

Psychology 503.62
Aging Human Factors
Fall 2022

Instructor:	Prof. Jeff Caird	Lecture Location:	EDC 264
Phone:	403-220-8441	Lecture Days/Time:	MWF 1:00-1:50 p.m.
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Course Description

This course surveys the relationships among aging humans, the environment and technology. Successful aging through optimization of quality of life is explored by applying human factors psychology and gerontology principles. Class discussions, presentations and a review paper 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 synthesize and articulate the knowledge and methods within aging human factors.	Take home essay exam	1,5,6,7	A
Students will apply knowledge and methods to a variety of contexts and problems.	Essay exam, group activities	2,6,7	C
Students will search and synthesize knowledge on various topics.	Written papers and class presentations	3,4,5,7	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.

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.

Course Format

This is an in-person class held on campus.

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 Text

Through the bookstore or online:

Czaja, S.J., Boot, W., Charness, N., & Rogers, W.A. (2019). *Designing for older adults: Principles and creative human factors approaches (3rd Ed.)*. Boca Raton, FL: CRC Press.

Assessment Methods

Class Presentations (20% of course grade):

In groups of two or three (depending on class size), students will cover the content of a course reading for the week. A list of course readings will be posted to D2L. Each group will search and identify a complimentary reading that contrasts the content of the assigned reading. Each class member will read the course reading for the week prior to class and be prepared to discuss the content and issues. The purpose of presentations is to critique important methods, results and issues associated with each topic. Groups should integrate discussion questions into presentations and plan sufficient time to discuss content and issues. Group slides will be posted to DTL after presentations.

Examinations (35% of course grade):

The **take home exam** will cover the book, course readings and class presentations. The format of the exam will be long essay.

Written Papers (35% of course grade):

A written review paper is part of the course requirements. The topic chosen is up to the student but should be related to the course content. A paper proposal is to be submitted to the designated D2L dropbox by 4 p.m., October 21st. 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 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 7 formatted papers shall not exceed 15 pages, double spaced, 1-inch margins, 12-point font, title page and references. A detailed marking rubric will be provided on D2L. Papers are due **November 30th (W) at 4:00 p.m. through the D2L dropbox. Late assignments will not be accepted without instructor approval.** I will not accept emailed papers.

Paper Presentations (10% of course grade):

Students will give a presentation of their paper for about 10 minutes in class (**November 28, 30th, December 2nd, 5th, 7th**). The presentation should cover the topic reviewed and the important conclusions reached. Presentations constitute approximately 10% of the final grade. Missed presentations will be assigned a 0 without instructor approval.

Distribution of Grades:

Class Presentations	20%
Paper	35%
Paper Presentations	10%
Take Home Exam	35%
Total	100%

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%

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-).

Important Dates

Date	Topic/Activity/Readings/Due Date (revise and add columns & rows as necessary)
W Sep 7	University Lectures begin.
R Sep 15	Last day to drop a class without a penalty
F Sep 16	Last day to add or swap a course
F Sep 23	Fee payment deadline for Fall Term full and half courses.
F Sept 30	UNIVERSITY CLOSED National Day for Truth and Reconciliation
M Oct 10	Thanksgiving Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.
F Oct 21	Paper Proposals Due
Nov 6-12	Term Break No Classes
F Nov 11	Remembrance Day (Observed). University Closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.

W Nov 23 F Nov 25	Take Home Final
M Nov 28	Papers Due
W Nov 30	Presentations
F Dec 2	Presentations
M Dec 5	Presentations
W Dec 7	Presentations Fall Term Lectures End. Last day to withdraw with permission from Fall Term half courses.
Dec 10-21	Fall Final Exam Period

Tentative Lecture Schedule

	Dates	Topic(s)	Readings
1.	Sept. 7, 9	Syllabus, Introduction	Czaja et al., Chapter 1
2.	Sept. 12, 14, 16	Characteristics of Older Adults, Individual Differences	C2, C3
3.	Sept. 19, 21, 23	Existing and Emerging Technology	C4
4.	Sept. 26, 28	Principles of Design	C5
5.	Oct. 3, 5, 7	Involving Older Adults in Design Interface Design & User Experience	C6, C7
6.	Oct. 12, 14	Transportation	C9
7.	Oct. 17, 19, 21	Trans. II, Autonomous Vehicles	
8.	Oct. 24, 26, 28	Healthcare	C10
9.	Oct. 31, Nov. 2, 4	Living Environments	C11
10.	Nov. 14, 16	Social and Communication	C13
11.	Nov. 18, 21	Work and Leisure	C12, C14
12.	Nov. 23, 25	Take Home Final	
13.	Nov. 28, 30 Dec. 2, 5, 7	Paper Presentations	In class

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

Supporting Documentation

Students may be asked to provide supporting documentation for an exemption/special request. This may include, but is not limited to, a prolonged absence from a course where participation is required, a missed course assessment, a deferred examination, or an appeal. Students are encouraged to submit documentation that will support their situation. Supporting documentation may be dependent on the reason noted in their personal statement/explanation provided to explain their situation. This could be medical certificate/documentation, references, police reports, invitation letter, or a statutory

declaration, etc. The decision to provide supporting documentation that best suits the situation is at the discretion of the student. Students cannot be required to provide specific supporting documentation, such as a medical note.

Students can make a Statutory Declaration as their supporting documentation (available at ucalgary.ca/registrar). This requires students to make a declaration in the presence of a Commissioner for Oaths. It demonstrates the importance of honest and accurate information provided and is a legally binding declaration. Several registered Commissioners for Oaths are available to students at no charge, on campus, please see ucalgary.ca/registrar.

Falsification of any supporting documentation will be taken very seriously and may result in disciplinary action through the Academic Discipline regulations or the Student Non-Academic Misconduct policy.

Absence from a Test/Exam

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

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/university-policies-procedures/accommodation-students-disabilities-procedure>.

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://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy>) 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, September 15, 2022**. Last day add/swap a course is **Friday, September 16, 2022**. The last day to withdraw from this course is **Wednesday, December 7, 2022**

<https://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html#fall2017>