

LING/PSYC 467		Experimental Psycholinguistics		Fall 2019	
Instructor:	Dr. Angeliki Athanasopoulou	Lecture Location:	KNB 131		
Phone:	403-220-5300	Lecture Days/Time:	T/R 14:00 – 15:15		
Email:	angeliki.athanasopou@ucalgary.ca	Lab-B01 Location:	SA 125		
Office:	CHC 205A	Lab-B01 Days/Time:	M 14:00-15:50		
Office Hours:	T/R 15:30 – 17:00 or by appt.	Lab-B02 Location:	SA 123		
TA:	Jaimy Hannah	Lab-B02 Days/Time:	R 9:30-11:20		

Course Description

Transforming an idea or thought to be communicated into speech and conversely interpreting speech by others into a meaningful and organized message that transmits information and intentions is an incredibly complex process that employs an interconnected series of systems in the human mind/brain. Psycholinguistics studies how humans acquire, produce, and comprehend language. More precisely it studies the systems, processes and mental representations involved in the production and comprehension of language.

In this course we will cover fundamental knowledge required by anyone (linguist or psychologist) who wants to study these processes and we will explore evidence from interdisciplinary basic research that aims to answer questions about them. We will examine different theories and models of language processing as well as classic and more recent experimental evidence in support of those models. Finally, we will talk about the methods and procedures used to carry out psycholinguistic research and carry out hands-on exercises employing some of these methods.

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), and the expected level of achievement.

Course Learning Outcomes	Assessment Methods	PLO(s)	Level(s)
Students will familiarize themselves with relevant background, including theories, frameworks, and major debates in psycholinguistics.	Online discussion participation, in-class discussion participation	1,4	C, C
Students will construct and administer simple psycholinguistic experiments based on accessible experimental methods to test a hypothesis, gather sample data and summarize the results.	HW assignments, research proposal	2,3,4	C, C, A

Students will synthesize ideas and background covered to hold informed discussions on the predictions and implications of psycholinguistic theories as well as the evidence necessary to support one over the other.	Online discussion participation, in-class discussion participation, research proposal	2,4,7	A, A, I
Students will critically evaluate primary research journal articles and propose questions for future study.	Online discussion participation, in class discussion, research proposal	2,4,5	A, A, C
Students will write a motivated and plausible research proposal that is grounded in a brief literature review and proposes an experiment to test a clearly-defined hypothesis	Research proposal (final writeup)	1,2,4, 5,7	A, A, C, A, C

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

LING 201, or PSYC 312 and admission to the Psychology Major or Honours program.

Required Text (available at the University Bookstore and online)

Sedivy, J. (2019). *Language in Mind: An Introduction to Psycholinguistics*" (Second Edition). Oxford University Press.

Assessment Methods

HW assignments 30%	(Sep 12, 19, 26; Oct 3, 10, 24, 31; Nov 7, 21, 28 — 5pm)
Discussion questions 10%	(Sep 10, 17, 24; Oct 1, 8, 22, 29; Nov 5, 19, 26; Dec 3 — 2h before class)
Quizzes 10%	(Sep 19; Oct 3, 24; Nov 7, 21)
Midterm Exam 20%	(Oct 17)
Final Project 30%	(Nov 19, 26; Dec 9 — 5pm)

There will be no final exam for this course.

HW (homework) assignments: Students will put together simple experiments in PsychoPy with the help of the instructor and TA and collect sample data with themselves as the sole participant. The aggregated and anonymous data will be looked at and analyzed. Students will write up a brief summary of the results. Students will be assessed on their understanding of the process, the results, and how the results support one or another theoretical position. Assignments will be submitted through D2L by 5pm the day they are due. The HW due dates are tentative and subject to change to a later date (you will be notified of any revisions to the due dates on D2L, via email, and in class). Without documentation, late assignments will incur a full letter grade of penalty for the first day after the due date and another full letter grade of penalty for every day thereafter.

Discussion Forum: A substantial part of the course will focus on discussing the readings from a critical perspective. To facilitate this, students have to add a comment about the readings for that day to the Discussion Forum on D2L, at the latest 2 hours before class. Students will be assessed on their participation level, on a weekly basis. Students are allowed to miss one (1) discussion question throughout the semester. Without documentation, for every missed question beyond that a 1% penalty will be added to their participation grade.

Quizzes: To help the students keep up with the readings and evaluate their understanding of important concepts and methodologies we discuss in class, short quizzes will be administered on the material we discussed in class (lecture or lab) or the material they had to read to prepare for class on the day of the quiz. The quizzes will be taken at the beginning, middle, or end of class (10-15 minutes in duration) and include some multiple choice questions or short answer questions. (See at the end of the document the policy about missing exams.)

