



Cognitive Processes

THIS DOCUMENT WAS UPDATED ON JANUARY 25TH, 2023

ABOUT

In this course, you will take a closer look at psychological science. Here we focus on cognition, where we explore the scientific study of the mind. Cognition includes *attention, perception, language, imagery, memory, learning, and thinking*. We will cover these topics by examining behavioural and neural phenomena. We will also discuss alterations in cognitive processes in clinical and neurological contexts.

YOUR TEAM

Instructor: [Dr. Daniela Palombo](#) (She/Her/Hers)

daniela.palombo@ubc.ca

Hello! I am an Assistant Professor in the Psychology Department at UBC and I run a [cognitive neuroscience](#) laboratory, where we investigate memory and imagination. I joined UBC in 2018 so my lab turns 5 this summer. I enjoy teaching PSYC309A and have done so a number of times. I am looking forward to getting to know all of you this term.

This course has two teaching assistants (TA):

TA: Chantelle Cocquyt, PhD2 (She/Her/Hers)	TA: Ni An, MA2 (She/Her/Hers)
Contact: Via canvas	Contact: Via canvas

See canvas home page for your team's office hours

LAND ACKNOWLEDGEMENT

The land in which our classroom is located, and where we gather twice a week, is the traditional, ancestral, and unceded territory of the x^wməθk^wəy̓əm (Musqueam) people. If you would like to learn and engage more with the meaning of these terms (traditional, ancestral, and unceded), please visit this [link](#). We express our deep gratitude to the original caretakers to this land and the water that surrounds it.

FORMAT

Our class meets live twice weekly, with *occasional* home-viewing content. PDF versions of the lecture slides will be posted on Canvas *before* class to facilitate note taking. Lectures will be based on textbook content and beyond. The latter includes relevant content (e.g., hot topics in the field), discussion of other reading material or occasional video clips, podcasts etc. ***Out of respect for your class, and to avoid copyright violations, photography, screenshots, or video / audio recording of any lectures or exams is not allowed.***

PRE-REQS

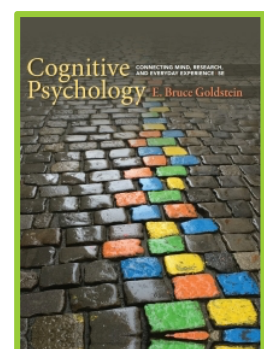
Pre-reqs: Either (a) [PSYC 100](#) or (b) two of [PSYC 101](#), [PSYC 102](#), [PSYC 205](#), [PSYC 207](#), [PSYC 208](#), [PSYC 216](#), [PSYC 217](#), [PSYC 277](#). (Strongly recommended: [PSYC 101](#) and either [PSYC 216](#) or one of [PSYC 217](#) or 277.)

LEARNING MATERIALS (TEXTBOOK)

Cognitive Psychology:
Connecting Mind, Research, and Everyday Experience (5th edition)
Bruce Goldstein

E-version required (“Mindtap”); hard copy optional. A lot of students ask me what “Mindtap” is. Mindtap is just the name used to describe the e-version of the text—it does come with extra activities but those are **not** expected or required of you. *Note that we use the 5th edition in this class; I have never taught with other editions and cannot guarantee that older editions will cover the same content.*

Please purchase the textbook via the library.
Then see the links for instructions.



PSYC309A 005 T/Th 11-12:30 pm | Spring 2023 (Term 2) | ♥ Hennings 200

Getting started:

[https://www.cengage.com/coursepages/UBC PSYC309a W23](https://www.cengage.com/coursepages/UBC_PSYC309a_W23)

WHY THIS CLASS?

