

# COGNITION LAB

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**What:** Cognition Lab Spring 2013 01:830:306:09  
**When:** Tuesday, 6:40-9:30 pm  
**Where:** Busch Psychology Room 105  
**Instructor:** Haewon Yoon <http://rci.rutgers.edu/~haewon/>  
**E-mail:** [haewon@rci.rutgers.edu](mailto:haewon@rci.rutgers.edu)  
**Office:** Psychology Building, Room 221  
**Office Hrs:** by appointment  
**Course Web:** <http://ruccs.rutgers.edu/~jacob/Psych306/lab.htm>  
<https://sakai.rutgers.edu/portal>

**This course has been certified as satisfying four of the Writing and Communication Learning Outcome Goals (including WCR and WCD) of the SAS Core Curriculum.**

Specifically, students will be able to:

- a) Respond effectively to editorial feedback from peers, instructors, and/or supervisors through successive drafts and revision (WCR);
- b) Communicate effectively in modes appropriate to a discipline or area of inquiry (WCD);
- c) Evaluate and critically assess sources and use the conventions of attribution and citation correctly;
- d) Analyze and synthesize information and ideas from multiple sources to generate new insights.



**COURSE GOALS:** The aim of this course is to provide hands-on experience and training in some of the methodologies, experimental designs, and analytical methods that are common in research in cognitive psychology. Most of the course will be devoted to running some simple in-class experiments, analyzing the data, interpreting the results, and sharpening your scientific writing skills.

Please review the materials at the above URLs. The lab manual on Professor Feldman's web site contains most of the material you will need for this class. Additional class materials will be posted on Sakai.

**THE SCHEDULE:** The labs generally follow two weeks cycle. During the first class of each lab, the theoretical background and motivation of the week's experiment are explained and students act as subjects in the experiment. During the second class, the statistical methods are explained and students analyze and interpret their results of the first week with the methods.

After each lab, an assignment of writing a partial section of a lab report (i.e. an abstract, an introduction, a method, etc.) is asked. For the final lab, students are asked to write a complete lab report that enables students integrate the skills throughout the semester.

Below is a general outline of the lab course, but subject to change as needed:

DATE	TO DO IN CLASS	ASSIGNMENT
1/29	Introduction / APA style / Journal search	PsycINFO Search (Due 2/4)
2/5	Categorization and Typicality	
2/12	Categorization and Typicality	Abstract (Due 2/18)
2/19	Mental Rotation	
2/26	Mental Rotation	Introduction (Due 3/4)
3/5	Numerical Estimation	
3/12	Numerical Estimation	Method (Due 3/25)
3/19	Spring break	
3/26	Category Learning	
4/2	Category Learning	Result (Due 4/8)
4/9	Decision Making	
4/16	Decision Making	Discussion (Due 4/22)
4/23	Working Memory	
4/30	Working Memory	Final report (Due 5/7)
5/7	Final report due (Reading day)	

**ATTENDANCE and PARTICIPATION:** Attendance is mandatory because the class depends on the hands-on experience of running the experiments. Attendance is taken at the start of each class. If you miss a class, you must return appropriate documents (i.e. an official excuse note from the Dean's office to authenticate an absence) to be excused. There are NO makeups. **You should note that if you miss the first part of a lab, you will not have data to analyze in the second part. If you miss the second part of a lab, you will not have results to write about.** Active participation is STRONGLY encouraged.

**ASSIGNMENT:**

- Assignments should be turned in on Sakai (**Assignments tab**) on time. Late lab reports will receive a one-point deduction from the original grade for each day late in an additive manner (e.g., a report that would have earned an “8” will receive a “7” if turned in one day late, an “6” after two days).
- A grade of “0” will be assigned to papers that are not turned in.
- Plagiarized assignments will not be accepted. All work that students turn in must be done their own work. Students should not work collaboratively on assignments. Any outside sources must be appropriately referenced (APA format). All assignments will be checked with Turnitin in Sakai. Assignments with yellow flag or red flag on Turnitin will be returned for resubmission. Copied assignments or lab report results in failing the course. See Rutgers’ policy on Academic Integrity at <http://academicintegrity.rutgers.edu/integrity.shtml>.

**GRADING: Your final grade will be comprised of three components:**

- 1. Writing assignments 60pts**
- 2. Final lab report (approx. 7 to 12 pages) 40pts**
- 3. Attendance/Participation: Deduction from total points**

**STUDENTS WITH DISABILITIES:** Any student who feels he or she needs accommodation for a physical or learning disability, please speak with me so that appropriate arrangements are made. You may also contact the Office of Disability Services (151 College Ave, Suite 123; phone 732-932-2848) and read more about Rutgers’ policy at <http://disabilityservices.rutgers.edu/>