

CGSC 1001: Mysteries of the Mind
Syllabus

Summer 2019, Tuesdays and Thursdays, 2:35pm to 5:25pm

Location: Tory Building 208

Course title: **Mysteries of the Mind**

Department: Institute of Cognitive Science (2201 Dunton Tower)

Instructor's name; office location & phone; email address; office hours:

Jay Jennings

Fifth Floor VSIM Building

Email: Please use the CULearn discussion board for questions. If you do not want other students to see the question, please use the CULearn messaging system.

Office hours: by appointment; please use TA office hours for questions

SONA (extra credit) issues will be dealt with by the cognitive science undergraduate administrator.

Please contact Melissa Lett MelissaLett@cunet.carleton.ca

Course newsgroup, web site address, etc. if applicable:

CULearn will be used for marks. <https://carleton.ca/culearn/>

Course description: -- content, aims, objectives:

The human mind is the most complex thing yet discovered in the universe. Learn about minds in humans, animals, and computers in this fascinating exploration of consciousness, memory, creativity, problem solving, perception, and your own biases. The introductory course will also cover fun topics such as how cognitive science can help you through school, how cognitive science applies to important real-world problems in areas such as law and computer interfaces, and the mind issues raised by popular movies. This course will guide you through the fascinating mysteries, and the solutions found so far, of our inner world.

Texts -- (required, supplementary, on Reserve, other):

Many readings for this course come from the online textbook "[Cognitive Science: An Introduction](#)," but it is still in progress and incomplete.

https://en.wikibooks.org/wiki/Cognitive_Science:_An_Introduction

Evaluation:

Your final grade will be a combination of marks from exams.

Carleton's Grading Scheme:

90-100	A+	67-69	C+
85-89	A	63-66	C
80-84	A-	60-62	C-
77-79	B+	57-59	D+
73-76	B	53-56	D
70-72	B-	50-52	D-
		00-49	F

Proportions of how marks contribute to your final course grade:

25%	quiz 1
25%	quiz 2
25%	quiz 3
25%	quiz 4

There's an online grade calculator at <https://apps.mercer.edu/registrarcalc/weightedaverage.html>

Extra credit in CGSC1001: Extra credit is available in two ways. Extra credit is assigned in 0.5% units for each 30 minutes of participation, up to a maximum of 4% total.

by participating in Institute of Cognitive Science (ICS) experiment. Participation in these activities is optional. For more information about how to participate in ICS experiments, go to the ICS sona website.

<https://carleton.ca/ics/current-students/undergraduate/participating-in-psychological-research-sona/>

Again, your participation is entirely optional. If you do not wish to participate in studies, contact the Instructor and he or she will try to find another way for you to earn extra credit.

Please note that this is a separate system from the Department of Psychology. Experiment participation done through psychology do not get you extra credit in an ICS course, and experiments participated in for ICS do not get you credit for psychology courses. If you have questions about SONA, contact **Melissa Lett** MelissaLett@cunet.carleton.ca

The other way is through the Incentive Program.

This course has been registered in the Incentive Program offered through the Centre for Student Academic Support (CSAS). CSAS Learning Support Workshops are designed to help students cultivate and refine their academic skills for a university environment.

Each workshop is about an hour long, so each workshop will be worth 1% of extra credit. Learning Support Workshops for the Fall 2018 term will be available starting January 8, 2019 and must be completed by April 9th, 2019 to receive credit for the Incentive Program. To see the complete Learning Support Workshop schedule, please visit mySuccess via Carleton Central. You can also view your CSAS Workshop attendance history at any time by logging into mySuccess.

In addition to the CSAS Learning Support Workshops hosted on campus, CSAS offers several online workshops. If you are interested in participating in an online workshop, you can enroll through the CSAS website: carleton.ca/csas. Please also remember to review the Incentive Program participation policies here: carleton.ca/csas/incentive-program/.

If you have any questions related to the Incentive Program or the Learning Support Workshops, please contact the Centre for Student Academic Support at csas@carleton.ca or 613-520-3822.

Online Quizzes:

Quizzes will be multiple choice tests that you will take online through CuLearn.

Each quiz must be taken at the specified time.

Each quiz has two times you can write it.

You may not communicate with anyone else during the quiz, you may not take screenshots, or in any other way record questions.

You may use your notes and the slides while writing the quiz, but you won't have much time, so please study.