After taking this class you will be able to answer these Questions:



ASSESSMENT

Quizzes 1 and 2 (30%; each worth 15%)

The quizzes are based on material from the textbook, lectures, supplementary readings, podcasts, and videos. The format of each quiz will be discussed in advance of each quiz in the form of a *study outline*. Quizzes take place during scheduled class time but will be “remote” and should be completed on Canvas. That is, you can complete the quiz anywhere you like. Students should use the terminology (and spelling) used in this course for short answer questions. **If you have an accommodation that gives you extra time to write the quiz, please email your accommodation letter—with the file name as your first and last name—to me several days in advance. You only need to email your letter to me once. Quizzes will not be returned to you but can be discussed in office hours with your TAs.**

Term Paper (30%)

The short paper involves an essay critiquing an article assigned to you (see assignment outline on Canvas a couple of weeks after term starts).

Final Exam (40%)

The final exam is cumulative. The format and medium of the final exam will be discussed later in the course.

THERE IS NO PARTICIPATION GRADE FOR THIS COURSE AND I DO NOT PLAN TO TAKE ATTENDANCE. HOWEVER, THIS IS AN IN-PERSON CLASS, WITH ACTIVITIES AND DISCUSSION THAT WILL FACILITATE COURSE LEARNING.

Extra Credit via the Human Subject Pool (3%)

As part of this course, you are invited to earn **3% extra credit**

Most students will choose to earn these credits by spending **three hours participating in psychology studies (worth 1% point for each hour)** through the Department of Psychology's Human Subject Pool (HSP) system. You can locate, create an account, and sign up for studies by going to <https://hsp.psych.ubc.ca>. **Please register in the system by the end of the first month of classes to have the opportunity to earn your first ½ hour credit with a brief online survey that will increase your eligibility for more studies.**

Once registered in the system, you will be able to browse through and select which studies you wish to participate in, sign up for an available timeslot, and confirm your accumulated credits afterward. **At the end of the last day of class for the term, the subject pool is closed.** At that point, you will no longer be able to receive credits. I strongly urge you to participate in and confirm your credits long *before* the last week of class since **many studies will not offer timeslots near the end of the term and you may be locked out before allocating your credits to your desired course.** Further instruction on how to use the HSP online system can be found at <https://psych.ubc.ca/undergraduate/opportunities/human-subject-pool/> in the document entitled "Subject Pool Information for Participants."

Alternative assignment:

The Library Option

As an alternative to participation in psychology subject pool experiments, you may complete a library-writing project. Such projects consist of reading and summarizing 1) the research question, 2) the methods and 3) the results (in written form) of a research article from the peer reviewed journal *Psychological Science*. You will receive one (1) research participation credit for each article summary that meets the following requirements.

Requirements:

- The article must have been published in the journal titled "*Psychological Science*"
- The article must have a publication date from the year 2000 to present (i.e. papers from 2001 are acceptable; those from 1999 or earlier are not)
- The article must be a research article; it cannot be a review article, a news item, a notice, or a letter to the editor, for example
- The summary should be approximately 500 words in length
- You must include your name, student number, course, section, instructor and email address on each summary
- You must log on to the Human Subject Pool (HSP) system (<http://hsp.psych.ubc.ca/>) and create an account before submitting your article summaries. Your credit is assigned using the online system

For each course, you may obtain the same number of extra credits via the library option as specified in the course syllabus (i.e., the same number of credits available for students who participate in research).

Summaries must be submitted **no later than 10 days before the end of classes.**

You are to submit your article and your summary to turnitin.com. If you don't have a turnitin account already (from a previous course), you will need to create a user account in Turnitin. **For the library assignment the class ID is 37199858, class name is "HSP W2 2022-2023" and password is "Research"**. See www.turnitin.com, and click on the "Training" link at the top of the page for detailed instructions on how to submit papers to Turnitin. Any student who is suspected of plagiarism will, at a minimum, not be granted credit, and their course instructor will be notified. Further action may be taken at a departmental or university level.

HSP Online Study Credit Limit:

The online study credit limit for this term is 2 credits. Therefore, only 2 credits can be earned via online studies. All other credits will require the completion of in-lab studies or library assignments.

