

PSYC 365-01	Cognitive Psychology	Winter 2024
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Instructor:	Dr. Greta Chan	Lecture Location:	MFH 164
Phone:	N/A	Lecture Days/Time:	MWF 1:00-1:50 p.m.
Email:	ching.chan@ucalgary.ca	Office Hours:	MWF 2:30-3:30 p.m.
Office:	AD 155B	TA:	TBA

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, with discussion of associated brain mechanisms.

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 <https://live-arts.ucalgary.ca/psychology/about#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	• exam	1, 2	C, C
• interpret experimental results (e.g., main effects & interactions)	• exam	1, 3, 5	I, I, I
• contrast two theories of how a given cognitive process works	• exam	2, 3,	C, I
• comprehend research articles—method & results sections	• assignment	1, 2, 3, 5	C, C, I, C
• contrast two schools of thoughts	• exam	1, 2, 5, 7	C, C, C, C
• understand depth perception	• group project	1, 7	I, I
• generate new research ideas	• not assessed		

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 in a diverse world, 7 = apply psychological knowledge and skills, 8 = Demonstrate multicultural competence and awareness of issues related to equity, diversity, and inclusion. Level of PLO achievement facilitated by this course: I = introductory, C = competency, A = advanced.

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 (Districts 5 and 6).

Course Format

This is an in-person class held on campus.

Prerequisites

PSYC 200 & PSYC 201

Required Text

We will be using Top Hat (www.tophat.com) to access the digital interactive textbook, **Cognitive Psychology**, that we will be using in this class. For instructions on how to create a Top Hat account and enroll in our Top Hat course, please consult Top Hat's Getting Started Guide (<https://bit.ly/31TGMlw>).

If you already have a Top Hat account, go to <https://app-ca.tophat.com/e/771282> to be taken directly to our course. If you are new to Top Hat,

- Go to <https://app.tophat.com/register/student>
- Click "Search by school" and input "University of Calgary".
- Search for our course with the following join code: **771282**
- Once you reach the payment page, you can enter an access key purchased at the bookstore or pay with your credit card.

Should you require assistance with Top Hat at any time please contact their Support Team directly by way of email (support@tophat.com), the in-app support button, or by calling 1-888-663-5491. Specific user information may be required by their technical support team when troubleshooting issues.

Assessment Methods

Method	Unit	Format	Duration (minutes)	Date	Weight
In-Class Exam 1	Units 1 to 4	MC	50 mins	Jan 31	30%
In-Class Exam 2	Units 5 & 6	MC	50 mins	Feb 28	30%
Assignment 1	N/A	Short-Answer	N/A	Mar 13	5%
Assignment 2	N/A	Group Project	N/A	Mar 27	5%
In-Class Exam 3	Units 7 to 11	MC	120 mins	To be scheduled by the Registrar	30%

Exams (90%)

- There will be three in-class M.C. exams.
- Each exam weights 30%.
- Exams 2 & 3 are NOT cumulative.
- Exams in this course are closed book. The use of resources, including class notes, the textbook, and online resources, is prohibited during the exams in this course. Students may not

communicate with others about course material or the exam either in person or electronically during exams.

Assignments (10%)

- There will be two assignments. Each is worth 5% of the final grade.
- Assignment 1 is individual work. In this assignment, each student will read a research article and answer some questions about it.
- Assignment 2 is a group project. In groups of approximately 5 students will make a miniature of the Ames Box.
- More details regarding the assignments will be provided in class and on D2L.

Once approved by the course instructor, and at their discretion, alternative arrangements for missed assessments may be considered. <https://www.ucalgary.ca/pubs/calendar/current/g-1-2.html>. Students may be asked for documentation <https://www.ucalgary.ca/pubs/calendar/current/m-1.html>.

University of Calgary Academic Integrity Policy

Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity.

Research integrity, ethics, and principles of conduct are key to academic integrity. Members of our campus community are required to abide by our institutional code of conduct and promote academic integrity in upholding the University of Calgary's reputation of excellence. It is your responsibility to ensure that you have read and are familiar with the student academic misconduct policy:

<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Academic-Misconduct-Policy.pdf>.

