

Cognitive Science (CGSC)

Cognitive Science (CGSC) Courses

CGSC 5001 [0.5 credit]

Cognition and Artificial Cognitive Systems

An introduction to the contribution of artificial intelligence and computer modeling of cognitive processes to cognitive science.

CGSC 5002 [0.5 credit]

Experimental Research in Cognition

An introduction to the contribution of experimental psychology and neuroscience to cognitive science.

CGSC 5003 [0.5 credit]

Cognition and Language

An introduction to the contribution of theoretical linguistics and linguistic research to cognitive science.

CGSC 5004 [0.5 credit]

Cognition and Conceptual Issues

An introduction to the contribution of philosophy of mind, philosophy of language, and other conceptual investigations to cognitive science.

CGSC 5005 [0.5 credit]

Cognition and Neuroscience

An introduction to the contribution of neuroscience to cognitive science.

CGSC 5100 [0.5 credit]

Issues in Cognitive Science

A survey of the central problems and issues of cognitive research to start the process of acquiring the interdisciplinary breadth required to understand research in cognitive science.

CGSC 5101 [0.5 credit]

Experimental Methods and Statistics

An introduction to the design of experiments and the statistics needed to interpret data in cognitive science.

CGSC 5102 [0.5 credit]

Computational Methods

An introduction to the basic computational skills necessary for cognitive science research.

CGSC 5303 [0.5 credit]

Linguistic Analysis, Culture and Cognition

Universals of language from a cross-cultural perspective. Study of lesser-known languages leading to critical understanding of universal human concepts and communication practices in culture-specific configurations. Cross-linguistic analysis as a means to general understanding of diversity and universality in human cognition.

CGSC 5901 [0.5 credit]

Special Topics in Cognitive Science

Seminar on current, important issues related to Cognition and Neuroscience, Philosophy, Computer Science, Linguistics and/or Psychology. Topics will vary from year to year.

CGSC 5907 [0.5 credit]

Independent Research

Permission to register and approval of research plan must be obtained from the graduate supervisor. A final research report must be filed in the departmental office prior to submission of course grade. The course may be repeated for credit.

CGSC 5908 [1.0 credit]

Research Project

Students may enroll in multiple sections of this course (as necessary) to complete their Research credits.

CGSC 5909 [2.5 credits]

M. Cog. Thesis

CGSC 6001 [0.5 credit]

Theory and Methods of Cognitive Science

Introduction to the main epistemological issues in cognitive science and to the diverse methods that researchers use to study cognition.

CGSC 6002 [0.5 credit]

Methodology Rotation I

Students spend one term in a laboratory or other research venue using a method for studying cognition (behavioural, linguistic-theoretic, computational, conceptual, neuroscientific). Assignments will be as specified by each rotation supervisor.

CGSC 6003 [0.5 credit]

Methodology Rotation II

Students spend one term in a laboratory or other research venue using a different method for studying cognition (behavioural, linguistic-theoretic, computational, conceptual, neuroscientific). Assignments will be as specified by each rotation supervisor.

CGSC 6004 [0.5 credit]

Cognitive Modelling for Cognitive Science

Introduction to the field of cognitive modelling. Different modelling systems and how to evaluate them against human data; how to create cognitive models using the ACT-R cognitive architecture. Lectures three hours per week.

CGSC 6501 [1.0 credit]

Special Topics in Cognitive Science

Seminar course on a topic of interest to students in Cognitive Science. Topics will vary from year to year. Lectures three hours per week.

CGSC 6801 [0.5 credit]**Proseminar in Cognitive Science**

A survey of the central problems and issues of natural and artificial cognition and a brief examination of contemporary neuroscience. Compulsory in the first year of registration. Precludes additional credit in CGSC 6801 [1.0] credit no longer offered.

CGSC 6901 [0.5 credit]**Directed Studies in Cognitive Science I****CGSC 6902 [0.5 credit]****Directed Studies in Cognitive Science II****CGSC 6909 [9.0 credits]****Ph.D. Thesis**

Summer session: some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at central.carleton.ca

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at central.carleton.ca