Fall 2011 Courses for Cognitive Science Majors

Courses for ‘Math’ Requirement

For Option A (“Any Two of the Following”)
110.106 Calculus I
110.107 Calculus II
110.108 Calculus I
110.109 Calculus II
110.202 Calculus III
110.201 Linear Algebra
150.218 Introduction to Symbolic Logic
550.171 Discrete Mathematics
550.291 Linear Algebra & Differential Equations

For Option B (Statistics Sequence)
550.111 Statistical Analysis I (required if Area A is a focal area)
550.112 Statistical Analysis II (required if Area A is a focal area)
200.207 Lab in Analysis of Psychological Data (required if Area A is a focal area)

Courses by Focal Area

Area A: Cognitive Psychology & Cognitive Neuropsychology
050.105 Intro to Cognitive Neuropsychology
050.204 Visual Cognition
050.311 The Literate Mind and Brain
050.333 Psycholinguistics
200.101 Intro to Psychology
200.132 Intro to Developmental Psychology
200.316 Thought and Perception

Area B: Linguistics
050.311 The Literate Mind and Brain
050.317 Semantics I
050.321 Syntax II
050.333 Psycholinguistics

Area C: Computational Approaches to Cognition
050.372 Formal Methods in Cognitive Science: Neural Networks
600.107 Intro Programming Java
600.111 Python Scripting
600.120 Intermediate Programming
600.226 Data Structures
600.306 Introduction to Speech
600.361 Computer Vision
**Area D: Philosophy of Mind**
150.245 Introduction to Philosophy of Mind
150.476 Philosophy and Cognitive Science

**Area E: Neuroscience**
050.105 Intro to Cognitive Neuropsychology
050.311 The Literate Mind and Brain
050.204 Visual Cognition
080.105 Introduction to Neuroscience
080.250 Neuroscience Lab
080.305 Nervous System I
080.330 Brain Injury & Recovery
080.345 Great Discoveries in Neuroscience
080.355 Visual System
080.360 Diseases & Disorders of the Nervous System
200.141 Physiological Psychology
200.308 Neurobiology of Learning and Memory
200.310 Neural Basis of Cognitive Control

**Also of Interest**
080.318 Practicum in Language Disorders (1 credit). 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.