



Cognitive Psychology – Psychology 365 (L02) – Winter Session 2007 Course Outline

Instructor Raymond W. Gunter	Office/Phone Admin 01/220-6682	Lecture time TR 3:30-4:45 pm
Email rwgunter@ucalgary.ca	Office hour TR 5:00-6:00 pm	Lecture room MFH 164

Description

By using your cognitive processes, you will learn and hopefully remember lots of interesting and important things about your cognitive processes. From the calendar: *A survey of research and theory in cognitive psychology. Research in pattern recognition, attention, memory, language, thinking, and other cognitive abilities is explored, with discussion of associated brain mechanisms.*

Textbook and Website

Textbook: Reisberg (2006). *Cognition: Exploring the Science of the Mind*. Norton. (in bookstore)
Blackboard: <https://blackboard.ucalgary.ca/webapps/login>

Evaluation

There will be 3 term tests (25%, 25%, 25%) and a final exam (25%). All are non-cumulative multiple-choice tests based on lectures and text chapters. Some text material will not be covered in class, and some lecture material will not be covered elsewhere, but *all* are fair game for the tests/exam. Therefore you must read your text AND come to class! If you miss a term test, you receive a zero unless you provide me with a completed Physician/Counsellor Statement within 1 week of the test. If your documented reason for your absence is acceptable, you will be permitted to write a make-up exam. All make-up exams will consist of short answer questions. If you miss the final exam, contact the Registrar's office (220-5522) to apply for an official deferred exam. You must write 2 of the 3 term tests as scheduled, and you must write the final exam, otherwise you automatically fail the course without exception (F grade).

University of Calgary Curriculum Objectives

<i>(1) University of Calgary Core Competencies</i>	<i>(2) Curriculum Redesign Features</i>
Critical & creative thinking: A-B	Defined interdisciplinary component: N/A
Analysis of problems: A-B	International component: N/A
Effective oral & written communication: A	Experiential learning relevant to the program objectives: B
Gathering & organizing information: A-B	Broad & extended faculty-student interaction: N/A
Logical calculation, mathematical ability: A-B	Integration of research: A
Abstract reasoning & its applications: A-B	
Insight & intuition in generating knowledge: A	
Interpretive & assessment skills: A-B	

Grade Scale

A+	96-100%	A-	85-89%	B	76-79%	C+	67-71%	C-	59-62%	D	50-53%
A	90-95%	B+	80-84%	B-	72-75%	C	63-66%	D+	54-58%	F	0-49%

Final grades will rounded up to the nearest whole percent at the end of the term (e.g., 89.5% = 90% but 89.4% = 89%). I will not raise your final grades to help you reach a higher cut-off, but you can add to your final grade via research participation during the term.

xSchedule

Day	Date	Chapter – Topic	Brief Notes on Content
T	Jan 9	Introduction to course	
R	Jan 11	Ch 1 – Introduction to Cognitive Psychology	Brief history, underlying logic.
T	Jan 16	Ch 2 – The Neural Basis for Cognition	Anatomy of brain, research tools.
R	Jan 18	Ch 2 – The Neural Basis for Cognition	Use of biology to study cognition.
T	Jan 23	Ch 3 – Object Recognition	Visual perception.
R	Jan 25	Ch 3 – Object Recognition	Object/word recognition.
T	Jan 30	Ch 3 – Object Recognition	Theories of object recognition.
R	Feb 1	Test 1 (25%)	
T	Feb 6	Ch 4 – Attention	Mechanisms of attention.
R	Feb 8	Ch 4 – Attention	Cognitive capacity, divided attention, practice effects.
T	Feb 13	Ch 5 – Short-term and Working Memory	Working memory: Subsystems and executive functions.
R	Feb 15	Ch 5 – Short-term and Working Memory	Memory acquisition.
T	Feb 20	No classes – Reading Week (Feb 18-25)!	
T	Feb 27	Ch 6 – Long-term Memory: Interconnections Between Acquisition and Retrieval	Retrieval cues, encoding specificity, implicit memory.
R	Mar 1	Ch 8 – Long-term Memory: Associative Theories	Networks, nodes, and connectionism.
T	Mar 6	Test 2 (25%)	
R	Mar 8	Ch 7 – Memory Errors	False memories.
T	Mar 13	Ch 7 – Memory Errors	Theories of false memory.
R	Mar 15	No chapter – Emotional Memory	Memory accuracy for emotional events, effects of emotion on memory.
T	Mar 20	Ch 9 – Concepts and Generic Knowledge	Prototypes, typicality, definitions.
R	Mar 22	Ch 8 – Concepts and Generic Knowledge	Exemplars, concepts as theories.
T	Mar 27	Ch 11 – Visual Knowledge/Imagery	Visual imagery, long-term visual memory.
R	Mar 29	Test 3 (25%)	
T	Apr 3	Ch 10 – Language	Phonology, syntax, sentence parsing, linguistic rules.
R	Apr 5	Ch 12 and 14 – Judgment and Problem Solving	Heuristics, problem-solving methods, creativity.
T	Apr 10	Ch 13 – Reasoning	(Dis)Confirmation, mental

			models, decision-making.
R	Apr 12	Ch 15 – Consciousness	Conscious and unconscious processing.
	Apr 16-30	Final Exam (25%) – Scheduled by the Registrar	

Reappraisal of Grades

A student who feels that a piece of graded term work (term paper, essay, test, etc.) has been unfairly graded, may have the work re-graded as follows. The student shall discuss the work with the instructor within fifteen days of being notified about the mark or of the item's return to the class. 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 fifteen 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 fifteen 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 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 fourteen (14) days after the start of this course.

Absence From A Test

Make-up exams are NOT an option without an official University medical excuse (see the University Calendar). You must contact the instructor before the scheduled examination or you will have forfeited any right to make up the exam. At the instructor's discretion, a make-up exam may differ significantly (in form and/or content) from a regularly scheduled exam. Except in extenuating circumstances (documented by an

official University medical excuse), a makeup exam is written within two (2) weeks of the missed exam.

A completed Physician/Counselor Statement will be required to confirm absence from a test for health reasons. The student will be required to pay any cost associated with the Physician Counselor Statement.

Course Credits for Research Participation

Students in most psychology courses are eligible to participate in Departmentally approved research and earn credits toward their final grades. A maximum of two credits (2%) per course, including this course, may be applied to an individual's final grade. Students can create an account and access the Research Participation System website at <http://ucalgary.sona-systems.com>. The last day to participate in research is April 12, 2007.

Student Organizations

Psychology students may wish to join the Psychology Undergraduate Students' Association (PSYCHS). They are located in the Administration building, room 170 or may be contacted at 220-5567.

Student Union VP Academic: Phone: 220-3911 suypaca@ucalgary.ca
Student Union Faculty Rep.: Phone: 220-3913 socialscirep@su.ucalgary.ca

Important Dates

The last day to drop this course and **still receive a fee refund** is January 19, 2007. The last day to withdraw from this course is April 13, 2007.