Midterm Exam: The midterm exam will consist of multiple-choice, short answer, and essay questions based on the readings up to that point in class. Answers to the questions may need to be substantiated by citing relevant studies and findings. Concrete examples will be necessary. Students will be assessed on knowledge of relevant facts and the quality of the arguments they construct. The use of electronics of any kind or other aids (books, notes, etc.) during the exam is strictly prohibited. (See at the end of the document the policy about missing exams.)

Final Research Proposal: The final research proposal will be a short paper (maximum 3,000 words, not including References) in which the students propose in some detail an experiment designed to investigate a question in psycholinguistics. Students will be assessed on the quality of the entire proposal in both form and content: a) The background and motivation for the study; b) the soundness and impact of the question that will be investigated; c) the methods proposed to collect the data necessary to answer the question. APA format is required. The write-up will be submitted through D2L by 5pm on the due date. Without approved documentation, late submission of the research proposal will not be accepted.

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 (Dates and content subject to change)

Week	Lecture Date	Topic / Reading	Due	Lab Dates	Lab
W0	R Sep 5	CH1: The science of Language	(Pinker's lecture)	B01: // B02: R Sep 5	NO LAB
W1	T Sep 10	CH2: Origins of Human Language	Discussion Question	B01: M Sep 9 B02: R Sep 12	Method 2.1, Researchers 2.1
	R Sep 12		HW1		
<i>Sep 12: Last day to drop a class without a penalty</i>					
<i>Sep 13: Last day to add or swap a course</i>					
W2	T Sep 17	CH3: Language and the Brain	Discussion Question	B01: M Sep 16 B02: R Sep 19	Method 3.2, Researchers 3.1
	R Sep 19		HW2 + QUIZ1		
<i>Sep 20: Fee payment deadline for Fall Term full and half courses.</i>					
W3	T Sep 24	CH4: Learning sound patterns	Discussion Question	B01: M Sep 23 B02: R Sep 26	Method 4.1, 4.2, Researchers 4.1
	R Sep 26		HW3		
W4	T Oct 1	CH5: Learning words	Discussion Question	B01: M Sep 30 B02: R Oct 3	Method 5.1, Researchers 5.1
	R Oct 3		HW4 + QUIZ2		

W5	T Oct 8	CH6: Learning structure of sentences	Discussion Question	B01: M Oct 7 B02: R Oct 10	Method 6.1, 6.2 Researchers 6.1
	R Oct 10		HW5		
W6	T Oct 15	REVIEW	//	B01: M Oct 14 B02: R Oct 17	Final Project Discussion
	R Oct 17	EXAM			
W7	T Oct 22	CH7: Speech perception	Discussion Question	B01: M Oct 21 B02: R Oct 24	Method 7.1 Researchers 7.1
	R Oct 24		HW6 + QUIZ3		
W8	T Oct 29	CH8: Word recognition	Discussion Question	B01: M Oct 28 B02: R Oct 31	Method 8.1 Researchers 8.1
	R Oct 31		HW7		
W9	T Nov 5	CH9: Understanding sentence structure and meaning	Discussion Question	B01: M Nov 4 B02: R Nov 7	Method 9.1 Researchers 9.1
	R Nov 7		HW8 + QUIZ4		
W10	T Nov 12	BREAK	BREAK	B01: M Nov 11 B02: R Nov 14	BREAK
	R Nov 14				
W11	T Nov 19	CH10: Speaking	Discussion Question & Title of Final	B01: M Nov 18 B02: R Nov 21	Method 10.2 Researchers 10.1
	R Nov 21		HW9 + QUIZ5		
W12	T Nov 26	CH11: Discourse and inference	Discussion Question & Outline of Final	B01: M Nov 25 B02: R Nov 28	Method 11.1 Researchers 11.1
	R Nov 28		HW10		
W13	T Dec 3	CH13: Language diversity	Discussion Question	B01: M Dec 2 B02: R Dec 5	Method 13.2 Researchers 13.1
	R Dec 5		//		
<i>Dec 6: Last day to withdraw with permission from Fall Term half courses</i>					
//	M Dec 9	FINAL PAPER DUE (5pm)			

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

A student who feels that a piece of graded term work (term paper, essay, test, etc.) has been unfairly graded, may have the work reappraised as follows. The student shall discuss the work with the instructor **within ten business days** of being notified about the mark or of the item's return to the class. If not satisfied, the student shall take the matter to the head of the department offering the course **within 2 business days of receiving the decision from the instructor**, who will arrange for a reappraisal of the work **within the next ten business days**. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected. Students in faculties without a departmental structure should take the matter to the dean, or designate, of the faculty offering the course. The result of that reappraisal will be given to the student in writing along with information about appealing the reappraisal.

