2013 Fall Course Offerings
Cognitive Science
Director: Professor Pádraig G. (Pat) O'Séaghdha

PSYC, COGS 090  Exploring the Brain, CRN 46346 (4 credits) [SS]  M/W, 2:35 - 3:50 PM  Dean Permission Required
Professor Arrington

PSYC, COGS 117- 10  Cognitive Psychology, CRN 45655 (4 credits) [SS]  T/TH, 2:35 - 3:50
The architecture and dynamics of the human mind: How we acquire knowledge through perception, represent and activate it in memory, and use it to communicate, make decisions, solve problems, and reason creatively. Prerequisite: PSYC 1 or COGS 7. May not be taken pass/fail.
Professor Hupbach

COGS, MLL, ANTH 140- Introduction to Linguistics, CRN 48624 (4 credits) [SS]  W/F, 11:10 - 12:25
Relationship between language and mind; formal properties of language; language and society; how languages change over time. May not be taken pass/fail. Professor Lee

COGS 161-10 Supervised Research, CRN 40813 (2-4 credits) [ND]
Research under the direct supervision of a faculty member in the cognitive science program. Students must arrange the particular project with a faculty member before enrolling. Prerequisite: consent of the program director.

COGS 301-10 Senior Project in Cognitive Science: Proposal, CRN 47470 (3 credits)
Senior year integration of the material from cognitive science begins with the proposal of a substantial review or research project spanning at least two cognitive science disciplines under the direction of a Cognitive Science faculty member. Prerequisite: consent of program director.

COGS 361-10 Independent Research, CRN 40812 (2-4 credits)
Independent research in cognitive science with a faculty advisor. Students must arrange the particular project with a faculty advisor before enrolling. Prerequisite: consent of the program director.

COGS 399- Senior Project in Cognitive Science: Thesis, CRN 48157 (3 credits)
Research during senior year culminating in senior thesis advised by a member of the Cognitive Science faculty. Execution and written report of project proposed and approved in COGS 301. Theses submitted for honors will be evaluated by a committee of at least three cognitive science faculty. Prerequisite: COGS 301 and consent of the program director.

COGS 405-10 Individual Study in Cognitive Science, CRN 47471 (1-6 credits)
Study of a topic not covered in regular course offerings. By arrangement with a consulting faculty member. May be repeated for credit. Prerequisite: Consent of the program director.

Undergraduate Collateral Requirements

CSE 001  Breadth of Computing............................................................... T/R 7:55 AM to 9:10 AM
(CRN 48342)

CSE 002-10 Fundamentals of Programming............................................. M/W 10:10 to 11:00 AM & F 9:10 to 10:00 AM
(CRN 48343)

CSE 002-11 Fundamentals of Programming............................................. M/W/F 10:10 to 11:00 AM
(CRN 48344)

MATH 21 Calculus I .................................................................................. Offered various days and times
(CRN varies by section)

MATH 51 Survey of Calculus I................................................................. Offered various days and times
(CRN varies by section)
Artificial Intelligence and Formal Models:
CSE 17  Structured Programming & Data Structures (prereq: CSE 001 & CSE 002) M/W/F 10:10 AM to 11:00 AM (CRN 41495)

CSE 42  Principles of Computer Game Design M/W/F 9:00 AM to 10:00 AM (CRN 48813)

CSE 261 (CRN 41610) Discrete Structures (prereq: MATH 21) M/W/F 3:10 PM to 4:00 PM (CRN 40384)

CSE 262 Programming Languages (prereq: CSE 17 or CSE 18) T/R 9:20 AM to 10:35 AM (CRN 41621)

CSE 318 Automata and Formal Grammars (prereq: CSE 261 or MATH 243) M/W/F 11:10 AM to 12:00 PM (CRN 43186)

CSE 326 Pattern Recognition T/R 10:45 AM to 12:00 PM (CRN 48158)

CSE 335 Topics in Intelligent Decision Support M/W/F 1:10 PM to 2:00 PM (CRN 48159)

CSE 431 Intelligent Agents (for undergraduate students who qualify) T/R 10:45 AM – 12:00 PM (CRN 48817)

MATH 303 (CRN 46313) Mathematical Logic (Department permission required) W 1:10 PM to 4:00 PM (CRN 46315)

MATH 304 (CRN 48545) Axiomatic Set Theory MWF 10:10 AM to 11:00 AM (CRN 48761)

Language, Culture & Meaning:
PHIL 197 (new course) Philosophy of Psychology M 1:10 PM to 4:00 PM (CRN 48753)

PSYCH 307 Higher Order Cognition T/R 10:45 AM to 12:00 PM (CRN 48737)

Cognition and Neuroscience:
BIOS 276 Central Nervous System and Behavior (prereq: BIOS 120) T/R 7:55 AM to 9:10 AM (CRN 46638)

BIOS 277 Experimental Neuroscience Lab (prereq: BIOS 276) T 9:20 AM to 12:10 PM (CRN 44239 or 44240)

BIOS 366 Diseases of the Nervous System W 1:10 PM to 4:00 PM (CRN 47808)

BIOS 382 Endocrinology of Behavior T/R 1:10 PM to 2:25 PM (CRN 40043)

Graduate Minor and Graduate Certificate Electives

Computer Science:
CSE 431 Intelligent Agents T/R 10:45 AM to 12:00 PM (CRN 48817)

Psychology:
PSYC 406 Social Cognition (Department permission required) W 4:10 PM to 7:00 PM (CRN 48741)

Additional Graduate Certificate Electives

Psychology:
PSYCH 307 Higher Order Cognition T/R 10:45 AM to 12:00 PM (CRN 48737)