COGNITIVE SCIENCE (CGS)

College of Letters & Science

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.
Learning Activities: Lecture/Discussion 4 hour(s).
Enrollment Restriction(s): Pass One open to Cognitive Science majors only.
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 1-15 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 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.