The second one is at 5:30 in the morning, so everybody should be free at that time.

If you can't make either time, you will need a deferral, please contact me for deferrals. See below for deferral information.

You may not write both of the alternate times—you only get one attempt.

You will have about 36 minutes to complete each quiz. You have only one chance to answer each question. You may not go back and change a previous answer.

You may start anytime within the hour after the quiz opens, but no matter when you start, after that hour is up the quiz shuts down.

For example, if the quiz open time is 7pm, and you start at 7:45, you will be cut off at 8.

Each quiz will have about 30 questions.

A previous student made some online flashcards for this course:

<http://www.cram.com/flashcards/cognitive-science-7751881>

<http://www.cram.com/flashcards/cognitive-science-lectures-10-15-7829458>

Material covered will be anything in the slides, lectures (including guest lectures), or videos shown during lectures. The contents of the film *Memento* will not be on quizzes, though things I teach about it might be. The readings are there to help you understand the lecture material. So if something is in the readings but not in the lecture, you are not responsible for knowing about it.

Deferrals

For quizzes, there are two opportunities to write each quiz, and one is very early in the morning during a time in which everyone should be free. Set more than one alarm and have a friend call you if you plan to write this one, because I will not accept "I slept through my alarm" as an excuse. That being said, if you are busy during both times, you can request a deferral. Here is the procedure: Find the declaration in the folder marked Miscellaneous on CuLearn, print it out, fill it out, sign it, photograph/scan it, and email it to me. If the deferral is approved then you may write the exam at a later time. **YOU DO NOT NEED A DOCTOR'S NOTE.** Note that we keep these declarations on file to prevent abuse of the declaration system.

Reviewing Your Quizzes

I am happy to go over your quizzes with you. I recommend contacting me via email and we can set up a time to go over the quiz.

Thu, May 23	Psychology Morality	https://en.wikibooks.org/wiki/Cognitive_Science:_An_Introduction/A_Brief_History_of_Human_Evolution https://en.wikibooks.org/wiki/Cognitive_Science:_An_Introduction/What_is_evolution%3F https://en.wikibooks.org/wiki/Cognitive_Science:_An_Introduction/Moral_Thinking
Lecture 7: Tue, May 28	Quiz 2 Cognitive biases	http://en.wikipedia.org/wiki/List_of_cognitive_biases
Lecture 8: Thu, May 30	Dreaming Myths of cognitive science	https://en.wikibooks.org/wiki/Cognitive_Science:_An_Introduction/Dreaming http://health.usnews.com/health-news/family-health/articles/2009/10/13/5-common-pop-psych-myths https://en.wikibooks.org/wiki/Cognitive_Science:_An_Introduction/Myths_about_Cognition
Thu, May 30	Quiz 2 Alternate Time	5:30 am
Lecture 9: Tue, June 4	Religion Imagination	Pages 453—461 of Jesse Bering's "The Folk Psychology of Souls" 2006. Download it from the library.
Lecture 10: Thu, June 6	Consciousness Social Cognition and the evolution of intelligence	http://www.scholarpedia.org/article/Models_of_consciousness https://en.wikibooks.org/wiki/Cognitive_Science:_An_Introduction/What_Consciousness_Is https://www.youtube.com/watch?v=wfYbgdo8e-8&feature=youtu.be http://archives.evergreen.edu/webpages/curricular/2006-2007/languageofpolitics/files/languageofpolitics/Evol_Anthrop_6.pdf Olivier Pascalis, Jocelyne Bachevalier, Face recognition in primates: a cross-species study, Behavioural Processes, Volume 43, Issue 1, April 1998, Pages 87-96, ISSN 0376-6357, DOI: 10.1016/S0376-6357(97)00090-9. http://www.sciencedirect.com/science/article/pii/S0376635797000909 http://nautil.us/blog/why-are-you-so-smart-thank-your-mom--your-difficult-birth https://en.wikibooks.org/wiki/Cognitive_Science:_An_Introduction/Explanations_For_How_Humans_Got_So_Smart
Lecture 11: Tue, June 11	Quiz 3 Cogsci and the real world	Read: http://www.scholarpedia.org/article/False_memory http://en.wikipedia.org/wiki/Human%E2%80%93computer_interaction http://en.wikipedia.org/wiki/George_Lakoff#Political_significance_and_involvement http://en.wikipedia.org/wiki/Behavioral_economics (optional) http://en.wikipedia.org/wiki/Computer_chess
Thu, June 13	Quiz 3 alternate time	5:30am
Lecture 12: Thu, June 13	Cognitive Science, History, Present, and future Why Cognitive Science is the most important thing in the world	http://scienceblogs.com/pharyngula/2010/08/ray_kurzweil_does_not_understa.php http://boingboing.net/2011/07/14/far.html http://www.wired.com/wired/archive/8.04/joy.html http://en.wikipedia.org/wiki/Applications_of_artificial_intelligence
Tue, June 18	Quiz 4 Final Quiz	Covering all lectures During Class time
Thu, June 18	Quiz 4 (alternate time)	9am

