How do minds work? This course surveys a wide range of answers to this question from disciplines ranging from philosophy to neuroscience. The course devotes special attention to the use of simple computational and mathematical models. Topics include perception, learning, memory, decision making, emotion and consciousness. The course shows how the different views from the parent disciplines interact and identifies some common themes among the theories that have been proposed. The course pays particular attention to the distinctive role of computation in such theories and provides an introduction to some of the main directions of current research in the field. It is a requirement for the BA in Cognitive Science, the BAS in Computer and Cognitive Science, and the minor in Cognitive Science, and it is recommended for students taking the dual degree in Computer and Cognitive Science.

Course usually offered in fall term

Also Offered As: CIS 140, LING 105, PHIL 044, PSYC 207

Activity: Lecture
1.0 Course Unit

Notes: This counts as a Formal Reasoning course for College students.

COGS 298 Study Abroad
Activity: Lecture
1.0 Course Unit

COGS 301 Independent Study
One-term course offered either term
Activity: Independent Study
1.0 Course Unit

COGS 398 Senior Thesis
This course is a directed study intended for cognitive science majors who have been admitted to the cognitive science honors program. Upon admission into the program, students may register for this course under the direction of their thesis supervisor.
One-term course offered either term
Activity: Independent Study
1.0 Course Unit