The reappraisal of graded term work may cause the grade to be raised, lowered or to remain the same. There is no limit to the number of pieces of graded work that a student may request be reappraised, however a single piece of work may only be reappraised once.

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

In the reappraisal of a final grade, the only element that will be considered is the grading of the final assessment that makes up the final mark (e.g., final examination, final project, final paper). An exception may occur when the Instructor of Record evaluates a piece of graded term work at the end of the term; that grade may also be considered in a reappraisal of final grade.

A student seeking a reappraisal of a final grade should first attempt to review the final assessment with the department or faculty offering the course. After which, the student shall obtain a Reappraisal of Final Grade form from ucalgary.ca/registrar (under Student Forms). The student must indicate exactly what error was made in marking the final assessment and/or in computing the final grade. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected.

Students requesting a reappraisal of a final grade must submit their request by the following dates:

Fall Term – March 1

Winter Term – June 30

Spring Intersession – August 15

Summer Term – October 15

Supplemental Examinations: 30 calendar days from the date the examination was written

For information relating to Law, Veterinary Medicine and the Cumming School of Medicine (MD) courses, please refer to the faculty section.

The reappraisal form shall be submitted to Enrolment Services who will forward it to the department head or dean of the faculty offering the course. Reappraisals of final grades are dealt with by the head of the academic unit in consultation with members of academic staff. Normally, the department/faculty will respond to a reappraisal request within thirty calendar days of its initiation. After the reappraisal is completed, the department shall return the form to the Registrar's Office who shall inform the student in writing of the decision.

Students should be aware that the grade being reappraised may be raised, lowered or remain the same. A student may request a reappraisal of final for a maximum of two courses in one academic year (September 1 – August 31).

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.

Copyright Legislation

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf>) 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 unauthorised 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.

Academic Accommodations

The student accommodation policy can be found at: 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. Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the instructor.

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 A Test/Exam

Makeup tests/exams are **NOT** an option without the approval of the instructor. A student may be asked to provide supporting documentation for an exemption/special request for a make-up exam <https://www.ucalgary.ca/pubs/calendar/current/n-1.html>. Students who miss a test/exam have up to **48 hours** to contact the instructor to ask for a makeup test/exam. It's the instructor's discretion if they will allow a make-up 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. Once approved by the instructor 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 <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 <https://www.ucalgary.ca/registrar/exams/deferred-exams>. Students with an exceptional extenuating circumstance (e.g., a family emergency) should contact the Department of Psychology (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. Please see <https://www.ucalgary.ca/legalservices/foip> for complete information on the disclosure of personal records.

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/>).

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

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 suvpaca@ucalgary.ca
Student Union Faculty Rep.: arts1@su.ucalgary.ca

Students may wish to join the Linguistics undergraduate student club (Verbatim). They are located in Craigie Hall C 209 and may be contacted at verbatim@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 (<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.

Faculty of Arts Program Advising and Student Information Resources

Have a question, but not sure where to start?

The Arts Students' Centre is the overall headquarters for undergraduate programs in the Faculty of Arts. The key objective of this office is to connect students with whatever academic assistance they may require.

In addition to housing the Associate Dean (Undergraduate Programs and Student Affairs) and the Associate Dean (Teaching, Learning & Student Engagement), the Arts Students' Centre is the specific home to:

- Program advising
- Co-op Education Program
- Arts and Science Honours Academy
- Student Help Desk

Location: Social Sciences Room 102

Phone: 403-220-3580

Email: ascarts@ucalgary.ca

Website: arts.ucalgary.ca/undergraduate.

For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them at the MacKimmie Block.

Contacts for the Students' Union Representative for the Faculty of Arts: arts1@su.ucalgary.ca, arts2@su.ucalgary.ca, arts3@su.ucalgary.ca, arts4@su.ucalgary.ca.

Internet and Electronic Communication Devices

Devices such as laptops, palmtops and smartbooks are allowed provided that they are used exclusively for instructional purposes and do not cause disruption to the instructor and to fellow students. Cellular telephones, blackberries and other mobile communication tools are not permitted and must be switched off.

Support and Resources

A link to required information that is not course-specific related to student wellness and safety resources, can be found on the Office of the Registrar's website:

<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, September 12, 2019**. Last day add/swap a course is **Friday, September 13, 2019**. The last day to withdraw from this course is **Friday, December 6, 2019**.