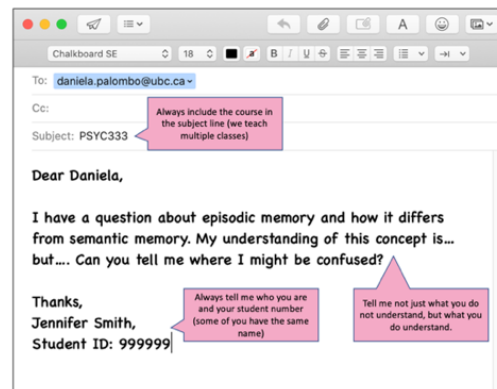
COMMUNICATION

Website

All materials for this course are available on Canvas. Please feel free to use the [discussion forum](#) on Canvas to post questions and engage in course content.

Email

The best way to get in touch with me or your TAs is through our UBC e-mails, with an expected response within 48 h on weekdays. (Please check for the information in the syllabus first.) I understand that some students do not feel comfortable emailing professors. They do not know what to say, or how to say it. Try something like this (right panel). Remember, we want to hear from you and we are here to help! **Email me for content questions and your TAs for assessment questions (quizzes, assignments, etc.).** *Please include the course code and section in the email, along with your name and student number.*



Course Announcements

We will send out announcements through Canvas, which will arrive to you through email. **Please check your spam mail to make sure you have not missed any messages from us.** Please check Canvas often for other notices.

COVID-19 SAFETY

You are not required but welcome to wear a non-medical mask during live lectures, including entering and exiting the building. **I ask that you kindly refrain from eating during class out of respect for your classmates and myself to avoid unnecessary spread of COVID-19 or seasonal viruses.**

If you're sick, it's important that you stay home – no matter what you think you may be sick with (e.g., cold, flu, other). If you think you might have COVID symptoms and/or have tested positive for COVID and/or are required to quarantine: You can do a self-assessment for COVID symptoms here: <https://bc.thrive.health/covid19/en>

Do not come to class if you are sick, have COVID symptoms, have recently tested positive for COVID, or are required to quarantine. This precaution will help reduce risk and keep everyone safer.

If you do miss class because of illness:

- Make a connection early in the term to another student or a group of students in the class. You can help each other by sharing notes. If you don't yet know anyone in the class, post on the discussion forum to connect with other students.
- Consult the class resources on Canvas.
- Use the discussion forum for help.
- Come to office hours (they're online, so you can join from anywhere).
- See the marking scheme for reassurance about what flexibility you have.
- Lectures will be recorded and the URL link will be posted after each class. **However, it is important to keep in mind that technical glitches are not uncommon with lecture recording and some lectures will not be recorded as a result.** Hence, a recorded lecture is not a guarantee and students should be prepared to obtain notes from a classmate, should a technical glitch arise.

If you are sick on a final exam day, do not attend the exam. You must apply for deferred standing (an academic concession) through Science Advising no later than 48 hours after the missed final exam/assignment. Students who are granted deferred standing write the final exam/assignment at a later date. Learn more and find the application online: <https://science.ubc.ca/students/advising/concession>

If I (the instructor) am sick: I will do my best to stay well, but if I am ill, develop COVID symptoms, or test positive for COVID, then I will not come to class. If that happens, here's what you can expect: If I am well enough to teach, but am taking precautions to avoid infecting others, we may have an online session or two. If this happens, you will receive an email on Canvas telling you how to join the class. You can anticipate that this would very likely be a last-minute email. Our classroom will still be available for you to sit and attend an online session, in this (hopefully rare) instance. If I am not well enough to teach, I will post a pre-recorded lecture.

DIVERSITY AND ACCESS

Our classroom is one that is equitable, diverse, inclusive, and supportive. We respect and elevate each other. We are a team. Please remain respectful of your classmates, instructor, TA, and guest lecturers at all times.

