

DEPARTMENT OF PSYCHOLOGY Faculty of Arts

Psychology 425	Huma	Fall 2019	
Instructor:	Dr. Jeff Caird	Lecture Location:	MS 217
Phone:	(403) 220-8441	Lecture Days/Time:	T/Th
			2:00 to 3:15 p.m.
Email:	jkcaird@ucalgary.ca	Lab. Times:	LAB 1: W 2-3:50
			AD 248
			LAB 2: F 2-3:50
			AD 248
Office:	Admin. 222	TA:	<mark>TBA</mark>
Office Hours:	By appointment	Office:	<mark>TBA</mark>

Course Description

This course surveys the theory and data pertaining to the relationships between humans and technology. A research paper and laboratory experiences are integral parts of this course.

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 apprehend and articulate the knowledge and methods within human factors.	Multiple choice and essay exams.	1,5,7	А
Students will apply knowledge and methods to a variety of contexts and problems.	Laboratory assignments, essays exams, group activities.	2,6,7	С
Students will search and synthesize knowledge on a specific topic.	Research paper, presentations.	3,5,7	С

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

Psychology 312 – Experimental Design and Quantitative Methods for Psychology or PSYC 300 and 301 – Research Design and Data Analysis in Psychology I and II

Required Texts (available from the Bookstore and online)

Vicente, K. (2003). *The Human Factor*. Toronto: Vintage Canada.

Lee, J.D., Wickens, C.D., Lui, Y., & Boyle, L.N. (2017). *Designing for People (3rd ed.)*. Charleston, S.C.: CreateSpace.

Evaluation

Examinations:

- 1) The mid-term exam on **October 24th (R)** will cover readings (C1–8) and lectures through Oct. 22nd. The midterm is closed book.
- 2) The final exam will stress the final half of the course readings (C9–10), lecture notes and lectures, however, a portion of it will be cumulative (e.g., usability, attention, etc.). The final exam will be scheduled by the Registrar and will be two hours in length and is again closed book.
- 3) The format of the midterm and final exams is approximately 60% multiple choice and 40% essay. The weighting of each exam is indicated under the Distribution of Grades. A review sheet will be provided prior to each exam with example essays. The use of iPods, iPads, computers, books or notes during all tests is prohibited.

Laboratories:

Six laboratories assignments are required and comprise 30% of the final grade. Each laboratory is worth 5% of the final mark. The TA will provide a detailed laboratory handout on DTL that outlines each of the laboratories, marking expectations, methods of submission, due dates and late assignment penalties. Students must achieve a passing grade on both the class and lab components to pass this course. The following list of laboratories is tentative:

Date	Laboratory	
Sept. 18/20	Design Lab.	
Sept. 25/27	Usability Engineering I	
Oct. 2/4	Usability Engineering II	
Oct. 9/11 Pictorial Evaluation/Design		
Oct. 16/18	Paper Proposals, Sign-Up	
Nov. 6/8	Workspace Layout	
Nov. 20/22	Aging Lab.	
Nov. 27/29	Self-driving Vehicles	

Written Papers:

A major written paper is part of the course requirements. A paper proposal is due during lab on either October 16th and 18th (depending on your lab section). The paper proposal should be structured into a one-page outline of the topics that are to be addressed in the review and summarize a minimum of three empirical papers. The Instructor and TA will provide guidance in the selection of appropriate topics. Students are expected to select a topic, research it in depth, write a review outside of class, and edit it extensively. APA (6.0) formatted papers shall not exceed 15 pages inclusive of references. Papers

are due November 28th (Th) at 4:00 p.m. Without approved documentation, failure to submit your paper will result in a grade of 0. I will not accept emailed papers. Students will give a presentation of their paper for about 5 minutes in class (Nov. 28th, Dec. 3th, 5th). The presentation should cover the topic reviewed and the important conclusions reached. Presentations constitute approximately 2% of the final grade and missed presentations will be assigned a 0 without approved documentation.

Distribution of Grades:

Laboratory Assignments	30%
Paper	20%
Mid-term Exam	20%
Final Exam	30%
Total	100%

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%
Α	90-95%	В	76-79%	С	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. In this course there will be no rounding up of final grades.

Fall Schedule

Date	Topic/Activity/Readings/Due Date		
R Sep 5	University Lectures begin.		
R Sep 12	Last day to drop a class without financial penalty.		
F Sep 13	Last day to add or swap a course.		
F Sep 20	Fee payment deadline for Fall Term full and half courses.		
M Oct 14	Thanksgiving Day, University closed (except Taylor Family Digital Library, Law, Medical,		
	Gallagher and Business Libraries). No lectures.		
R Oct 24	Midterm Exam: Chapters 1 to 8		
R Nov 10-16	Term break no classes.		
M Nov 11	Remembrance Day (Observed). University Closed (except Taylor Family Digital Library,		
	Law, Medical, Gallagher and Business Libraries). No lectures.		
R Nov 28	Review paper due by 4:00 p.m., Paper Presentations		
T Dec 3	Paper Presentations		
R Dec 5	Paper Presentations		
F Dec 6	Fall Term Lectures End. Last day to withdraw with permission from Fall Term half		
	courses.		
Dec 9-19	Fall Term Exam Period.		

Tentative Lecture Schedule

	Dates	Topic(s)	Readings
1.	Sept. 10, 12	Introduction, Research Methods	Lee et al., C1, C2
2.	Sept. 17, 19	Evaluation Methods	Lee et al., C3
3.	Sept. 24, 26	Visual System	Lee et al., C4
4	Oct. 1, 3	Auditory System, Cognition	Lee et al., C5
5.	Oct. 8, 10	Cognition, Decision Making	Lee et al., C6
6.	Oct. 15, 17	Decision Making, Displays	Lee et al., C7, C8
7.	Oct. 22	Displays, Review	Lee et al., C8
8.	Oct. 29, 31	The Human Factor	Vicente (2003)

9.	Nov. 5	Controls	Lee et al., C9
10.	Nov. 7	Anthropometry & Workspace Design	Notes
11.	Nov. 19	Aging Human Factors	Notes
12.	Nov. 21	Transportation Human Factors	Notes
13.	Nov. 26, 27	Healthcare Human Factors	Notes
14.	Nov. 28,	Paper Presentations	
	Dec. 3, 5		

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.

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.

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/).

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: 403-220-3911suvpaca@ucalgary.caStudent Union Faculty Rep.: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 (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

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**.