**COGNITIVE SCIENCE**

**College of Letters & Science**

David Corina, Ph.D., Program Director

**Program Office**


**Advising**

Staff advisors are located in Young Hall; cogsciadvising@ucdavis.edu. For more information on how to make an appointment or join Drop-In Advising, see Yellow Cluster Undergraduate Advising Center (https://yellowcluster.ucdavis.edu/advising/undergraduate/).


**Cognitive Science (CGS)**

**CGS 001 — Introduction to Cognitive Science (4 units)**

*Course Description:* Introduction to the interdisciplinary cognitive scientific approach to the study of mind, drawing concepts and methods from psychology, philosophy, linguistics, artificial intelligence, and other disciplines.

*Enrollment Restriction(s):* Open to all students.

*Cross Listing:* PHI 010.

*Grade Mode:* Letter.

*General Education:* Science & Engineering (SE); Scientific Literacy (SL).

**CGS 098 — Directed Group Study (0.5-5 units)**

*Course Description:* Directed group study in cognitive science.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Variable 0-15 hour(s).

*Repeat Credit:* May be repeated when topic differs.

*Grade Mode:* Pass/No Pass only.

**CGS 099 — Special Study for Lower Division Students (1-5 units)**

*Course Description:* Special study for lower division students.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Variable 3-15 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Pass/No Pass only.

**CGS 107 — Neuroeconomics/Reinforcement Learning & Decision Making (4 units)**

*Course Description:* Theoretical and empirical approaches to neuroeconomics (neuroscience of decision making) from psychology, neuroscience, economics, and computer science. Neuroscience of judgment and decision making, behavioral economics, and reinforcement learning.

*Prerequisite(s):* (PSC 100 or PSC 100Y or PSC 135 or ECN 100A or ARE 100A or NPB 162 or NPB 163); (STA 013 or STA 013Y or STA 100 or PSC 103A); or consent of instructor.

*Learning Activities:* Lecture 3 hour(s), Term Paper.

*Cross Listing:* ECN 107, PSC 133.

*Grade Mode:* Letter.

*General Education:* Social Sciences (SS); Scientific Literacy (SL).

**CGS 138 — Consciousness & Cognition (4 units)**

*Course Description:* Current theoretical and empirical evidence in the study of cognition and consciousness. Theories of consciousness, psychological and neural basis of conscious and unconscious processes such as attention, intentionality, and dreams.

*Prerequisite(s):* (PSC 001 or PSC 001Y); PSC 041; (PSC 100 or PSC 100Y or PSC 135).

*Learning Activities:* Lecture 4 hour(s).

*Cross Listing:* PSC 138.

*Grade Mode:* Letter.

**CGS 192 — Fieldwork in Cognitive Science (1-5 units)**

*Course Description:* Supervised internship off and on campus, in community and institutional settings.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Fieldwork 3-15 hour(s).

*Repeat Credit:* May be repeated 12 unit(s).

*Grade Mode:* Pass/No Pass only.

**CGS 194HA — Special Study for Honors Students (3 units)**

*Course Description:* Directed research. Supervised reading, research and writing leading to submission of a Senior Honors thesis under the direction of faculty sponsor.

*Prerequisite(s):* Consent of instructor. Senior standing in Cognitive Science; qualifications for admission into college honors program.

*Learning Activities:* Independent Study 9 hour(s).

*Grade Mode:* Letter.

**CGS 194HB — Special Study for Honors Students (3 units)**

*Course Description:* Directed research. Supervised reading, research and writing leading to submission of a Senior Honors thesis under the direction of faculty sponsor.

*Prerequisite(s):* Consent of instructor. Senior standing in Cognitive Science; qualifications for admission into college honors program.

*Learning Activities:* Independent Study 9 hour(s).

*Grade Mode:* Letter.

**CGS 198 — Directed Group Study (0.5-5 units)**

*Course Description:* Directed group study in cognitive science.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Variable 1-15 hour(s).

*Repeat Credit:* May be repeated when topic differs.

*Grade Mode:* Pass/No Pass only.
CGS 199 — Special Study for Advanced Undergraduates (1-5 units)

Course Description: Special study for advanced undergraduates.
Prerequisite(s): Consent of instructor.
Learning Activities: Variable.
Repeat Credit: May be repeated.
Grade Mode: Pass/No Pass only.