

Psyc 365-01	Cognitive Psychology	Winter 2018
<b>Instructor:</b> Glen Bodner		<b>Lecture Location:</b> AD 142
<b>Phone:</b> 403-220-2714 (no callback)		<b>Lecture Days/Time:</b> MWF 12-12:50 pm
<b>Email:</b> bodner@ucalgary.ca (I aim to reply within 1 weekday)		<b>Grading TAs/Emails:</b> Harrison Boss hcdboss@ucalgary.ca Tessa Neilson tneilson@ucalgary.ca
		<b>Grading TAs Offices and Office Hours:</b> TBA
<b>Office:</b> AD 235B		
<b>Office Hours:</b> By appointment		

### Course Description

A survey of research and theory in cognitive psychology. Research in pattern recognition, attention, memory, language, thinking, and other cognitive abilities is explored.

### Course Learning Outcomes

The Department of Psychology is committed to student knowledge and skill development. The table below lists the key learning outcomes for this course, the program-learning outcomes they facilitate (see [psyc.ucalgary.ca/undergraduate/program-learning-outcomes](http://psyc.ucalgary.ca/undergraduate/program-learning-outcomes)), and the expected level of achievement.

Course Learning Outcomes	Assessment Methods	PLO(s)	Level(s)
• identify central research questions and debates regarding cognitive processes	• tests/exam	1, 2	C, C
• contrast two theories of how a given cognitive process works	• tests/exam	1, 2	C, C
• analyze research findings and draw appropriate conclusions about underlying cognitive processes	• tests/exam, article assignment	2, 3, 4	C, I, C
• interpret empirical journal article reports of cognitive processes	• article assignment	4, 5	C, C
• propose research to further our understanding of cognitive processes	• article assignment	2, 3, 4, 7	C, I, C, I

Notes. PLOs = Program-Learning Outcomes: 1 = demonstrate knowledge of psychological sciences, 2 = think critically and solve problems, 3 = conduct research and analyze data, 4 = communicate effectively, 5 = demonstrate information literacy, 6 = understand and implement ethical principles, 7 = apply psychological knowledge and skills. Level of PLO achievement facilitated by this course: I = introductory, C = competency, A = advanced.

### Prerequisites

Psyc 200 and 201 – Principles of Psychology I and II (or equivalent)

## Required Text

McBride, D. M., & Cutting, J. C. (2016). *Cognitive Psychology: Theory, Process, and Methodology*. Sage. [Available in UofC Bookstore]

## Assessment Methods

**Tests/Final Exam (75% of final grade).** There will be 3 multiple-choice tests (15% of final grade each) and 1 cumulative multiple-choice final exam (30% of final grade); each may include material from the text, lectures, and assigned articles. The cumulative portion of the final exam will be based on lecture material. No outside materials are permitted during the tests/exam.

Test/Exam	Text chapters	# Questions	Duration	% of final grade	Date
Test 1	1-3	30	50 min	15	M Jan 29
Test 2	4-6	30	50 min	15	M Mar 5
Test 3	7-9	30	50 min	15	M Mar 26
Final exam	10-12	30	120 min	15	TBA (Apr 16-
	1-9 (lectures)	30		15	26)

**Article Assignment 1 & 2 (10% & 15% of final grade, respectively; 5 double-spaced pages each).** The article assignments provide you an opportunity to (1) synthesize and interpret an empirical study of an assigned cognitive process and (2) propose a novel study that could further our understanding of that cognitive process. Student assignments to chapters will be posted on D2L. You will be assigned to Ch3&7, Ch4&8, Ch5&9, or Ch6&10. The two assignments are identical, to facilitate your written communication skill development. You will receive your grade and feedback on Assignment 1 before Assignment 2 is due. For each assignment, obtain a journal article published since 2010 that (1) reports one or more experiments that investigates your assigned cognitive process, (2) interests you, (3) you understand, and (4) no one else has chosen (else you will receive 0%). Articles from the Thinking About Research sections of the textbook cannot be used. In Part 1 (50% of grade), outline the purpose, method, results, and conclusions of the study (as per Thinking About Research sections of the text), and explain how it contributes to our understanding of your assigned cognitive process. In Part 2 (50% of grade), outline a limitation of the study or a future direction worth exploring, then propose an original follow-up study that would further our understanding of your assigned cognitive process. Here you will outline the purpose, method, predictions (with rationale), and implications of your proposed study, plus how it will contribute to our understanding of your assigned cognitive process. Assignments must be completed using the **ArticleAssignmentTemplate.docx** file on D2L and must follow the length constraint (else you will be penalized 5% out of 100%). Assignments must be printed and submitted in class on the due date (see Tentative Lecture Schedule). Late (or early) assignments must be addressed to the TA, date-stamped, and submitted via the green box outside AD 255. Emailed assignments will not be accepted. Late assignments will be accepted only if received within 1 week of the due date, and will be penalized 5% out of 100% without exception (e.g., a 76% grade = B will become a 71% grade = C+).

