Spring 2013 Courses for Cognitive Science Majors

The following courses will be offered Spring 2013 and meet course requirements for the Cognitive Science major.

Math
For Option A (“Any Two of the Following”)
- AS.050.370 Formal Methods in Cognitive Science: Language
- AS.110.106 Calculus I
- AS.110.107 Calculus II (for biological and social science)
- AS.110.109 Calculus II (for physical sciences and engineering)
- AS.110.201 Linear Algebra
- AS.150.118 Introduction to Formal Logic
- EN 550.171 Discrete Mathematics
- EN 550.211 Probability and Statistics for the Life Sciences
- EN 550.291 Lin Alg & Diff Equation

For Option B (Statistics Sequence)
- EN.550.111 Statistical Analysis I
- EN.550.112 Statistical Analysis II

Courses by Focal Area
Area A: Cognitive Psychology & Cognitive Neuropsychology
- AS.050.312 Cognitive Neuroimaging Methods in High-Level Vision
- AS.050.339 Cognitive Development
- AS.200.101 Intro to Psychology
- AS.200.110 Introduction to Cognitive Psychology
- AS.200.211 Sensation and Perception

Area B: Linguistics
- AS.050.102 Language and Mind
- AS.050.320 Syntax I
- AS.050.370 Formal Methods in Cognitive Science: Language

Area C: Computational Approaches to Cognition
- AS.050.109 Minds, Brains, and Computers
- AS.050.370 Formal Methods in Cognitive Science: Language
• EN.600.107 Intro Programming in Java
• EN.600.108 Intro Programming Lab (1 credit)
• EN.600.120 Intermediate Programming
• EN.600.226 Data Structures
• EN.600.271 Automata & Computation Theory
• EN.600.335 Artificial Intelligence
• EN.600.363 Introduction to Algorithms

Area D: Philosophy of Mind
• AS.150.245 Intro to Philosophy of Mind
• AS.150.476 Philosophy & Cognitive Science

Area E: Neuroscience
• AS.050.203 Cognitive Neuroscience
• AS.080.105 Introduction to Neuroscience
• AS.080.306 Nervous System II
• AS.050.312 Cognitive Neuroimaging Methods in High-Level Vision
• AS.080.320 The Auditory System
• AS.080.330 Brain Injury & Recovery
• AS.200.141 Foundations of Brain, Behavior and Cognition
• AS.200.304 Neuroscience of Decision Making
• AS.200.368 Altered States of Consciousness

Note
AS.050.446 Integrative Research Methods in Cognitive Science
This course can be counted under the requirement of nine additional credits at the 300-600 level in any focal area.

Also of Interest
080.318 Practicum in Language Disorders (2 credits). This course provides the opportunity to learn about adult aphasias; language disorders which are one of the most common consequences of stroke. You will receive training in Supportive Communication Techniques and work as a communication partner with an individual with aphasia for two hours per week. Three class meetings for orientation and reading assignments will be held on campus; training and practicum will be conducted at a local aphasia support center. Transportation required. Instructor's approval required to register.