Approved Electives

2018-2019

Cognitive Science (COGS)

102B Cognitive Ethnography
102C Cognitive Design Studio
109 Modeling and Data Analysis
110 The Developing Mind
115 Neurological Dev. & Cognitive Change
118A Intro to Machine Learning I
118B Intro to Machine Learning II
118C Neural Signal Processing
118D Math. Stat. for Behavioral Data Analysis
119 Programming for Experimental Research
120 Human Computer Interaction
121 Human Computer Interaction Programming
122 Interaction Design Startup
123 Social Computing
124 HCI Technical Systems Research
125 Advanced Interaction Design
126 Human-Computer Interaction
143 Animal Cognition
144 Social Cognition
151 Analogy and Conceptual Systems
152 Cognitive Foundations of Mathematics
153 Language Comprehension
154 Comm. Disorders in Children & Adults
155 Gesture and Cognition
156 Language Development
157 Music and the Mind
160 Upper Division Seminar on Special Topics
163 Metabolic Disorders/Brain
164 Neurobiology of Motivation
169 Genetic Information/Behavior
170 Brain Waves Across Scales
171 Mirror Neuron System
172 Brain Disorders and Cognition
174 Drugs: Brain, Mind and Culture
175 Neuropsyc. Basis Alternate States/Conscious.
176 From Sleep to Attention
177 Space and Time in the Brain
178 Genes, Brains & Behavior
179 Electrophysiology of Cognition
180 Neural Coding/Sensory Systems
181 Neural Networks and Deep Learning
184 Modeling the Evolution of Cognition
185 Adv. Machine Learning Methods
187A Usability & Info. Architecture
187B Practicum in Pro Web Design
188 AI Algorithm and Social Language
189 Brain Computer Interfaces
*190A Pre-Honors Project in Cognitive Science
*190B Honors Studies in Cognitive Science
*190C Honors Thesis in Cognitive Science
*195 Instructional Apprenticeship
*198 Small Group Research
*199 Independent Research

Communication (COMM)

102C Practicum in New Media and Community Life

Computer Science (CSE)

100 Advanced Data Structures
101 Design & Analysis of Algorithms
102 File and Storage Structures
130 Program Lang: Principles & Paradigms
133 Information Retrieval
150 Program Lang for Art. Intelligence
160 Intro to Parallel Computation

Design (DSGN)

100 Prototyping

Education Studies (EDS)

114 Cognitive Dev. and Interactive Computing Env.
115 Cognitive Development and Education
116 Psyc. of Teach./Struct. of Info/Human Learning
117 Language, Culture, and Education
136 Intro to Acad. Tut. Of Sec. Sch. Stud.

Linguistics (LIGN)

112 Speech Sounds and Speech Disorders
120 Morphology
121 Syntax I
125 Syntax II
130 Semantics
155 Evolution of Language
165 Computational Linguistics
169 Principles/Discourse and Dialog
170 Psycholinguistics
171 Child Language Acquisition
180 Language Representation in the Brain
181 Language Processing in the Brain

Philosophy (PHIL)

134 Philosophy of Language
136 Philosophy of Mind
149 Philosophy of Psychology
150 Philosophy of the Cognitive Sciences
151 Philosophy of Neuroscience
163 Bio-Medical Ethics
164 Technology and Human Values

Psychology (PSYC)

100 Clinical Psychology
111A Research Methods I
111B Research Methods II
115A Laboratory in Cognitive Psychology
115B Laboratory in Cognitive Psychology II
116 Lab. in Clinical Psychology Research
120 Learning and Motivation
122 Mechanisms of Animal Behavior
123 Cognitive Control + Frontal Lobe Function
125 Clinical Neuropsychology
129 Logic of Perception
132 Hormones and Behavior
133 Circadian Rhythms—Biological Clocks
134 Eating Disorders
138 Sound and Music Perception
140 Lab/Human Behavior
144 Memory and Amnesia
145 Psychology of Language
150 Cognitive Neuroscience of Vision
159 Psychological Basis of Perception
168 Psychological Disorders of Childhood
169 Brain Damage and Mental Functions
170 Cognitive Neuropsychology
171 Neurobiology of Learning and Memory
174 Visual Cognition
176 Creativity
179 Drugs, Addiction, Mental Disorder
181 Drugs and Behaviors
182 Illusions and the Brain
188 Impulse Control Disorders
189 Brain, Behavior, and Evolution

These courses will be accepted by the Cognitive Science Department as General Electives **without** a petition.

- At least 3 of your 6 total electives must be taken within the Cognitive Science Department (COGS courses).
- *One course in the Cognitive science 19x (190A, 190B, 190C, 195, 198, 199) series may be used to satisfy elective requirements, but only with the approval of both the instructor who supervised and the undergraduate advisor.
- Only one COGS 160 course can be used toward elective requirement.

Updated: 8-1-18