## Department of Psychology Criteria for Letter Grades

Psychology professors use the following criteria when assigning letter grades:

**A+ grade: *Exceptional Performance.*** An A+ grade indicates near perfect performance on multiple choice and short answer exams. For research papers/essays/course projects/presentations, an A+ grade is awarded for exceptional work deserving of special recognition and is therefore not a common grade.

**A, A- Range: *Excellent Performance.*** Superior understanding of course material. Written work is very strong in terms of critical and original thinking, content, organization, and the expression of ideas, and demonstrates student's thorough knowledge of subject matter.

**B Range: *Good Performance.*** Above average understanding of course material. Written work shows evidence of critical thinking and attention to organization and editing but could be improved in form and/or content.

**C Range: *Satisfactory Performance.*** Adequate understanding of course material. Knowledge of basic concepts and terminology is demonstrated. Written work is satisfactory and meets essential requirements but could be improved significantly in form and content. Note: All prerequisites for courses offered by the Faculty of Arts must be met with a minimum grade of C-.

**D range: *Marginally meets standards.*** Minimal understanding of subject matter. Written work is marginally acceptable and meets basic requirements but requires substantial improvements in form and content. Student has not mastered course material at a level sufficient for advancement into more senior courses in the same or related subjects.

**F grade: *Course standards not met.*** Inadequate understanding of subject matter. Written work does not meet basic requirements. Student has not demonstrated knowledge of course material at a level sufficient for course credit.

### 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% will be rounded up to 90% = A but 89.4% will be rounded down to 89% = A-).

### Tentative Lecture Schedule

Date	Topic (Chapter)/Activity	Article Assignments Due
M Jan 08	Introduction to Cognitive Psychology (Ch 1)	
W Jan 10	Introduction to Cognitive Psychology (Ch 1)	
F Jan 12	Introduction to Cognitive Psychology (Ch 1) Thinking About Research: Proffitt et al. (2003)	
M Jan 15	Cognitive Neuroscience (Ch 2)	
W Jan 17	Cognitive Neuroscience (Ch 2)	
F Jan 19	Perception (Ch 3)	
M Jan 22	Perception (Ch 3)	
W Jan 24	Perception (Ch 3) Thinking About Research: Malcolm et al. (2014)	
F Jan 26	Review Class	<b>Assignment 1 due for Ch 3 (10%)</b>
M Jan 29	<b>Test 1 (Ch 1-3, 15%)</b>	
W Jan 31	Attention (Ch 4)	
F Feb 2	Test 1 Review Class	
M Feb 5	Attention (Ch 4)	
W Feb 7	Attention (Ch 4) Thinking About Research: Böckler et al. (2014)	
F Feb 9	Memory Structures and Processes (Ch 5)	<b>Assignment 1 due for Ch 4 (10%)</b>
M Feb 12	Memory Structures and Processes (Ch 5)	
W Feb 14	Memory Structures and Processes (Ch 5) Thinking About Research: Scullin & McDaniel (2010)	
F Feb 16	Long-term Memory (Ch 6)	
Feb 18-25	Reading Week. No lectures.	
M Feb 26	Long-term Memory (Ch 6)	<b>Assignment 1 due for Ch 5 (10%)</b>
W Feb 28	Long-term Memory (Ch 6)	
F Mar 2	Review Class	<b>Assignment 1 due for Ch 6 (10%)</b>
M Mar 5	<b>Test 2 (Ch 4-6, 15%)</b>	
W Mar 7	Memory Errors (Ch 7)	
F Mar 9	Memory Errors (Ch 7)	
M Mar 12	Memory Errors (Ch 7) Thinking About Research: Castel et al. (2007)	
W Mar 14	Imagery (Ch 8)	<b>Assignment 2 due for Ch 7 (15%)</b>
F Mar 16	Imagery (Ch 8)	
M Mar 19	Language (Ch 9)	<b>Assignment 2 due for Ch 8 (15%)</b>
W Mar 21	Language (Ch 9) Thinking About Research: Emberson et al. (2010)	
F Mar 23	Review Class	<b>Assignment 2 due for Ch 9 (15%)</b>
M Mar 26	<b>Test 3 (Ch 7-9, 15%)</b>	

