

COURSE SYLLABUS

PSYCHOLOGY 368(001): Perceptual Processing, Term 2 2022W

Calendar Description: Perceptual phenomena and their underlying brain mechanisms
[3 credits]

Prerequisites: Psyc 367

Contacts

Instructor: Professor Debbie Giaschi

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drop-in hours: Tuesdays, 12:45-1:45 pm, room 4218 Kenny Building

Teaching Assistants: Akosua Asare

hours: Fridays 10 – 11 am

office: Kenny 4003

Alex Cook

Thursdays 1-2 pm

Kenny 3508

We are easily reached through **Canvas** using **Piazza**. **All questions** about lecture material, readings and test content should be posted publicly for the rest of the class to see; you may choose to remain anonymous to your classmates. Questions of a personal nature should be posted privately for only Dr. Giaschi or the TAs to see. Please **sign up** at piazza.com/ubc.ca/winterterm22023/psyc3680012022w2/home

Acknowledgements: The land on which our class will be meeting is the traditional, ancestral, and unceded territory of the Musqueam people. Debbie Giaschi lives and works on the traditional territories of the Musqueam, Squamish and Tsleil-Waututh peoples. The Canvas course entitled [Respect, Sincerity & Responsibility](#) is a good place to start learning about respectful engagement with Indigenous communities.

Learning Activities and Materials

Lectures: Tuesday & Thursday, 11:00 am - 12:20 pm in BUCH A203

Textbook: *Sensation & Perception, 6th edition* (2021) by J. Wolfe, K. Kluender, D. Levi et al.

Note: this is the same book that was used in Psyc 367 last term and in Psyc 367 and 368 last year (2021W). If you do not already have the textbook, we recommend the 6-month ebook rental as the cheapest option and to gain access to online student resources.

(hardcover new ~\$240 or ebook ~\$186 the.bookstore.ubc.ca/books/course-search;

ebook rental 6-month ~\$82 or 12-month ~\$134 [vitalsource.com/en-](https://vitalsource.com/en-ca/products/sensation-and-perception-jeremy-wolfe-keith-kluender-v9780197542705)

[ca/products/sensation-and-perception-jeremy-wolfe-keith-kluender-v9780197542705](https://vitalsource.com/en-ca/products/sensation-and-perception-jeremy-wolfe-keith-kluender-v9780197542705);

1 copy on 2-hour loan in Koerner Library Course Reserves; 1st [2006], 2nd [2009], 3rd [2012], 4th [2015], 5th [2018], or international editions are **not** suitable)

Learning Management System: canvas.ubc.ca

(to access: downloadable files [course syllabus, lecture outlines + learning outcomes, lecture slides]; textbook activities & essays; library course reserves [textbook excerpts]; **Piazza** [peer, instructor & TA discussions]; grades)

PSYCHOLOGY 368(001): Perceptual Processing Course Details

Course Learning Outcomes: By the end of this course you will be able to

- describe the visual processes underlying our perception of objects, colour, depth and motion, and discuss how these processes develop and become deficient;
- explain the links between eye movements and motion perception, and between vestibular stimulation and spatial orientation perception;
- distinguish among the various aspects, neural mechanisms and disorders of attention, and describe how attention contributes to scene perception;
- explain the various aspects of haptic perception arising from our sense of touch;
- describe the auditory processes underlying our perception of complex sounds, music and speech;

as we explore these topics through lectures, readings, and in-class demonstrations.

Readings and Lectures: This course comprises in-person activities. This is the most effective way to engage in the demonstrations, group activities and discussions that will form a critical part of your learning in the course. All lectures will be given in person at the scheduled class time; they will not be live-streamed or recorded. A version of the lecture slides will be available on **Canvas (Modules)** the evening before each lecture to facilitate your preparation and note taking, and to help you catch up if you need to miss a class. Please note that some of the material covered in lectures is not in the textbook, and some of the material in the textbook will not be covered in lectures. Therefore, the textbook is required reading. An excerpt of textbook material that we anticipate will not be covered in lectures is available on **Canvas (Library)**. We recommend that you both attend lectures and read ahead in the textbook (see page 4). When it comes to the tests, you are responsible for ALL material covered in lectures and ALL material assigned from the textbook including figures, tables, and definitions.

