Spring 2012 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
- 110.109 Calculus II
- 110.201 Linear Algebra
- 110.202 Calculus III
- 150.118 Introduction to Formal Logic
- 550.171 Discrete Mathematics
- 550.211 Probability and Statistics for the Life Sciences
- 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)

Courses by Focal Area

Cognitive Psychology & Cognitive Neuropsychology
- 050.203 Cognitive Neuroscience
- 050.206 Bilingualism
- 050.339 Cognitive Development
- 200.110 Introduction to Cognitive Psychology

Linguistics
- 050.107 Language and Advertising
- 050.206 Bilingualism
- 050.240 World of Language
- 050.325 Phonology I
- 050.320 Syntax I

Computational Approaches to Cognition
- 050.326 Foundations in Cognitive Science
- 050.335 Introduction to Connectionist Modeling of Cognition
- 250.205 Introduction to Computing
- 520.415 Image Process & Analysis II
- 550.426 Introduction to Stochastic Processes
- 600.103 Fundamentals of Practical Computing
- 600.107 Intro Programming Java
- 600.120 Intermediate Programming
- 600.226 Data Structures
600.271 Automata and Computation Theory
600.335 Artificial Intelligence
600.363 Introduction to Algorithms

Philosophy of Mind
050.326 Foundations in Cognitive Science
200.336 Foundations of Mind

Neuroscience
050.203 Cognitive Neuroscience
050.332 Developmental Cognitive Neuroscience
080.250 Neuroscience Lab
080.306 Nervous System II
080.308 Neuroeconomics
200.304 Neuroscience of Decision Making
200.368 Altered States of Consciousness
200.370 Functional Human Neuroanatomy
200.376 Psychopharmacology

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.