COGNITIVE SCIENCES (CSCI)

CSCI 102 - QUANTITATIVE ANALYSIS FOR SOCIAL SCIENCES: COGNITIVE SCIENCES LAB
Short Title: COGSCI STATISTICS LAB
Department: Cognitive Sciences
Grade Mode: Standard Letter
Course Type: Laboratory
Credit Hours: 0
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Lower-Level
Description: This lab companion course to SOSC 302: Quantitative Analysis for the Social Sciences involves cognitive science-specific applications of statistical analysis. The lab focuses on the use of software to analyze data from research in the cognitive sciences. Students who enroll in this lab section must also enroll in SOSC 302 during the same semester.

CSCI 238 - SPECIAL TOPICS
Short Title: SPECIAL TOPICS
Department: Cognitive Sciences
Grade Mode: Standard Letter
Course Type: Internship/Practicum, Laboratory, Lecture, Seminar, Independent Study
Credit Hours: 1-4
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Lower-Level
Description: Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.

CSCI 240 - MINDS, BRAINS, AND COMPUTERS: FOUNDATIONS OF COGNITIVE SCIENCE
Short Title: COGNITIVE SCIENCE FOUNDATIONS
Department: Cognitive Sciences
Grade Mode: Standard Letter
Course Type: Lecture
Distribution Group: Distribution Group II
Credit Hours: 3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Lower-Level
Description: This course is designed to designed to provide an integrated introduction to basic and applied cognitive science. Topics will include history and philosophy of cognitive science, and examinations of mental processes such as perception, memory, communication, and decision-making, using perspectives from psychology, neuroscience, evolution, artificial intelligence, linguistics, and philosophy. Students will learn through readings, short lectures, discussions, and activities intended to lay a foundation for further study of interdisciplinary cognitive science and its constituent academic fields of study.

CSCI 299 - EXPERIENTIAL EDUCATION IN COGNITIVE SCIENCES
Short Title: EXPERIENTIAL EDUC IN COGSCI
Department: Cognitive Sciences
Grade Mode: Satisfactory/Unsatisfactory
Course Type: Internship/Practicum
Credit Hour: 1
Restrictions: Enrollment is limited to students with a major in Cognitive Sciences. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Lower-Level
Description: Provides one hour of university credit for faculty-approved internship. Students must obtain approval from Cognitive Sciences program director and must submit an offer letter from the internship provider as well as a letter indicating completion and satisfactory performance. Instructor Permission Required. Repeatable for Credit.

CSCI 340 - METHODS OF COGNITIVE SCIENCE
Short Title: METHODS OF COGNITIVE SCIENCE
Department: Cognitive Sciences
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Cognitive science is a basic science of mental operations in humans, animals, and artificial systems. It is a highly interdisciplinary endeavor that draws on philosophy, psychology, biology, linguistics, and computer science, among other traditional disciplines. This course provides an integrated introduction to the primary empirical methods for studying the human mind. Students will learn how the scientific method is applied to study mental information representation, manipulation, and utilization in natural and artificial cognitive systems. It will teach students to understand and evaluate existing methodological approaches as well as recognize what is necessary to replicate results. Topics include the philosophical foundations of cognitive science, basic methods of cognitive psychology, neuroscience, linguistics, computational modeling, data analysis, and ethical responsibility when conducting cognitive research.

CSCI 390 - SUPERVISED RESEARCH IN COGNITIVE SCIENCES
Short Title: SUPERV RESRCH COGNITIVE SCI
Department: Cognitive Sciences
Grade Mode: Standard Letter
Course Type: Research
Credit Hours: 1-3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Supervised research on topics relevant to the cognitive sciences. Limited to majors in Cognitive Sciences. Instructor Permission Required. Repeatable for Credit.

CSCI 477 - SPECIAL TOPICS
Short Title: SPECIAL TOPICS
Department: Cognitive Sciences
Grade Mode: Standard Letter
Course Type: Internship/Practicum, Laboratory, Lecture, Seminar, Lecture/Laboratory, Independent Study
Credit Hours: 1-4
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.

CSCI 481 - HONORS PROJECT
Short Title: HONORS PROJECT
Department: Cognitive Sciences
Grade Mode: Standard Letter
Course Type: Research
Credit Hours: 1-3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Independent directed research toward preparation of an undergraduate honors project or thesis. Instructor Permission Required. Repeatable for Credit.