

CGSC 1001 C and D: Winter 2024

Mysteries of the Mind Syllabus

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Basics

Course title: **Mysteries of the Mind**

CGSC 1001 C (CRN: 10896), **D** (CRN: 10895) (combined sections)

Dates of the course: **Winter 2024, January 9 to April 9**

The in-person section (C) will attend class in person. D is the online section.

Equivalent videos are on Brightspace for students in every section.

PAY ATTENTION TO QUIZ DUE DATES.

Location: Section C will meet Tuesday Thursday 1:05 - 2:25

Department: Department of Cognitive Science (22nd Floor Dunton Tower)

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

Dr. **Jim Davies**,

2211 Dunton Tower

Phone: 613-520-2600 x1109 (not recommended as the prof does not go into work every day)

Email: Please use the Brightspace discussion board for questions. If you do not want other students to see the question, contact the appropriate TA. If this will not (or does not) work, you may email the professor at jim.davies@carleton.ca

Office hours: by appointment; please use TA office hours for questions
 Discord Server: <https://discord.gg/fwgfNwzvcy>

Teaching Assistants

If you want to meet with a TA, please try to make it to any TA's office hours before you request a meeting time outside of their office hours.

(TA) names; office location, email addresses; and office hours: (to be announced)

Joshua Yanowitz JoshYanowitz@cmail.carleton.ca

Office Hour: 10 to 11 Thursdays, in person, location VSIM 5210S

In charge of quiz *technical* issues (don't email him if you miss a quiz)

Will review your quiz if your surname starts with A or B

Spencer Eckler SpencerEckler@cmail.carleton.ca

In charge of Discord

Office Hour Fridays 5pm on zoom <https://carleton-ca.zoom.us/my/chrisaglah>

Will review your quiz if your surname starts with C, D, E, F, G, H, I, J, or K.

Noah Chuipka NoahChuiyka@cmail.carleton.ca

Office Hour: Wednesdays 1 to 2 <https://carleton-ca.zoom.us/j/5818288187?pwd=ckNuK2hzK2xHSIBtVzA1RS8xakFOUT09>

Meeting ID: 581 828 8187 Passcode: 1002

Will review your quiz if your surname starts with L, M, N, O, P, Q, or R

Imola MacPhee ImolaMacphee@cmail.carleton.ca

In charge PMC accommodations, deferrals and missed work

Will review your quiz if your surname starts with S through Z

SONA (extra credit) issues will not be dealt with by the cognitive science undergraduate administrator, not the TAs. Instead contact Melissa Lett Melissa.Lett@carleton.ca

Brightspace (Learning Management System)

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

Brightspace will be used for marks: see brightspace.carleton.ca

You can download lecture slides, the current version of this syllabus, and other useful things from:
<http://www.jimdavies.org/classes>

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.

Carleton Media Space Basics

There are links to #video lectures on the class [Brightspace](#) page. You can follow along with the slides provided, see <http://www.jimdavies.org/classes/>

Information and Assistance

website: mediaspace.carleton.ca

Carleton Online Student Centre: D299 Loeb, 613-520-4055

Accessing Lectures

Lectures are recorded during the on-campus section of the class. CUOL course lectures can be accessed in the ways listed below.

IMPORTANT: Engineering students do not get credit for this as an elective! This is due to the forces of Engineering outside of the university.

Textbook

-- (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

You have to read one book over the course of the semester.

This semester that book is

Imagination: The Science of Your Mind's Greatest Power by Jim Davies

Available at the campus bookstore and as an e-book. If the print version is not available on time, you must buy a copy of the e-book.

- [Amazon \(Canada\)](#)
 - [Hardcover](#)
 - [Kindle ebook](#)

- [Audible.ca](#)
- **Barnes & Noble**
 - [Hardcover](#)
 - [Nook ebook](#)
 - [Audiobook on CD](#)
- **Chapters/Indigo**
 - [Hardcover](#)
 - [Kobo ebook](#)
- [iTunes ebook](#)

Evaluation, Marks, Grades

Your final grade will be based on quizzest.

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

Proportions of how marks contribute to your final course grade:

25%	quiz 1
25%	quiz 2
25%	quiz 3
25%	quiz 4 (final exam)

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

Extra credit

Extra credit is available in 0.5% units for each 30 minutes of participation, up to a maximum of 4% total, **by participating in a Department of Cognitive Science (DCS) experiment**. Participation in these activities is optional. For more information about how to participate in DCS experiments, go to the DCS sona website. <https://carleton-ics.sona-systems.com/>

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 a DCS course, and experiments participated in for DCS do not get

you credit for psychology courses. If you have questions about SONA, contact [Melissa Lett](mailto:MelissaLett@cunet.carleton.ca) at MelissaLett@cunet.carleton.ca

Quizzes and Final

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

Each quiz must be taken at the specified time.

