

# CGSC 2201 B: Theories in Cognitive Science Course Outline

## Fall 2024

Course prerequisites: second-year standing and FYSM1607 or CGSC1001

### Instructor Information

Instructor: Lara Russo

E-mail: [lararusso@cunet.carleton.ca](mailto:lararusso@cunet.carleton.ca)

Office Hours: by appointment

### TA Information

TA: TBD

E-mail:

### Course Description

This course offers a comprehensive introduction to Cognitive Science, starting with a historical overview from the 1940s onward. It explores the evolution of the discipline and analyzes how it has integrated the collective knowledge from its contributing fields, including psychology, philosophy, linguistics, artificial intelligence, and neuroscience.

### Readings

Articles and other course materials: accessed via Google Scholar and Carleton's Library Portal.

### Disclaimer

I reserve the right to change the readings or topics assigned. Changes will not add substantial workload.

### Evaluation

#### *Participation*

**Value:** 10%

**Description:** Students are expected to be seated before the start of class to ensure prompt attendance. To maintain a distraction-free environment, cell phones must remain out of sight and below desk level during class. Any visible cell phones will be considered disruptive and will result in the loss of an attendance mark.

**Quiz** (2 Quizzes x 30% each)

**Value:** 30%

**Description:** You will engage the course material by completing the assignments. If you miss your assignments by the due date, you will need to submit a verified documentation. The quizzes will be in-class, they will be in multiple choice, T/F, short answer format.

**In Class Final Exam**

**Value:** 30%

**Description:** The format will be similar to the quizzes. It will be accumulated and will include more short answer questions.

**Late Policy:**

Late assignments will be penalized at a rate of 10% of the assignment value per day or part day. In the interest of being fair to all students, there will be no grace period. Therefore, a document submitted 1 minute after the deadline will be considered late. Therefore, it is strongly recommended that you upload and submit the document prior to the last few minutes before the deadline. A doctor's note or other medical documentation must be provided within two working days after the due date in order to avoid late penalties. In order to be considered official, all extensions must be obtained in writing from the instructor. If you are running into trouble, it is vital to approach me as soon as possible

<b>DATE</b>	<b>LECTURE</b>
<b>Week 1</b> (Sept. 5)	Overview of the course and introduction
<b>Week 2</b> (Sept. 10, 12)	History and evolution of cognitive science theories
<b>Week 3</b> (Sept. 17, 19)	Perception
<b>Week 4</b> (Sept. 24, 26)	Attention
<b>Week 5</b> (Oct. 1, 3)	Memory
<b>Oct 3</b>	Quiz 1
<b>Week 6</b> (Oct. 8, 10)	Language
<b>Week 7</b> (Oct. 15, 17)	Problem Solving and Decision Making
<b>Week 8</b> (Oct. 22, 24)	Fall Break
<b>Week 9</b> (Oct. 29, 31)	Learning and Development
<b>Week 10</b> (Nov. 5, 7)	Cognitive Neuroscience
<b>Nov. 5</b>	Quiz 2
<b>Week 11</b> (Nov. 12, 14)	Artificial Intelligence
<b>Week 12</b> (Nov. 19, 21)	Emotions and Cognition
<b>Week 13</b> (Nov. 26, 28)	Social Cognition
<b>Week 14</b> (Dec. 3, 5)	Review
<b>Dec. 5</b>	In Class Final

### 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	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

### 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](mailto: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/>
- September 30, 2024: Last day for academic withdrawal from full fall and late fall classes

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

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