Department of Psychology Criteria for Letter Grades

Psychology course instructors 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%

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/Activity/Readings/Due Date (revise and add columns & rows as necessary)
M Jan 8	First day of lectures Introduction
W Jan 10	Unit 1: Research Methodology Review
F Jan 12	Unit 2: Quick Introduction to Data Analysis
M Jan 15	Unit 2: Quick Introduction to Data Analysis
W Jan 17	Unit 3: Perception and Visual Recognition
R Jan 18	Unit 3: Perception and Visual Recognition
F Jan 19	Unit 4: Attention
M Jan 22	Unit 4: Attention
W Jan 24	Unit 4: Attention
F Jan 26	Unit 4: Attention
M Jan 29	Review
W Jan 31	In-Class Exam 1
F Feb 2	Unit 5: Short-Term Memory/Working Memory
M Feb 5	Unit 5: Short-Term Memory/Working Memory
W Feb 7	Unit 5: Short-Term Memory/Working Memory
F Feb 9	Unit 6: Long-Term Memory
M Feb 12	Unit 6: Long-Term Memory
W Feb 14	Unit 6: Long-Term Memory
F Feb 16	Unit 6: Long-Term Memory
Feb 18-24	Term Break, no classes
M Feb 26	Review
W Feb 28	In-Class Exam 2

F Mar 1	Unit 7: Mental Imagery
M Mar 4	Unit 7: Mental Imagery
W Mar 6	Unit 7: Mental Imagery
F Mar 8	Unit 7: Mental Imagery
M Mar 11	Unit 7: Mental Imagery
W Mar 13	Unit 8: Thinking Assignment 1 due
F Mar 15	Unit 8: Thinking
M Mar 18	Unit 8: Thinking
W Mar 20	Unit 8: Thinking
F Mar 22	Unit 9: Language Comprehension & Bilingualism
M Mar 25	Unit 9: Language Comprehension & Bilingualism
W Mar 27	Unit 9: Language Comprehension & Bilingualism Assignment 2 due
F Mar 29	UNIVERSITY CLOSED Good Friday
M Apr 1	UNIVERSITY CLOSED Easter Monday
W Apr 3	Unit 10: Combating fake news and misinformation
F Apr 5	Unit 11: What is cognitive psychology? A conclusion
M Apr 8	Review
T Apr 9	Winter Term Lectures End. Last day to withdraw with permission from Winter Term half courses.
Apr 12-23	Winter Final Exam Period In-class Exam 3 (to be scheduled by the Registrar)

Extra Research Participation Course Credit is Not Offered for this Course.

Seating During Exams

Instructors and exam invigilators are free to ask students to move seats before an exam begins or even during an exam. Students must comply with this request and refusal to do so may warrant a charge of academic misconduct.

Absence From Test/Exam

Makeup tests/exams are **NOT** an option without the approval of the instructor

<https://www.ucalgary.ca/pubs/calendar/current/g-1-1.html> At the instructor's discretion, a makeup test/exam may differ significantly (in form and/or content) from a regularly scheduled test/exam. Once approved by the instructor a makeup test/exam must be written within 2 weeks of the missed test/exam on a day/time scheduled by the instructor. 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 <https://www.ucalgary.ca/registrar/exams/deferred-exams>

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 [Deferred Final Exams | University of Calgary \(ucalgary.ca\)](#) Students with an exceptional extenuating circumstance (e.g., a family emergency) should contact the Department of Psychology psyugrd@ucalgary.ca

Reappraisal of Graded Term Work <http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

Reappraisal of Final Grade <http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

Academic Accommodations

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor. The full policy on Student Accommodations is available at <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf>.

Academic Misconduct

For information on academic misconduct and its consequences, please see the University of Calgary Calendar at <http://www.ucalgary.ca/pubs/calendar/current/k.html>

Instructor Intellectual Property

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments, and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed, or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

Copyright Legislation

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright

(https://library.ucalgary.ca/services/copyright?_gl=1*bcjlpn*_ga*OTY1ODc0Njg0LjE2NjkxNTA1NTM.*_ga_X4GN9Y4W7D*MTY3Nzc5MjM3Ni4xNy4xLjE2Nzc3OTI4MDYuMC4wLjA) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Freedom of Information and Protection of Privacy

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary

Student Support and Resources

<https://www.ucalgary.ca/registrar/registration/course-outlines>

Important Dates

The last day to drop this course with no "W" notation and **still receive a tuition fee refund** is **Thursday, January 18th, 2024**. Last day add/swap a course is **Friday, January 19th, 2024**. The last day to withdraw from this course is **Tuesday, April 9th, 2024**.