Lecture and Textbook Learning Outcomes: Statements indicating what you should learn in the lectures and readings will be included on the first slide for each lecture and in the lecture outline, which will be available on **Canvas (Modules)** the evening before. These outcomes are to guide your studying and to make it unnecessary for you to ask us what you need to know for the tests. Many students choose to treat each outcome as an exam question and attempt to answer it. We **strongly recommend** this method of studying, but we do not have a compiled list of correct answers. *You should be able to master the content in this course by attending lectures, completing the assigned reading, preparing answers to each lecture/textbook outcome and clarifying your answers by attending office hours or posting on Piazza. Also, the electronic version of the textbook includes practice test questions.*

Learning Assessments: Your learning will be evaluated through individual quizzes and exams. All of these will be in person and on paper to promote academic honesty and to avoid technological issues. The quizzes and midterm exams will occur during the scheduled class time (dates & topics – page 4). The final exam will occur during the formal exam period (April 17-28). Each quiz will consist of multiple-choice questions. Each exam will consist of multiple-choice and short-answer questions. *Midterm exam 1* will include material tested on *Quiz 1*. *Midterm exam 2* will include material tested on *Quiz 2* but not material tested on *Midterm exam 1*. The *Final exam* will be noncumulative and include material covered after *Midterm exam 2*.

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Course Details continued

Learning Assessments continued: Your test marks will be posted on **Canvas (Grades)** as soon as they are available. Tests will not be returned to you, but you may review them with TAs during office hours. Dr. Giaschi will review correct answers in class. You are expected to use the terminology introduced in this course in your written answers (with only minor deviations from correct spelling).

Quiz 1 (Jan 24)	5%
Midterm Exam 1 (Feb 9)	30%
Quiz 2 (Mar 7)	5%
Midterm Exam 2 (Mar 21)	30%
Final Exam (Apr 17-28)	30%
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Total	100%
Human Subject Pool participation	3%

Note: supplemental exams to improve your grade are not offered in any course in the Faculty of Arts.

Photographing, screenshotting, video or audio recording of lectures, quizzes or exams is not permitted at any time.

Human subject pool (HSP): As part of this course, you are invited to earn up to **3 bonus marks**. Most students will choose to earn these by spending 3 hours participating in psychology studies (worth 1 point for each hour). You can create an account at <https://hsp.psych.ubc.ca>. Please do this by the **end of January** to earn your first ½ point through a brief online survey that will increase your eligibility for more studies. Once registered in the system, you will be able to select the studies you wish to participate in, sign up for available timeslots, and confirm your accumulated points afterward. The subject pool closes at the end of the day on **April 13**, after which you will no longer be able to receive or allocate points. We strongly urge you to participate in studies long *before* the last week of class because many studies will not offer timeslots near the end of the term.

As an alternative to participating in studies, you may complete a library writing project which consists of reading and summarizing a research article (not a review article, news item or letter to the editor) from the journal *Psychological Science*, published from the year 2000 to the present. Each written summary counts as 1 hour of participation, and must be submitted using Turnitin (class ID is **37199858**, class name is "**HSP W2 2022-2023**", password is "**Research**") after you create an HSP account. Summaries must be submitted before **April 3**.

Only 2 credits can be earned via online studies. All other credits will require the completion of lab studies or library assignments. More information on both research participation and library options can be found at <https://psych.ubc.ca/undergraduate/opportunities/human-subject-pool/> in the document entitled "Subject Pool Information for Participants."

Be sure to check your recorded bonus points for this course before the online system closes at the end of the term. These points will be added to your final course grade, after any scaling that may be required.

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Lecture Schedule and Assigned Readings

