



Psychology 463 (L01) - Fall 2012

Memory

Instructor:	Dr. Glen Bodner	Lab TA:	Ford Burles
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Office:	A 257B	Lab TA Office:	A 062 (basement)
Office Hours:	After class or by appointment	Lab TA Office Hours:	M 12-1 pm
Lecture Location:	SS 541	Lab Location	A 248
Lecture	MWF 11-11:50 am	Lab Days/Time:	B01 T 9-10:50 am B02 R 2-3:50 pm
Days/Time:			

Course Description from Calendar

Current and classic memory research is explored. Topics include how memories are encoded, stored, and retrieved. Laboratory projects introduce methodologies used in memory research.

Prerequisite

Psyc 312 – Experimental Design and Quantitative Methods for Psychology
Psyc 365 – Cognitive Psychology

Required Text

None.

Evaluation

1. Class components (65% of final grade; evaluated by the instructor)

A. Topic quizzes (10%). You will receive 1 quiz on each of the 6 topics covered in the course, and your best 5 quizzes will be counted (2% each). Each quiz will consist of a small number of multiple-choice, fill-in-the-blank, and/or short answer questions based on your classmates' article presentations and/or the instructor's lectures. Missed quizzes automatically receive a zero (i.e., there are no make-up quizzes), thus it is essential that you do not miss more than 1 quiz. You will have 20 minutes per quiz. No outside materials are permitted.

B. Article presentation (10%). Using PowerPoint, you will give a 10-minute article presentation. Briefly summarize the article, critique its methodology and/or claims, and, most importantly, provide a detailed proposal for an experiment that would address your criticisms and improve our understanding of that memory topic. You will also moderate in-class discussion after your presentation. Missed presentations receive 0% unless an official University medical excuse is provided within 1 week, in which case the weight will be added to another class component chosen at random. A research proposal is still expected if the article presentation is missed (see C).

C. Research proposal (20%). One week after your article presentation you must bring two printed, stapled copies of a research-proposal version of your article presentation to class to distribute to your two peer reviewers. Your peer reviewers will provide you with a copy of their peer review the following week (see D). You will then revise your proposal in light of your reviews and submit the final printed and stapled proposal for grading the following week (i.e., 3 weeks after you present). Proposals must be completed using the **ResearchProposal.doc** file posted on Blackboard. Proposals should be submitted in class on the due date. Late (or early) final proposals will be accepted only via the green box outside A275. Emailed final proposals will not be accepted. The proposal body will be 5 double-spaced pages. Briefly summarize the article in the *Summary* section (5%). Describe the criticisms of the study that your proposal will seek to address and why they need addressing in the *Critique* section (5%). Use most of your space in the *Proposal* section to describe the proposed experiment and rationale, predictions, and implications (10%). Citing other relevant articles that inform your rationale and predictions is expected. Creating APA-style figures or tables that help convey your design and/or predictions is strongly encouraged. Late penalty is 5% (out of 100%) per weekday at the peer-review or final-submission stage.

D. Proposal reviews (5% x 2 = 10%). You will read two of your peers' research proposals. Reviewers will be chosen at random and will only be announced in class after each article presentations class (except no student will be chosen twice until each student has been chosen once). Provide a constructive but critical review, using the **ProposalReview.doc** file posted on Blackboard, in the sections *Summary and Overall Evaluation*, *Main Comments*, and *Minor Comments*. If you wish to edit spelling/grammar/APA formatting, please do so on the printed copy but not in your review. Each proposal review should be 2 single-spaced pages. Submit two printed, stapled copies of each review in class on the due date: one will be returned to the student and one will be graded. Reviews should be submitted in class on the due date. Late (or early) reviews will be accepted only via the green box outside A275. Emailed reviews will not be accepted. Late penalty is 5% (out of 100%) per weekday.

E. Lab group final presentation (10%). Using PowerPoint, your lab group will jointly present a 10-minute summary of your project, and will moderate the subsequent discussion period. All members of the lab group will receive the same grade.

F. Class participation (5%). Your contributions to in-class discussions will be evaluated. You will receive 1% for each quality contribution you make in class. You will only receive 1% if you are typically present but never participate in class discussions.

2. Lab components (35%; evaluated by the TA)

You will be assigned to a lab group (1 group per topic per lab section; maximum group size = 4 students) at the start of term. Each lab group must contain at least 1 member who can attend the other lab section to collect their data. Your lab group will devise and conduct an original, feasible experiment that has the potential to make an important, original contribution to the literature on that memory topic. You will collect data from your classmates. Group members will write their own lab reports: Plagiarism will not be tolerated.

G. Lab group initial presentation (5%). Using PowerPoint, lab groups will present a 30-minute report of their project, emphasizing their results and results interpretations for input from their lab section, and will moderate the subsequent discussion period. Lab group members must be prepared to invest substantial time coding, analyzing, and interpreting their data the week following data collection.

