

# Approved Electives

## 2019-2020



### Cognitive Science (COGS)

- 102A Cognitive Perspectives
- 102B Cognitive Ethnography
- 102C Cognitive Design
- 109 Modeling and Data Analysis
- 110 The Developing Mind
- 115 Neurological Dev. & Cognitive Change
- 118A Supervised Machine Learning Algorithms
- 118B Intro to Machine Learning II
- 118C Neural Signal Processing
- 118D Math. Stat. for Behavioral Data Analysis
- 119 Programming for Experimental Research
- 120 Interaction Design
- 121 HCI Programming Studio
- 122 Interaction Design Startup
- 123 Social Computing
- 124 HCI Technical Systems Research
- 125 Advanced Interaction Design
- 126 Human-Computer Interaction
- 127 Designing Huma-Data Interactions
- 128 Information Visualization
- 138 Neural Data Science
- 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 Neuropsych. 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 Decision Making in the Brain
- 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 Artificial Intelligence Algorithms
- 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
- 130 Program Lang: Principles & Paradigms
- 150 Intro to AI: Search and Reasoning
- 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.
- 124AR Teach. Computation in the Digital World
- 124BR Teach. Computation Thinking/Everyone

### Linguistics (LIGN)

- 112 Speech Sounds and Speech Disorders
- 120 Morphology
- 121 Syntax I
- 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 Biomedical 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 Human Behavior Laboratory
- 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

### Cross-Campus Online

PSYBEH 102C: Abnormal Psychology (UC Irvine)  
 Visit [crossenroll.universityofcalifornia.edu](http://crossenroll.universityofcalifornia.edu) to enroll

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: 9-16-19