UBC is committed to equal opportunity for all of its students including those with documented physical or learning disabilities. If you have a disability that affects your learning or performance in class, including exam writing, please visit: <http://students.ubc.ca/about/access>. UBC provides appropriate accommodation for students for religious and cultural observances.

COPYRIGHT

All materials of this course (syllabus, course handouts, lecture slides, podcasts, assessments, course readings, etc.) are the intellectual property of either Dr. Palombo or UBC, or licensed to be used in this course by Dr. Palombo in the Winter 2 term of 2023 at UBC. **Redistribution of these materials by any means without permission of the copyright holder(s) constitutes a breach of copyright.** For example, you are not permitted to redistribute any recordings of lectures, slides, or assignments without permission (including posting online to sites off the University of British Columbia servers).

POLICIES

Grading

In order to reduce grade inflation and maintain equity across multiple course sections, all psychology courses are required to comply with departmental norms regarding grade distributions. The average grade in 100- and 200-level Psychology classes will be 72 for an exceptionally strong class, 70 for an average class, and 68 for a weak class, with a standard deviation of 14. The corresponding figures for 300- and 400-level classes will be 75, 73, and 71, with a standard deviation of 13. Scaling may be used in order to comply with these norms; grades may be scaled up or down as necessary by the professor or department. Grades are not official until they appear on a student's academic record. You will receive both a percent and a letter grade for this course. At UBC, they convert according to the key below:

A+	90-100%	B+	76-79%	C+	64-67%	D	50-54%
A	85-89%	B	72-75%	C	60-63%	F	0-49%
A-	80-84%	B-	68-71%	C-	55-59%		

Disputing a Grade

Any complaint about a graded item should be made in writing to your TA and should detail the point of contention. All complaints should be made within **1 week** of receiving your grade. After

1 week, we will not accept complaints. If you received your mark on a Tuesday, you will have until the end of the day on the subsequent Tuesday to file a complaint.

Missing a Quiz or Final Exam

There are no make-ups. If you need to miss a quiz and concession is granted (see concession links below), I will re-weight your exam. If you must miss the final exam, you will need to apply for deferred standing via your Faculty academic advising office. Please do not make April travel or work plans until the final exam schedule is released in February.

Late Assignment

In the absence of concession (see concession links below), there is a 10% penalty per day for lateness for the term assignment and the assignment will not be accepted if it is more than one week late.

Obtaining Concession

If you miss marked coursework and are an Arts student, review the Faculty of Arts' [academic concession page](#) and then complete Arts Academic Advising's [online academic concession form](#), so that an advisor can evaluate your concession case.

If you are a student in a different Faculty, please consult [your Faculty's webpage on academic concession](#), and then contact me where appropriate.

Academic Integrity

The academic enterprise is founded on honesty, civility, and integrity. As members of this enterprise, all students are expected to know, understand, and follow the codes of conduct regarding academic integrity. At the most basic level, this means submitting only original work done by you and acknowledging all sources of information or ideas and attributing them to others as required. This also means you should not cheat, copy, or mislead others about what is your work. Violations of academic integrity (i.e., misconduct) lead to the breakdown of the academic enterprise, and therefore serious consequences arise and harsh sanctions are imposed. For example, incidences of plagiarism or cheating may result in a mark of zero on the assignment or exam and more serious consequences may apply when the matter is referred to the Office of the Dean. Careful records are kept in order to monitor and prevent recurrences. A more detailed description of academic integrity, including the University's policies and procedures, may be found in the [UBC Calendar: Student Conduct and Discipline](#).

Academic Accommodation for Students with Disabilities:

Academic accommodations help students with a disability or ongoing medical condition overcome challenges that may affect their academic success. Students requiring academic accommodations must register with the [Centre for Accessibility](#). The Centre will determine that student's eligibility for accommodations in accordance with Policy LR7: Academic Accommodation for Students with Disabilities. Academic accommodations are not determined by your instructors, and instructors should not ask you about the nature of your disability or

ongoing medical condition, or request copies of your disability documentation. However, your instructor may consult with the Centre for Accessibility should the accommodations affect the essential learning outcomes of a course.