Regulations and Information Common to all Cognitive Science Courses

In accordance with the Carleton University Undergraduate Calendar (p 34), the letter grades assigned in this course will have the following percentage equivalents:

A+ = 90-100	B+ = 77-79	C+ = 67-69	D+ = 57-59
A = 85-89	B = 73-76	C = 63-66	D = 53-56
A - = 80-84	B - = 70-72	C - = 60-62	D - = 50-52
F = Below 50			

Grades entered by Registrar:

WDN = Withdrawn from the course

DEF = Deferred

Academic Regulations, Accommodations, Etc.

University rules regarding registration, withdrawal, appealing marks, and most anything else you might need to know can be found on the university's website, here:

Pregnancy obligation

Write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details see the Student Guide

Religious obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details see the Student Guide

Academic Accommodations for Students with Disabilities: The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613 - 520 - 6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in - class scheduled test or exam requiring accommodation (if applicable). After requesting an accommodation from PMC, meet with me to ensure accommodations arrangements are made. Please consult the PMC website for the deadlines to request accommodations for the formally - scheduled exam (if applicable).

Plagiarism

The University Senate defines plagiarism as "presenting, whether intentionally or not, the ideas, expression of ideas or work of others as one's own." This can include: reproducing or paraphrasing portions of someone else's published or unpublished material, regardless of the source, and presenting these as one's own without proper citation or reference to the original source; submitting a take-home examination, essay, laboratory report or other assignment written, in whole or in part, by someone else; using ideas or direct, verbatim quotations, or paraphrased material, concepts, or ideas without appropriate acknowledgment in any academic assignment; using another's data or research findings; failing to acknowledge sources through the use of proper citations when using another's works and/or failing to use quotation marks; handing in "substantially the same piece of work for academic credit more than once without prior written permission of the course instructor in which the submission occurs."

Plagiarism is a serious offence that cannot be resolved directly by the course's instructor. The Associate Dean of the Faculty conducts a rigorous investigation, including an interview with the student, when an instructor

suspects a piece of work has been plagiarized. Penalties are not trivial. They can include a final grade of "F" for the course.

Important Information

- Students must always retain a hard copy of all work that is submitted.
 - All final grades are subject to the Dean's approval.
 - For us to respond to your emails, we need to see your full name, CU ID, and the email must be written from your valid CARLETON address. Therefore, in order to respond to your inquiries, please send all email from your Carleton CMail account. If you do not have or have yet to activate this account, you may wish to do so by visiting <http://carleton.ca/ccs/students/>
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For a list of dates and deadlines, including holidays and exam dates, please visit:

<https://carleton.ca/registrar/registration/dates-and-deadlines/>

ICS RESOURCES (613-520-2600, phone ext. 2522)

Department of Cognitive Science (2522)	2221 DT (Dunton Tower)
Registrar's Office (3500)	300 Tory
Student Academic and Career Development Services (7850)	302 Tory
Paul Menton Centre (6608)	501 University Centre
Writing Tutorial Service (1125)	4 th fl Library
Learning Support Services (1125)	4 th fl Library

Academic Advising

Visit the Cognitive Science Undergraduate Office, DT 2221 to discuss your program. Advisors can answer questions concerning:

- Course selection and meeting program requirements
- Your audit and transfer credits
- Gaining access to courses that are closed
- Information concerning prerequisites and preclusions
- Course equivalencies and substitutions
- Information about whether to pursue the (Honours Project Course) or the Thesis stream and CGPA requirements
- Community Practicum Course
- Concentrations
- Exchanges and course selection