Date	Topic	Reading
1. Jan 10	Intro; Object perception: middle vision	Chpt 4 (p 100-109)
2. 12	Object perception: recognition	Chpt 4 (p 109-124; essay 4.1*)
3. 17	Object perception: faces, cortical processing	Chpt 4 (p 93-100,124-127; essay 4.4*)
4. 19	Colour vision: stimuli	Chpt 5 (p 131,137-138,140-143)
5. 24	Colour vision: trichromacy; Quiz 1 (in person; 30 minutes)	Chpt 5 (p 132-137,143) Jan 10 – 19 material
6. 26	Colour vision: opponency, deficiency	Chpt 5 (p 138-140,144-152; essay 5.1*,5.3*)
7. 31	Colour vision: cortical processing	Chpt 5 (p 152-163; essay 5.4*)
8. Feb 2	Depth perception: cues	Chpt 6 (p 167-186)
9. 7	Depth perception: binocular vision	Chpt 6 (p 186-193)
	9 Midterm Exam 1 (in person; 70 minutes)	Jan 10 – Feb 2 material
10. 14	Depth perception: brain,development,disorders	Chpt 6 (p 193-197; 202-208)
11. 16	Depth perception: size constancy	Chpt 6 (p 197-201; essay 6.6*)
	21 & 23 Midterm Break	
12. 28	Motion perception: types, computation	Chpt 8 (p 249-255)
13. Mar 2	Motion perception: cortical processing	Chpt 8 (p 256-260; essay 8.3*)
14. 7	Motion perception: uses,disorders,development; Quiz 2 (in person; 30 minutes)	Chpt 8 (p 260-263,270-271) Feb 7 – 28 material
15. 9	Motion perception: eye & head movements	Chpt 8 (p 263-269)
16. 14	Spatial Orientation Perception	Chpt 12 (p 384-405)
17. 16	Attention: space	Chpt 7 (p 211-224; essay 7.3*)
	21 Midterm Exam 2 (in person; 70 minutes)	Feb 7 – Mar 14 material
18. 23	Attention: time, brain	Chpt 7 (p 224-231)
19. 28	Attention: disorders, scenes	Chpt 7 (p 231-245; essay 7.1*)
20. 30	Haptic perception	Chpt 13 (p 434-448)
21. Apr 4	Perception of complex sounds	Chpt 10 (p 320-333)
22. 6	Music perception	Chpt 11 (p 335-343)
23. 11	Speech production	Chpt 11 (p 343-349)
24. 13	Speech perception	Chpt 11 (p 349-361; essay 11.1*)
17-28	Final Exam (2 hours)	Mar 16 - Apr 13 material

*Supplemental (i.e. not required) essays and textbook activities can be found through **Canvas (Modules)**, your ebook or at learninglink.oup.com/access/wolfe6e-student-resources; the access code you received when you purchased/rented a new hardcover or ebook is required. If you purchased a used book and do not have an access code, you may view this content during office hours. For copyright reasons we cannot make it available any other way.

PSYCHOLOGY 368(001): Perceptual Processing Course Policies

Accommodations: If you will be seeking accommodation through the *Centre for Accessibility*, please provide your accommodation letter to Dr. Giaschi as soon as possible, and before the first quiz. Quizzes and exams for all students receiving accommodation must be scheduled through the Centre and booked according to their rules and deadlines.

If you anticipate a *religious or cultural observance* will conflict with a test, at least 2 weeks advance notice must be provided to Dr. Giaschi in writing.

If you have *conflicting responsibilities* that will interfere with your attendance in this course, please discuss this with Dr. Giaschi as soon as possible and before the course drop date (Jan 20); supporting documentation may be requested.

In-Term Academic Concession: You should not take a test when you are unwell. The quizzes may be missed without penalty or the need to report your absence. The weighting of the subsequent midterm exam (*Midterm exam 1* if you miss *Quiz 1*; *Midterm exam 2* if you miss *Quiz 2*) will be increased by 5% in the calculation of your final grade.

To miss a midterm exam you must request academic concession through self-reporting of conflicting responsibilities, medical circumstances or compassionate grounds (refer to UBC calendar entry: www.calendar.ubc.ca/vancouver/index.cfm?tree=3,329,0,0), using your Faculty's procedure for submitting request forms (be sure to **let Dr. Giaschi know** if you are submitting online instead of to her).

Arts 1st request - download file from **Canvas** (*Modules*); complete and email to Dr. Giaschi

Arts 2nd request (online) - students.air.arts.ubc.ca/academic-concession-form/

Science - download file from **Canvas** (*Modules*); complete and email to Dr. Giaschi

Kinesiology (online) - kin.educ.ubc.ca/undergraduate/bkin/academic-concession/concession-itw/

If concession is granted, Dr. Giaschi will consult with you on an individual basis to determine if a make-up exam or a reweighting of the final exam by 30% is the best option for you. If you miss both midterm exams a make-up for the second missed exam must be taken.

Concession will **not** be granted for: an exam that you have already taken, absences due to travel or other social plans or exam conflicts with other courses. If you request concession for more than 1 exam, you will be referred to your Faculty advising office.