Each quiz has two times you can write it. The final quiz will be formally scheduled.

You may not communicate with anyone else during the quiz, you may not use artificial intelligence to help you with the quiz (other than web searching), 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.

Generally, quizzes are Friday nights. That is when you should write the quiz, if possible. If you cannot make that time, you can opt to write it (generally) early the next Monday morning. But see the schedule ([What Happens When](#)) for specifics about when exactly these times are.

If you can't make either time, you will need a deferral, please contact the TA in charge of deferrals (see the first page for TA specializations). See below for deferral information.

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

Although you have a window in which you can write the quiz, 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 time allocated for the quiz.

Each quiz will have 30 questions.

Material covered will be content from the book, 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 google drive where the slides are, print it out, fill it out, sign it, photograph/scan it, and email it to the TA in charge of deferrals (see first page). Please do not CC the instructor. If the deferral is approved then you may write the exam at a later time. The TA will alert you as to when that will be. **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 would like you to first talk to a TA about your exam. There is a specific TA assigned based on the first letter of your last name. That TA will be happy to go over your exam with you during their scheduled office hours (as listed in the syllabus.) I recommend contacting them via email first to let them know you're coming so they don't step out for a sandwich or something. **TAs can go over your quiz with you over video chat if they can see your hands (behind your head, or visible on the desk, for example.) You are not allowed to take notes or record while doing this.**

IMPORTANT: the final exam is formally scheduled, and all deferral requests must go through the registrar (NOT the TA in charge of deferrals). Be sure to note the deferral deadline. <https://carleton.ca/registrar/deferral/>

What Happens When (Schedule)

Lectures will be on the dates specified for the in-class students. The online students can watch them anytime, but the dates listed are recommended for keeping up with the class.

Dates	LECTURE NAME	OPTIONAL READING
Jan 9, 2024	Lecture 1: Introduction to Class	CogSci Defined
Jan 11	2: Learning, Memory, Representation	Read Memory, Representation, and Learning chapters
Jan 16	3: Perception	Functionalism The Cognitive Level
Jan 18	4: The Fields of Cognitive Science	CogSci Defined
Jan 23	5: How Cognitive Science Can Help You Get Through School + Learning Disabilities	What is the best way to study? Install Anki Chapter in wikibook Student-made Anki deck
Jan 25	6: The Cognitive Level	Functionalism The Cognitive Level
Jan 30	7: Language and Communication	Linguistics
Feb 1	8: Control	https://nautil.us/this-is-how-your-brain-

		walks-the-doga-dialogue-238145/ Control podcast episode
Friday, Feb 2	Quiz 1, covering lectures up to and including The Cognitive Level and chapters 1 and 2 of <i>Imagination</i> book	Start anytime between 7pm and 8:30pm. You will have 36 minutes.
Monday, Feb 5	Quiz 1 (alternate time)	Start anytime between 6am and 7:30am
Feb 6	9: Development	The Secret of Self-Control
Feb 8	10: Morality	Moral Thinking
Feb 13	11: Evolution of Intelligence	Language of Politics How Humans Got So Smart
Feb 15	12: Biases	List of all known biases
Week of Feb 19-23	BREAK	No class
Feb 27	13: Myths of Cognitive Science	Common Psychology Myths Myths of CogSci Chapter
Feb 29	14: Religion	
Friday, March 1	Quiz 2, covering all lectures up to and including Cognitive Biases and chapters 3 - 5 of <i>Imagination</i> book	Start anytime between 7pm and 8:30pm. You will have 36 minutes.
Monday, Mar 4	Quiz 2 (alternate time)	Start anytime between 6am and 7:30am
Mar 5	Watch <i>Memento</i>	https://mediaspace.carleton.ca/media/Memento_2001_CGSC_1001_with_subtitle/0_eh25xnf0 For Jim: To play the video with subtitle, you need to download it to local computer then play it with VLC and turn on the subtitle. The subtitle is on track 1 (track 2 is chapter number).
Mar 7	Finish watching <i>Memento</i>	
Mar 12	15: Cognitive Science in Film	
Mar 14	16: Music	Perception of Music
Mar 19	17: Compellingness	