Additional University Policies

UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom.

RESOURCES

The Equity and Inclusion Office has put together a list of resources to help you when you need it, available at <https://equity.ubc.ca/resources/students/>. Here are some:

The Centre for Accessibility

Provides support for students with a disability or ongoing medical condition (academic accommodations, exam accommodations, financial support and assistance).

Tel: 604.822.5844

Email: accessibility@ubc.ca

Counselling Services

Offers a variety of services to help you manage mental health concerns

Tel: 604.822.3811

The Wellness Centre

Includes a staff of trained student volunteers available to help you with mental and physical health

Tel: 604.822.8450

Email: wellness.centre@ubc.ca

Here2Talk

A mental health service which provides free, confidential counselling as well as community referral services 24/7 via app, phone and web.

Tel: 1-877-857-3397 (Canada-wide toll free)

Tel: 604-642-5212 (direct)

Page 1 Image: Photo by [Vlad Tchompalov](#) on [Unsplash](#)

Course Schedule (see Canvas)

Where can you find slides and video recordings? Please see the “Modules” section on Canvas.

*** the course schedule is subject to modifications, if necessary, throughout the term ***

Module	Date	Medium	Topic	Lecturer	Chapter
1	10-Jan	Live	Introduction; ice breaker	Palombo	None
1	12-Jan	Live	Introduction to Cognitive Psychology	Palombo	Ch 1
1	17-Jan	Live	Cognitive Neuroscience 1	Leena Alkhamash	Ch 2
1	19-Jan	Pre-recorded (Home viewing)	Cognitive Neuroscience 2	Palombo	Ch 2
1	24-Jan	Zoom (professor was ill)	Cognitive Neuroscience 3 + Group Activity	Palombo	Ch 2 + “The Big Network: Putting Things Together” (Pessoa, Chapter 10) (Chapter will be posted)
	26-Jan	Cancelled (professor was ill)	-	-	-
1	31-Jan	Live	Perception 1	Palombo	Ch 3
1	02-Feb	Live	Perception 2	Palombo	Ch 3

1	07-Feb	Live	Attention	Palombo	Ch 4
1	09-Feb	Live	Short-Term Memory	Palombo	Ch 5
1	14-Feb	Canvas	Canvas Quiz	-	-
2	16-Feb	Live	Term Paper Tips	Palombo	-
2	21-Feb	-	Reading Week	-	Rest
2	23-Feb	-	Reading Week	-	Rest
2	28-Feb	Live	Long-Term Memory: Structure 1	Palombo	Ch 6
2	02-Mar	Live	Long-Term Memory: Structure 2	Palombo	Ch 6
2	07-Mar	Live	Long-Term Memory: Structure 3	Palombo	Ch 6
2	09-Mar	Home viewing	Podcast (your choice)	-	Term Paper Due by Midnight via Canvas upload
2	14-Mar	Live	Special Topic: How to Conduct Cognitive Science Research + Group Activity	Omran Safi and Palombo	-
2	16-Mar	Live	Special Topic: Sleep and Dreaming	Andre Zamani	-
2	21-Mar	Canvas	Canvas Quiz	-	-

3	23-Mar	Live	Long-Term Memory: Encoding and Retrieval 1	Palombo	Ch. 7
3	28-Mar	Live	Long-Term Memory: Encoding and Retrieval 2	Palombo	Ch. 7
3	30-Mar	Live	Everyday Memory and Memory Errors 1	Palombo	Ch 8
3	04-Apr	Live	Everyday Memory and Memory Errors 2	Palombo	Ch 8
3	06-Apr	Pre-recorded (Home viewing)	Everyday Memory and Memory Errors 3	Palombo	Ch 8
3	11-Apr	Live	Imagination and Visual Imagery	Palombo	Ch 10
3	13-Apr	Live	Review	-	-

The final exam will be in person, date TBD.