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Psychology 620.6	Human Factors	Winter 2017
<b>Instructor:</b>	Dr. Jeff Caird	<b>Lecture Location:</b> EDC 286
<b>Phone:</b>	(403) 22-9438	<b>Lecture Days/Time:</b> Monday 1:00-3:45 p.m.
<b>Email:</b>	jkcaird@ucalgary.ca	
<b>Office:</b>	222 Administration	
<b>Office Hours:</b>	By appointment	

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**Course Description and Goals**

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

**Required Text (Available at the Bookstore, Amazon.ca)**

Wickens, C.D., Hollands, J.G., Bansbury, S., & Parasuraman, R. (2013). *Engineering psychology and human performance* (4<sup>th</sup> Ed.). Montréal: Pearson.

**Optional Text (Available at Amazon.ca)**

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

**Evaluation****Written Papers:**

A written paper is part of the course requirements. A paper proposal is due on February 13<sup>th</sup>. The paper proposal should be structured into a one-page outline.

**Class Presentations:**

Students will present readings on course topics covered during the semester. Students are expected to lead discussion and highlight important results of assigned weekly readings.

**Final Exam:**

Students will write a take-home final exam during the week of April 15<sup>th</sup>. Essay questions will focus on synthesizing readings and applying knowledge to certain problems.

**Distribution of Grades:**

Paper	40%
Class Presentations	30%
Final Exam	30%
Total	100%

**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%

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 Winter 2017**

Date	
M Jan 09	Winter term lectures begin.
F Jan 20	Last day to drop Winter Term half-courses. No refunds for Winter Term half courses after this date.
M Jan 23	Last day to add or swap Winter Term half courses. Last day for change of registration from audit to credit or credit to audit.
Feb 19 - 26	Reading Week. No lectures.
M Feb 20	Alberta Family Day. No Classes. University Closed
F Apr 14	Good Friday. No Classes. University Closed
W Apr 12	Winter Term Lectures End. Last day to withdraw with permission from Winter or Multi Term courses.

**Tentative Schedule**

Date	Topic/Activity/Readings/Due Date (revise and add columns & rows as necessary)
M Jan 09	Class organization and assignment of readings. Introduction and Professional Issues.
M Jan 16	SDT and Attention
M Jan 23	Spatial Displays
M Jan 30	Spatial Cognition
M Feb 6	Language and Communication
M Feb 13	Memory and Training
Feb 19-26	Reading Week. No lectures. University open (except Family Day).
M Feb 20	Alberta Family Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.
M Feb 27	Decision Making
M Mar 6	Selection of Action
M Mar 13	Multitasking
M Mar 20	Healthcare
M Mar 27	Automation
M Apr 3	Transportation
M Apr 10	Paper Presentations
Apr 15-26	Winter Term Final Examinations.

### **Reappraisal of Grades**

A student who feels that a piece of graded term work (e.g., term paper, essay, test) has been unfairly graded, may have the work re-graded as follows. The student shall discuss the work with the instructor within 15 days of being notified about the mark or of the item's return to the class; no reappraisal of term work is permitted after the 15 days. If not satisfied, the student shall immediately take the matter to the Head of the department offering the course, who will arrange for a reassessment of the work within the next 15 days. The reappraisal of term work may cause the grade to be raised, lowered, or to remain the same. If the student is not satisfied with the decision and wishes to appeal, the student shall address a letter of appeal to the Dean of the faculty offering the course within 15 days of the unfavourable decision. In the letter, the student must clearly and fully state the decision being appealed, the grounds for appeal, and the remedies being sought, along with any special circumstances that warrant an appeal of the reappraisal. The student should include as much written documentation as possible.

### **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 Accommodation**

It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 403-220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than 14 days after the start of this course.

### **Absence From A Test/Exam**

Makeup tests/exams are **NOT** an option without an official University medical excuse (see the University Calendar). A completed Physician/Counselor Statement will be required to confirm absence from a test/exam for health reasons; the student will be required to pay any cost associated with this Statement. Students who miss a test/exam have up to 48 hours to contact the instructor and to schedule a makeup test/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. Except in extenuating circumstances (documented by an official University medical excuse), 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>.

### **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. Under no circumstances will this be accommodated by the department.

### **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.

### **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 [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)

**Student Union Faculty Rep.:** [arts1@su.ucalgary.ca](mailto: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](mailto: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 **January 20, 2017**. Last day for registration/change of registration is **January 23, 2017**. The last day to withdraw from this course is **April 12, 2017**.