H. Lab report (25%). You will write up an APA-formatted report of your group's lab project due 2 weeks after data collection. The report will be evaluated in terms of 1) experimental merit (e.g., design elegance, feasibility, control of confounds, theoretical importance, findings), and 2) the quality of the individual lab report. Use the **LabReport.doc** file posted on Blackboard. It must include the following:

Title Page. Choose a simple, short, catchy, appropriate title.

Abstract (150 words maximum). What did you do and why did you do it? What did you find? What are the conclusions and implications? Provide a specific, clear, and concise take-home message.

Body (10-15 pages). Include all of the following sections (with appropriate levels of subheadings): introduction, method, results, and discussion. Your report should tell a coherent story and should read like a published article (e.g., see *Psychological Science*, *Psychonomic Bulletin and Review*).

References (minimum of 5 relevant references). Reference in the text and in reference list all primary sources cited in your proposal.

Tables/Figures (minimum of 1). Include original APA-formatted tables or figures of your results (all raw means should be provided). You can also include other tables or figures if they are helpful (e.g., stimuli, procedure). Do not include tables/figures from copyrighted sources.

Write up your introduction and method prior to data collection. Be prepared to invest substantial time writing up the rest of your lab report once your data is analyzed. The report must be printed, stapled, and submitted to the TA by the due date. Late penalty is 5% (out of 100%) per weekday.

I. Lab participation (5%). Your contributions to in-lab discussions will be evaluated. You will receive 1% for each quality contribution you make in lab. You will only receive 1% if you are typically present but never participate in lab discussions.

Grading Scale

A+	96-100%	B+	80-84%	C+	67-71%	D+	54-58%
A	90-95%	B	76-79%	C	63-66%	D	50-53%
A-	85-89%	B-	72-75%	C-	59-62%	F	0-49%

As stated in the University Calendar, it is at the instructor's discretion to round off either upward or downward to determine a final grade when the average of term work and final examinations is between two letter grades. To determine final letter grades, final percentage grades will be rounded up or down to the nearest whole percentage (e.g., 89.5% becomes 90% = A, but 89.4% becomes 89% = A-).

Tentative Lecture Schedule

Date	Text chapter and topic	Due dates
M Sep 10	Lectures begin. Course overview (full class with critical info).	
W Sep 12	Choosing articles and article presentation dates.	
F Sep 14	Topic 1 – Encoding and retrieval – Lecture	
M Sep 17	Topic 1 - Encoding and retrieval – Lecture	
W Sep 19	Topic 1 - Encoding and retrieval – 3 article presentations	
F Sep 21	Topic 1 - Encoding and retrieval – 3 article presentations Last day to drop a course with no W grade and tuition refund.	
M Sep 24	Topic 1 - Encoding and retrieval – 2 article presentations Last day for add or swap courses.	
W Sep 26	Topic 2 – Context and task effects – Lecture	Topic 1 Quiz
F Sep 28	Topic 2 – Context and task effects – Lecture	
M Oct 1	Topic 2 – Context and task effects – 3 article presentations	
W Oct 3	Topic 2 – Context and task effects – 3 article presentations	
F Oct 5	Topic 2 – Context and task effects – 2 article presentations	
M Oct 8	Thanksgiving Day. No lecture. University closed.	
W Oct 10	Topic 3 – Forgetting and remembering – Lecture	Topic 2 Quiz
F Oct 12	Topic 3 – Forgetting and remembering – Lecture	
M Oct 15	Topic 3 – Forgetting and remembering – 3 article presentations	
W Oct 17	Topic 3 – Forgetting and remembering – 3 article presentations	
F Oct 19	Topic 3 – Forgetting and remembering – 2 article presentations	
M Oct 22	Topic 4 – Reconstructive processes – Lecture	Topic 3 Quiz
W Oct 24	Topic 4 – Reconstructive processes – Lecture	
F Oct 26	Topic 4 – Reconstructive processes – 3 article presentations	
M Oct 29	Topic 4 – Reconstructive processes – 3 article presentations	
W Oct 31	Topic 4 – Reconstructive processes – 2 article presentations	
F Nov 2	Topic 5 – Applying memory research – Lecture	Topic 4 Quiz
M Nov 5	Topic 5 – Applying memory research – Lecture	
W Nov 7	Topic 5 – Applying memory research – 3 article presentations	
F Nov 9	Reading days. No lecture.	
M Nov 12	Remembrance Day. No lecture. University closed.	
W Nov 14	Topic 5 – Applying memory research – 3 article presentations	
F Nov 16	Topic 5 – Applying memory research – 2 article presentations	
M Nov 19	Topic 6 – Bodner’s choice – Lecture	Topic 5 Quiz
W Nov 21	Topic 6 – Bodner’s choice – Lecture	
F Nov 23	Topic 6 – Bodner’s choice – Lecture	
M Nov 26	Lab group data-interpretation workshop	Topic 6 Quiz
W Nov 28	Topic 1 – Lab group final presentations	
F Nov 30	Topic 2 – Lab group final presentations	
M Dec 3	Topic 3 – Lab group final presentations	
W Dec 5	Topic 4 – Lab group final presentations	
F Dec 7	Topic 5 – Lab group final presentations Fall term lectures end.	

