing	
2	M	9/17	Gustation	**Methods quiz** Psychophysics & signal detection theory
	W	9/19	Gustation	
	F	9/21	Olfaction	
3	M	9/24	Olfaction	Gustation demos, flavor preference data
	W	9/26	Somatosensation	
	F	9/28	Somatosensation / Pain	
4	M	10/1	Catch-up / review	Fill out *project preferences survey* by 5pm on the day before your lab Lab report 1 due before your lab Idea bounce
	W	10/3	Exam I	
	F	10/5	Vestibular	
5	M	10/8	Vestibular	Submit anno bib before lab Plan research projects
	W	10/10	Audition - sound	
	F	10/12	Audition - auditory transduction	
6	M	10/15	Midterm break (no class)	No labs this week IRB & methods due by 5pm on your lab day
	W	10/17	Audition- localization & ASA	
	F	10/19	Audition - music **LFO! #1 due 5pm**	
7	M	10/22	Audition - speech	Project implementation Data collection can begin as soon as Julia OKs
	W	10/24	Catch-up / review *get take-home Exam II	
	F	10/26	Exam II (and take-home section due)	
8	M	10/29	Vision - light and retina	Open science & preregistration (do reading before lab)
	W	10/31	Vision - color	
	F	11/2	Vision - color	
9	M	11/5	Vision - motion	Bring all data to lab Color vision demos, eye dissection stats, data visualizations
	W	11/7	Vision - depth & size	
	F	11/9	Vision - faces & objects **LFO! #2 due 5pm**	
10	M	11/12	Conclusions	Lab report draft due by 8:30am on your lab day, Presentations
	W	11/14	No class (Julia at a conference)	Peer review of lab reports
			Final Exam: Self-scheduled during exam period	Lab reports due by end of exam period

All written work should be submitted via moodle.

As with everything in life, topics and the schedule are subject to change