Mar 21	18: Evolutionary Psychology	Evolutionary Psychology Evolution Human Evolution
Friday, Mar 22	Quiz 3, covering all lectures up to and including Music and chapters 6 - 8 of <i>Imagination</i> book	Start anytime between 7pm and 8:30pm. You will have 36 minutes.
Monday, Mar 25	Quiz 3 Alternate time	Start between 6:00am and 7:30
Mar 26	19: Cognitive Science and the Real World	False Memory Human-Computer Interaction Politics and Analogy Behavioral Economics
Mar 28	20: Dreaming	Dreaming Chapter https://mindingthebrainpodcast.com/2021/01/01/36-dreams/
Apr 2	21: Consciousness	Consciousness Essay Consciousness Chapter Consciousness Video
Apr 4	22: Time	https://mindingthebrainpodcast.com/2023/02/01/59-time/ https://mindingthebrainpodcast.com/2019/09/01/20-morning-people-night-people/
Apr 9	23: Generative Artificial Intelligence	
Final exam: time TBA. You have 36 minutes to write it.	Final Exam (AKA quiz 4; same length and format of other quizzes, formally scheduled) including all lectures and chapters 9 - 11 of <i>Imagination</i> book	IMPORTANT: the final exam is formally scheduled, and all deferral requests must go through the registrar (NOT the TA in charge of deferrals). Be sure to note the deferral deadline. https://carleton.ca/registrar/deferral/

The academic withdrawal deadline is **March 15th 2024**

Prejudice Experiences

If you have experienced prejudice and want to report it or just talk to someone, please contact the Department of Equity and Inclusive Communities (EIC).

<https://carleton.ca/equity/>

Regulations and Information Common to all Courses

PLAGIARISM

The University Academic Integrity Policy defines plagiarism as “presenting, whether intentionally or not, the ideas, expression of ideas or work of others as one’s own.” This includes 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. Examples of sources from which the ideas, expressions of ideas or works of others may be drawn from include but are not limited to: books, articles, papers, literary compositions and phrases, performance compositions, chemical compounds, artworks, laboratory reports, research results, calculations and the results of calculations, diagrams, constructions, computer reports, computer code/software, material on the internet and/or conversations.

Examples of plagiarism include, but are not limited to:

- any submission prepared in whole or in part, by someone else, including the unauthorized use of generative AI tools (e.g., ChatGPT);
- using ideas or direct, verbatim quotations, paraphrased material, algorithms, formulae, scientific or mathematical concepts, or ideas without appropriate acknowledgment in any academic assignment;
- using another’s data or research findings without appropriate acknowledgement;
- submitting a computer program developed in whole or in part by someone else, with or without modifications, as one’s own; and
- failing to acknowledge sources through the use of proper citations when using another’s work and/or failing to use quotations marks.

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.

Statement on Student Mental Health

As a University student you may experience a range of mental health challenges that significantly impact your academic success and overall well-being. If you need help, please speak to someone. There are numerous resources available both on- and off-campus to support you. Here is a list that may be helpful:

Emergency Resources (on and off campus): <https://carleton.ca/health/emergencies-and-crisis/emergency-numbers/>

Carleton Resources:

- Mental Health and Wellbeing: <https://carleton.ca/wellness/>
- Health & Counselling Services: <https://carleton.ca/health/>
- Paul Menton Centre: <https://carleton.ca/pmc/>
- Academic Advising Centre (AAC): <https://carleton.ca/academicadvising/>
- Centre for Student Academic Support (CSAS): <https://carleton.ca/csas/>
- Equity & Inclusivity Communities: <https://carleton.ca/equity/>

Off Campus Resources:

- Distress Centre of Ottawa and Region: (613) 238-3311 or TEXT: 343-306-5550, <https://www.dcottawa.on.ca/>
- Mental Health Crisis Service: (613) 722-6914, 1-866-996-0991, <http://www.crisisline.ca/>
- Empower Me: 1-844-741-6389, <https://students.carleton.ca/services/empower-me-counselling-services/>
- Good2Talk: 1-866-925-5454, <https://good2talk.ca/>
- The Walk-In Counselling Clinic: <https://walkincounselling.com>

Requests for Academic Accommodations

ACADEMIC ACCOMMODATION

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

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 accommodation regarding a formally-scheduled final exam, you must complete the Pregnancy Accommodation Form ([click here](#)).

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 [click here](#).

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, please request your accommodations

for this course through the [Ventus Student Portal](#) 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*). Requests made within two weeks will be reviewed on a case-by-case basis. For final exams, the deadlines to request accommodations are published in the [University Academic Calendars](#). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (if applicable).

Survivors of Sexual Violence

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and where survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: <https://carleton.ca/equity/sexual-assault-support-services>

Accommodation for Student Activities

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation will be provided to students who compete or perform at the national or international level. 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. <https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

Important Information

- Students must always retain a hard copy of all work that is submitted.
- Standing in a course is determined by the course instructor subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision. No grades are final until they have been approved by the Dean
- 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/>
- November 23, 2023: Last day for academic withdrawal from full fall and late fall classes
- March 15, 2024: Last day for academic withdrawal from full winter, late winter and fall/winter courses.

For a list of dates and deadlines, including holidays and exam dates, please visit:

<https://calendar.carleton.ca/academicyear/>