Tentative Lab Schedule

Date	Data collection	Activity	Report due
Sep 11/13		Choose topics and lab groups.	
Sep 18/20		TA outlines lab project and lab report.	
Sep 25/27		TA reviews project planning with each lab group.	
Oct 2/4	Topic 1	Topic 1 - Lab group feedback.	
Oct 9/11	Topic 2	Topic 2 - Lab group feedback. Topic 1 - Lab group initial presentation.	
Oct 16/18		Topic 2 - Lab group initial presentation.	Topic 1
Oct 23/25	Topic 3	Topic 3 - Lab group feedback.	Topic 2
Oct 30/Nov 1		Topic 3 - Lab group initial presentation.	
Nov 6/8	Topic 4	Topic 4 - Lab group feedback.	Topic 3
Nov 13/15		Topic 4 - Lab group initial presentation.	
Nov 20/22	Topic 5	Topic 5 - Lab group feedback.	Topic 4
Nov 27/29		Topic 5 - Lab group initial presentation.	
Dec 4/6		No lab	Topic 5

Reappraisal of Grades

A student who feels that a piece of graded term work (e.g., term paper, essay, test) has been unfairly graded, may have the work re-graded as follows. The student shall discuss the work with the instructor within 15 days of being notified about the mark or of the item's return to the class. If not satisfied, the student shall immediately take the matter to the Head of the department offering the course, who will arrange for a reassessment of the work within the next 15 days. The reappraisal of term work may cause the grade to be raised, lowered, or to remain the same. If the student is not satisfied with the decision and wishes to appeal, the student shall address a letter of appeal to the Dean of the faculty offering the course within 15 days of the unfavourable decision. In the letter, the student must clearly and fully state the decision being appealed, the grounds for appeal, and the remedies being sought, along with any special circumstances that warrant an appeal of the reappraisal. The student should include as much written documentation as possible.

Plagiarism and Other Academic Misconduct

Intellectual honesty is the cornerstone of the development and acquisition of knowledge and requires that the contribution of others be acknowledged. Consequently, plagiarism or cheating on any assignment is regarded as an extremely serious academic offense. Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Students should examine sections of the University Calendar that present a Statement of Intellectual honesty and definitions and penalties associated with Plagiarism/Cheating/Other Academic Misconduct.

Academic Accommodation

It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 403-220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than 14 days after the start of this course.

Freedom of Information and Protection of Privacy (FOIP) Act

The FOIP legislation disallows the practice of having student's retrieve tests and assignments from a public place. Therefore, tests and assignments may be returned to students during class/lab, or during office hours, or via the Department Office (Admin 275), or will be made available only for viewing during exam review sessions scheduled by the Department. Tests and assignments will be shredded after one year. Instructors should take care to not link students' names with their grades, UCIDs, or other FOIP-sensitive information.

Course Credits for Research Participation

Students in most psychology courses are eligible to participate in Departmentally approved research and earn credits toward their final grades. A maximum of two credits (2%) per course, including this course, may be applied to the student's final grade. Students earn 0.5% (0.5 credits) for each full 30 minutes of participation. The demand for timeslots may exceed the supply in a given term. Thus, students are not guaranteed that there will be enough studies available to them to meet their credit requirements. Students should seek studies early in the term and should frequently check for open timeslots. Students can create an account and participate in Departmentally approved research studies at <http://ucalgary.sona-systems.com>. The last day to participate in studies and to assign or reassign earned credits to courses is December 7, 2012.

Evacuation Assembly Point

In case of an emergency evacuation during class, students must gather at the designated assembly point nearest to the classroom: <http://www.ucalgary.ca/emergencyplan/assemblypoints>
Please check this website and note the nearest assembly point for this course.

Student Organizations

Psychology students may wish to join the Psychology Undergraduate Students' Association (PSYCHS). They are located in Administration 170 and may be contacted at 403-220-5567.

Student Union VP Academic:	Phone: 403-220-3911	suvpaca@ucalgary.ca
Student Union Faculty Rep.:	Phone: 403-220-3913	socialscirep@su.ucalgary.ca

Important Dates

The last day to drop this course with no "W" notation and still receive a tuition fee refund is September 21, 2012. Last day for registration/change of registration is September 24, 2012. The last day to withdraw from this course is December 7, 2012.