

Psychology 463 - L01	Memory	Winter 2013
Instructor:	Dr. Glen Bodner	Lab TA: Veronica Guadagni
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Office:	Admin 257B	Lab TA Office: Admin 062 (basement)
Office Hours:	After class or by appointment	Lab TA Office Hours: Before or after lab
Lecture Location:	Scurfield Hall 284	Lab Location: A 248
Lecture Days/Time:	TR 12:30-13:45	Lab Days/Time: B01 W 11:00-12:50 B02 M 9:00-10:50

Course description

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

Prerequisites

Psyc 312 – Experimental design and quantitative methods for psychology
Psyc 365 – Cognitive psychology

Required text

None.

Evaluation

1. Class components (70% of final grade; evaluated by the instructor)

A. Article presentations (10% x 2 = 20%). You will do 1 article presentation for Topic 1 or 2, and 1 article presentation for Topic 3 or 4. For each article, you will give a 10-minute PowerPoint presentation and then moderate a brief discussion period. Introduce the topic, briefly summarize the experiment, evaluate the methodology and/or claims (note confounds/limitations/criticisms), and, most importantly, provide a detailed proposal for an experiment that would address your evaluation and add to our understanding of the relevant memory process. Provide the instructor a printed handout of your slides (6 slides per page) at the start of class (or lose 5% out of 100%). 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 by the instructor; a research proposal is still required.

B. Research proposals (15% x 2 = 30%). One week after your first article presentation you must send your initial proposal to your two assigned peer reviewers and to the instructor via Blackboard. One week later your two peer reviewers will send you and the instructor their reviews via Blackboard (see C). One week later, you will submit your final, revised, printed, stapled proposal to your two peer reviewers and

the instructor in class (i.e., 3 weeks after you present). Your second proposal is due in class one week after your second article presentation (no peer review process). Proposals must be completed using the **ResearchProposal.doc** file posted on Blackboard. Late final proposals will be accepted only via the green box outside A275 (not via email/Blackboard). The proposal body must be 5 double-spaced pages. Introduce the topic and provide a brief summary of the article in the *Summary* section. Describe the confounds/limitations/criticisms of the study that your proposal will address and why they warrant addressing in the *Evaluation* section. Use most of your space in the *Proposal* section to describe your proposed experiment and rationale, predictions, and implications. Cite at least 3 other relevant articles that inform your design, rationale, and predictions. Create APA-style figures or tables that help convey your design and/or predictions (put at the end of the document). Do not include tables/figures from copyrighted sources. Late penalty for either the initial or final proposal is 5% (out of 100%) per weekday.

C. Proposal reviews (5% x 2 = 10%). You will read two of your peers' initial research proposals (within Topic 1 and 2). 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 document but not in your review. Each proposal review should be 2 *single-spaced* pages. Submit your review to the student and instructor via Blackboard by the due date. Late penalty is 5% (out of 100%) per weekday.

D. Lab group final presentation (5%). Your lab group will jointly deliver a 10-minute PowerPoint presentation of your project, and will moderate a brief discussion period. All members of the lab group will receive the same grade.

E. 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 never participate.

2. Lab components (30%; evaluated by the TA)

Students doing an article presentation for Topic 1 will form Topic 1 groups, students doing an article presentation for Topic 2 will form Topic 2 groups (maximum group size = 4 students). 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 could make an important, original contribution to the literature on that memory topic. You will collect data from your classmates.

A. Lab group initial presentation (5%). Using PowerPoint, lab groups will present a 20-minute report of their project, emphasizing their results and interpretations for input from their lab section, and they will moderate the subsequent discussion period. Lab groups must be prepared to invest substantial time coding, analyzing, and interpreting their data following data collection.

B. Lab report (20%). Group members will independently write up an APA-formatted report of their lab project that is due during the last lab meeting of term (see Lab Schedule below). Use the **LabReport.doc** file posted on Blackboard. The lab report must include the following:

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

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

Body (10-12 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 (note: all raw means should be provided). You can also include other tables or figures if they are helpful (e.g., method). 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 your lab report in the weeks following your data collection. Your report must be printed, stapled, and submitted to the TA by the due date. Late penalty is 5% (out of 100%) per weekday.

C. Lab group homework assignments and lab participation (5%). Your contributions within your lab group and to discussions will be evaluated. You will submit to the TA a 1-page homework assignment on designated weeks that demonstrate your contributions to your lab group’s project. Homework assignments are due at the start of the lab. Late assignments will not be accepted.