W Mar 28	Concepts and Knowledge (Ch 10)	
M Apr 2	Concepts and Knowledge (Ch 10)	
W Apr 4	Problem Solving (Ch 11)	<b>Assignment 2 due for Ch 10 (15%)</b>
F Apr 6	Problem Solving (Ch 11) Thinking About Research: Grant & Spivey (2003)	
M Apr 9	Reasoning and Decision Making (Ch 12)	
W Apr 11	Reasoning and Decision Making (Ch 12) Thinking About Research: DeNeys (2006)	
F Apr 13	Review Class	
Apr 16-26	<b>Final Exam (Ch 10-12, 15%; Ch 1-9 [lectures], 15%)</b>	

### 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; no reappraisal of term work is permitted after the 15 days. 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 Accommodations

The student accommodation policy can be found at: [ucalgary.ca/access/accommodations/policy](http://ucalgary.ca/access/accommodations/policy).

Students needing an Accommodation because of a Disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities [ucalgary.ca/policies/files/policies/student-accommodation-policy](http://ucalgary.ca/policies/files/policies/student-accommodation-policy). Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the instructor.

### **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 up to 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 during exam make-up hours provided by the department <http://psychology.ucalgary.ca/undergraduate/exam-and-course-information#mues>. If a student cannot write their final exam on the date assigned by the Registrar's Office, they need to apply for a deferred exam [http://www.ucalgary.ca/registrar/exams/deferred\\_final](http://www.ucalgary.ca/registrar/exams/deferred_final). Under no circumstances will this be accommodated by the department.

### **Travel During Exams**

Consistent with University regulations, students are expected to be available to write scheduled exams at any time during the official December and April examination periods. Requests to write a make-up exam because of conflicting travel plans (e.g., flight bookings) will NOT be considered by the department. Students are advised to wait until the final examination schedule is posted before making any travel arrangements. If a student cannot write their final exam on the date assigned by the Registrar's Office, they need to apply for a deferred exam [http://www.ucalgary.ca/registrar/exams/deferred\\_final](http://www.ucalgary.ca/registrar/exams/deferred_final). Students with an exceptional extenuating circumstance (e.g., a family emergency) should contact the Department of Psychology ([psyugrd@ucalgary.ca](mailto:psyugrd@ucalgary.ca)).

### **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 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.

### **Acknowledgments and Respect for Diversity**

Our classrooms view diversity of identity as a strength and resource. Your experiences and different perspectives are encouraged and add to a rich learning environment that fosters critical thought through respectful discussion and inclusion. The Department of Psychology would also like to acknowledge the traditional territories of the people of the Treaty 7 region in southern Alberta. The City of Calgary is also home to Métis Nation of Alberta, Region III.

## Wellness and Mental Health Resources

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the excellent mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, <https://www.ucalgary.ca/wellnesscentre/services/mental-health-services>) and the Campus Mental Health Strategy website (<http://www.ucalgary.ca/mentalhealth/>).

### Course Credits for Research Participation (Max 2% of final grade)

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 13, 2018**.

### Evacuation Assembly Point

In case of an emergency evacuation during class, students must gather at the designated assembly point nearest to the classroom. The list of assembly points is found at <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 130 and may be contacted at 403-220-5567.

**Student Union VP Academic:** Phone: 403-220-3911 [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)

**Student Union Faculty Rep.:** [arts1@su.ucalgary.ca](mailto:arts1@su.ucalgary.ca)

### Student Ombudsman's Office

The Office of the Student Ombudsmen provides independent, impartial and confidential support for students who require assistance and advice in addressing issues and concerns related to their academic careers. The office can be reached at 403-220-6420 or [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca) (<http://www.ucalgary.ca/provost/students/ombuds>)

### Safewalk

The safewalk program provides volunteers to walk students safely to their destination anywhere on campus. This service is free and available 24 hrs/day, 365 days a year. Call 403-220-5333.

### Important Dates

Date	Topic/Activity/Readings/Due Date
F Jan 19	Last day to drop this course with no "W" notation and <b>still receive a tuition fee refund.</b>
M Jan 22	Last day to add or swap Winter Term half courses. Last day for change of registration from audit to credit or credit to audit.
F Jan 26	Fee payment deadline for Winter Term fees.
Feb 18-25	Reading Week. No lectures. University open (except Family Day).
M Feb 19	Alberta Family Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.
F Mar 30	Good Friday. University Closed
F Apr 13	Winter Term Lectures End. Last day to withdraw from full courses and Winter Term half courses.
Apr 16-26	Winter Term Final Examinations.