

# CGSC 2001C: Theories in Cognitive Science

## Course Outline

### Winter 2022

#### Class Information

Dates: Jan 10, 2021 – Apr 12, 2022

Location: On-Line

Lecture time: A-Synchronous lecture delivery through the course page (1 set of lectures posted once per week – depending on when they are ready they will be posted sometime between Monday and Friday)

Scheduled class time: Tuesday/Thursday 8:35 to 9:55 am

Prerequisite(s): second-year standing and FYSM 1607 or CGCS 1001, or permission of the Department.

#### Instructor Information

Instructor: Robert West

Office: DT2209

E-mail: robertwest@cunet.carleton.ca

Office Hours: By appointment

#### Course Description

This course will explore how Cognitive Science, as a discipline, understands the mind and the brain, how this relates to different areas of research, and the various questions and controversies associated with it.

#### Readings

No textbook. – Assigned content will be free online resources only

#### Evaluation

There will be two online, open book, midterm exams and a final online, open book exam. Since there is no textbook, open book refers to notes from the lectures. An outline of all the lecture contents will be made available with each lecture.

Evaluation	Weight of Grade
Mid-term exam - February 3	33%
Mid-term exam - March 10	33%
Final exam - TBA	34%

- All materials from the lectures are examinable
- All exams are multiple choice – Please note that the questions are designed to test understanding of the course material and not just memorization
- Exams are not cumulative

## **The topics covered**

- Cognition
  - Life
  - Consciousness
  - System levels
  - Computation
  - Midterm (February 3)
- Evolution and Cognition
  - Evolution
  - Cultural evolution
  - IQ and evolution
  - Hierarchy and evolution
  - Midterm (March 10)
- Human nature
  - Philosophical issues
  - Problem solving
  - Cognitive Behavioral Therapy
  - Critical Theory
  - Final (To be announced)

**\*This schedule is to be regarded as tentative**

## **Additional Information**

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

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

### **Pregnancy obligation**

Please contact your instructor 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, visit the Equity Services website: [carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](http://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

### **Religious obligation**

Please contact your instructor 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, visit the Equity Services website: [carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](https://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

### **Academic Accommodations for Students with Disabilities**

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or [pmc@carleton.ca](mailto:pmc@carleton.ca) for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. [carleton.ca/pmc](https://carleton.ca/pmc)

### **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 is 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: [carleton.ca/sexual-violence-support](https://carleton.ca/sexual-violence-support)

### **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 must be provided to students who compete or perform at the national or international level. Please contact your instructor 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>  
For more information on academic accommodation, please contact the departmental administrator or visit: [students.carleton.ca/course-outline](https://students.carleton.ca/course-outline)

### **Copyright policy**

Student or professor materials created for this course (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the author(s). They are intended for personal use and may not be reproduced or redistributed without prior written consent of the author(s). The PowerPoint presentations, lecture videos, lectures notes, and other materials available to you on Brightspace may not be distributed online.

### **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 <https://carleton.ca/its/>.

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

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

## **Additional COVID Information**

All members of the Carleton community are required to follow COVID-19 prevention measures and all mandatory public health requirements (e.g. wearing a mask, physical distancing, hand hygiene, respiratory and cough etiquette) and [mandatory self-screening](#) prior to coming to campus daily.

If you feel ill or exhibit COVID-19 symptoms while on campus or in class, please leave campus immediately, self-isolate, and complete the mandatory [symptom reporting tool](#). For purposes of contact tracing, attendance will be recorded in all classes and labs. Participants can check in using posted QR codes through the cuScreen platform where provided. Students who do not have a smartphone will be required to complete a paper process as indicated on the [COVID-19 website](#).

All members of the Carleton community are required to follow guidelines regarding safe movement and seating on campus (e.g. directional arrows, designated entrances and exits, designated seats that maintain physical distancing). In order to avoid congestion, allow all previous occupants to fully vacate a classroom before entering. No food or drinks are permitted in any classrooms or labs.

For the most recent information about Carleton's COVID-19 response and required measures, please see the [University's COVID-19 webpage](#) and review the [Frequently Asked Questions \(FAQs\)](#). Should you have additional questions after reviewing, please contact [covidinfo@carleton.ca](mailto:covidinfo@carleton.ca)

Please note that failure to comply with University policies and mandatory public health requirements, and endangering the safety of others are considered misconduct under the [Student Rights and Responsibilities Policy](#). Failure to comply with Carleton's COVID-19 procedures may lead to supplementary action involving Campus Safety and/or Student Affairs.