Final Exam Concession: If you are unable to write the final exam as scheduled, you must apply for deferred standing in the course through your Faculty academic advising office. If you are granted deferred standing (SD), you must write a make-up final exam at a later date. **Do not make April travel plans until the final exam schedule is released in February.**

Electronic Devices: Laptops and similar devices can be effective learning tools and are welcome in class. However, if you are using them for non-class-related activities it can be distracting for others, so please sit towards the back of the room. Cell phones should be kept in *silent mode* at all times and never answered during class. All electronic devices, including smart watches and Bluetooth enabled earplugs, must be stored out of reach during quizzes and exams.

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Departmental and University Policies

Scaling of Grades: In order to reduce grade inflation and maintain equity across multiple course sections, all psychology classes are required to comply with departmental norms regarding grade distributions. According to these norms, the mean grade in a 300-level class is 75 for an exceptionally strong class, 73 for an average class, and 71 for a weak class, 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 the 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%		

Student support: 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, discrimination and racism are not tolerated, nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious and cultural observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions. Details of the policies and how to access support are available on senate.ubc.ca/policies-resources-support-student-success. UBC's evolving anti-racism work is described at equity.ubc.ca/together-against-racism/

COVID-19 safety: The wearing of masks is no longer required, but UBC continues to recommend that masks be worn in indoor public spaces. Non-medical masks that cover our noses and mouths are a primary tool for combating the spread of COVID-19 and other respiratory illnesses, and you are welcome to wear one in our classroom.

If you feel unwell (complete a self-assessment here: <https://bc.thrive.health/covid19/en>) or if you have tested positive for COVID-19, **please stay home**. If you feel unwell on a midterm exam day, apply for in-term concession and email Dr. Giaschi ahead of time. To prepare for possibly needing to miss a class due to illness, we suggest you 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, you can use Piazza to connect with other students. You can always come to office hours for extra assistance.

Your teaching team will not come to class if they are unwell. Should Dr. Giaschi need to stay home, you will be notified through a Canvas announcement; the lecture will be given during class time on Zoom if possible, otherwise a recording will be posted on Canvas.

Please help us to maintain a safe and respectful environment.

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Academic Integrity

As part of the academic community, you are expected to act honestly and ethically in all of your academic activities, just like the rest of us. In Psyc 368 that means doing your own work, avoiding collusion, not using aids that have been excluded by the examiner, not sharing material provided for you to use in this course, and acknowledging the ideas of others (more details on each of these below).

Make sure you understand UBC's definitions of [academic misconduct](#), [consequences](#), as well as expectations about [academic honesty](#). *Please ask if you're not sure how these apply to our course.* While you're checking out the calendar, you should also remind yourself about the "[Student Declaration and Responsibility](#)" statement you agreed to when you registered.

DO your own work. All individual work that you submit should be completed by you and submitted by you. All assessments are designed to help you learn about Perceptual Processing. It is *unacceptable* to misrepresent your identity by using someone else to complete any portion of this course (e.g., comment on Piazza, complete a test question). It is *unacceptable* to buy/sell/swap/share test questions or answers on any platform. It is *unacceptable* to help someone else cheat.

AVOID collusion. Collusion is a form of academic integrity violation that involves working too closely together without authorization. The resulting submitted work gains unfair advantage over other students because it is a measurement of the groups' understanding rather than the individual's understanding. Studying together does not count as collusion, but working together to write answers or answering someone else's question is considered to be collusion. You are expected to take tests on your own without any type of assistance.

DO NOT use aids that have been excluded by the examiner. Unless otherwise explicitly specified, all tests in Psyc 368 will be closed book. This means you may not use notes, lecture slides, books, calculators, websites, etc. to look up answers to test questions.

DO NOT share materials provided for you to use in this course. We are working hard to provide all the materials you need to succeed in this course. In return, please respect our work. All test questions and answers, Piazza posts, announcements, lecture slides and outlines, Canvas modules, and any other materials provided to you by Dr. Giaschi and the TAs or in the textbook and other readings are for use in this course by students currently enrolled in PSYC 368. It is *unacceptable* to share any of these materials beyond our course, including by posting on file-sharing websites (e.g., CourseHero, GoogleDocs). It is *unacceptable* to copy and paste sentences from the textbook (e.g., definitions) into for-profit software (e.g., Quizlet) for use in studying. Please respect our intellectual property, and follow copyright law.

DO acknowledge the ideas of others. Scholars build on the work of others, and give credit accordingly—this is a quality of strong academic writing. As an example, most of these academic integrity principles were adapted from material prepared by Dr. Catherine Rawn.