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	Topic and activity
T Jan 8	Lectures begin. Course overview (full class with critical info).
R Jan 10	Choosing articles and article presentation dates/Memory review
T Jan 15	Memory review/Sample presentation
R Jan 17	Topic 1 – Encoding and retrieval effects – Lecture
T Jan 22	Topic 1 – Encoding and retrieval effects – Article presentations
R Jan 24	Topic 1 – Encoding and retrieval effects – Article presentations
T Jan 29	Topic 1 – Encoding and retrieval effects – Article presentations
R Jan 31	Topic 1 – Encoding and retrieval effects – Article presentations
T Feb 5	Topic 2 – Varieties of memory – Lecture
R Feb 7	Topic 2 – Varieties of memory – Article presentations
T Feb 12	Topic 2 – Varieties of memory – Article presentations
R Feb 14	Topic 2 – Varieties of memory – Article presentations
T Feb 19	Reading break
R Feb 21	Reading break
T Feb 26	Topic 2 – Varieties of memory – Article presentations

R Feb 28	Topic 2 – Varieties of memory – Article presentations
T Mar 5	Topic 3 – Reconstructive processes – Lecture
R Mar 7	Topic 3 – Reconstructive processes – Article presentations
T Mar 12	Topic 3 – Reconstructive processes – Article presentations
R Mar 14	Topic 3 – Reconstructive processes – Article presentations
T Mar 19	Topic 3 – Reconstructive processes – Article presentations
R Mar 21	Topic 3 – Reconstructive processes – Article presentations
T Mar 26	Topic 4 – Applying memory research – Lecture
R Mar 28	Topic 4 – Applying memory research – Article presentations
T Apr 2	Topic 4 – Applying memory research – Article presentations
R Apr 4	Topic 4 – Applying memory research – Article presentations
T Apr 9	Topic 4 – Applying memory research – Article presentations
R Apr 11	Monday Lab group final presentations
T Apr 16	Wednesday Lab group final presentations

Tentative Lab Schedule

Date	Lab activity	Homework assignment
Jan 14/16	TA outlines lab project and lab report.	Each student prepares a <i>study proposal</i> .
Jan 21/23	Students pitch their studies to their lab section. Students pick their favourite studies and join a lab group. Group refines study.	Each member does a unique literature search, reads some relevant articles, and prepares a <i>literature-search-term and article-review summary</i> .
Jan 28/30	Each member reports on their literature search and articles to their group. Group refines study.	Each member reads the set of most-relevant articles and prepares a <i>summary of suggested study refinements</i> .
Feb 4/6	Group discusses key articles. Group reports their suggested study refinements. Group refines study. Study should be planned out.	Group prepares a brief PowerPoint <i>proposal presentation</i> for lab section.
Feb 11/13	Groups present their proposed study to lab section for feedback. Group refines study.	Each member prepares a <i>summary</i> on one of the following: procedure, materials, data coding plan, data analysis plan.
Feb 18/20	Reading break.	
Feb 25/27	Groups finalize their procedures, materials, data coding plan, and data analysis plan.	Each member should contribute to <i>preparation</i> of materials for data collection.
Mar 4/6	Data collection 1. Feedback.	Each member should contribute to <i>data coding and/or data analysis</i> .
Mar 11/13	Data collection 2. Feedback.	
Mar 18/20	Groups discuss their data analysis and interpretation.	Groups prepare their <i>lab group initial presentations</i> using PowerPoint.
Mar 25/27	Lab group initial presentation for Data collection 1. Feedback.	Data collection 1 groups finalize data analysis and interpretation.
Apr 1/3	Lab group initial presentation for Data collection 2. Feedback.	Data collection 2 groups finalize data analysis and interpretation.
Apr 8/10	Lab reports due by the start of lab. Groups work on their lab group final presentations.	Finalize <i>lab group final presentations</i> .

Absence From A Test/Exam

Makeup tests/exams are NOT an option without an official University medical excuse (see the University Calendar). A completed Physician/Counselor Statement will be required to confirm absence from a test/exam for health reasons; the student will be required to pay any cost associated with this Statement. Students who miss a test/exam have 48 hours to contact the instructor AND to schedule a makeup test/exam. Students who do not schedule a makeup test/exam with the instructor within this 48-hour period forfeit the right to a makeup test/exam. At the instructor's discretion, a makeup test/exam may differ significantly (in form and/or content) from a regularly scheduled test/exam. Except in extenuating circumstances (documented by an official University medical excuse), a makeup test/exam must be written within 2 weeks of the missed test/exam.

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 April 16, 2013.

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 suypaca@ucalgary.ca

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

Important Dates

Last day to drop this course with no "W" notation and **still receive a tuition fee refund** is **January 18, 2013**. Last day for registration/change of registration is **January 21, 2013**. Last day to withdraw from this course is **April 16, 2013**.