Neuroscience Courses – Fall 2020

Category A – Cellular, Molecular & Developmental Neuroscience
MCELLBI 160 001 – LEC 001: Cellular and Molecular Neurobiology (undergraduate)
4 units; class #22746
Instructors: Ehud Isacoff, Helen Bateup, Diana Bautista
M,W,F: 10 - 11 am
Location: Evans 10

NEUROSC C261 001 – LEC 001: Cellular and Developmental Neurobiology
Also offered as: MCELLBI C261
3 units; class # 23944
Instructors: Stephen Brohawn, Richard Kramer
T, Th: 11 am - 12:30 pm
Location: Li Ka Shing 125

MCELLBI 166 001 – LEC 001: Biophysical Neurobiology (undergraduate)
3 units; class #22779
Instructors: Tamira Elul, Alan Miller
T, Th: 11 am - 12:30 pm
Location: Wheeler 222

MCELLBI 236 001 – LEC 001: Advanced Mammalian Physiology
5 units; class #22709
Instructors: Diana Bautista, Polina Lishko, Ellen Lumpkin
M, W, F: 11 am - 12 pm
Location: Li Ka Shing 245

Category B – Systems & Computational Neuroscience
INTEGBI 139 001 – LEC 001: The Neurobiology of Stress (undergraduate)
4 units; class #22018
Instructor: Daniela Kaufer
M, W, F: 9:30 - 11 am
Location: Lewis 100

VISSCI 265 001 – LEC 001: Neural Computation
3 units; class # 32900
Instructor: Bruno Olshausen
T, TH: 3:30 - 5 pm
Location: Not yet listed

Category C – Cognition, Brain and Behavior
PSYCH C127 001: Cognitive Neuroscience (undergraduate)
3 units; class # 26072
Instructor: Richard Ivry
M, W: 1 - 2 pm
Location: Hearst Field Annex A1

**Required Courses for all First Year Students:**
NEUROSC 290A 001: Neuroscience Research Design and Analysis
1 unit; class # 19604
Instructor: Michael Silver
W: 4 - 6 pm
Location: TBD

NEUROSC 291A 001: Neuroscience Introduction to Research (rotations)
4 to 12 units; class # 22782

All first and second year students should register for at least one semester per year of Neurosc 294 Brain Lunch (satisfactory/unsatisfactory). Year 4 students must present a Brain Lunch talk and must sign up for a letter grade during the semester of their presentation.

NEUROSC 294 001: Neuroscience Graduate Student Presentation Seminar
1 unit; class # 19603
Instructor: Michael Silver
M: 12 - 1 PM
Location: TBD

**Commonly Chosen Electives**

Statistics

PSYCH 102 001: Methods for Research in Psychological Sciences
3 units; class # 24058
Instructor: TBD
M, W: 12 - 1 pm
Location: TBD

STAT 150 001: Stochastic Processes
3 units; class # 23692
Instructor: Brett Kolesnik
M, W, F: 1 - 2 pm
Location: LeConte 3

STAT 151A 001: Linear Modelling: Theory and Applications
4 units; class # 23686
Instructor: Samuel Pimentel
Tu, Th: 12:30 - 2 pm
Location: Birge 50

STAT 153 001: Introduction to Time Series
4 units. class # 25389
Instructor: Jared Fisher
Tu, Th: 3:30 - 5 pm
Location: Valley Life Sciences 2060

STAT 154 001: Modern Statistical Prediction and Machine Learning
4 units; class # 23668
Instructor: Gaston Trujillo
Tu, Th: 11 am - 12:30 pm
Location: Birge 50

STAT C241A 001: Statistical Learning Theory
3 units; class # 25730
Instructor: Benjamin Recht, Moritz Hardt
Tu, Th: 3:30 - 5 pm
Location: Soda 306

Electrical Engineering and Computer Science

EECS 126 001: Probability and Random Processes
4 units; class #28218
Instructors: Shyam Parekh
M, W: 4 - 6 pm
Location: Stanley 105

ELENG 221A 001: Linear System Theory
4 units; class #27843
Instructor: Claire Tomlin
Tu, Th: 9:30 - 11 am
Location: Cory 540AB

ELENG 226A 001: Random Processes in Systems
4 units; class # 27837
Instructor: Thomas Courtade
Tu, Th: 11am - 12:30 pm
Location: Cory 521

ELENG 229A 001: Information Theory and Coding
ELENG 227BT 001: Convex Optimization
4 units; class #27829
Instructor: Laurent Ghaoui, Somayeh Sojoudi
Tu, Th: 11 am - 12:30 pm
Location: LeConte 2

Bioengineering
BIOENG C231 001: Introduction to Computational Molecular and Cellular Biology
4 units; class # 28892
Instructor: TBD
M, W, F: 2 - 3 pm
Location: Tan 180

BIOENG C261 001: Medical Imaging Signals and Systems
4 units; class # 28542
Instructor: Steven Conolly
Tu, Th: 2 - 3:30 pm
Location: Tan 180

Vision Science
VISSCI 260A 001: Optical and Neural Limits to Vision
3 units; class # 29492
Instructors: Austin Roorda
M, W: 4 - 5:30 pm
Location: Minor Hall 491

Neuroscience-Related Seminar Courses
PSYCH 290
PSYCH 290B 001: Clinical Neuroscience
2 units; class # 33675
Instructor: Robert Knight
W: 1 - 3 pm
Location: Barker 210

PSYCH 290B 003: NSS: Neuroimaging Seminar Series / Journal Club
2 units; class # 31211
Instructor: Sonia Bishop
Th: 4:30 – 6:30 pm
Location: Berkeley Way West 1213
PSYCH 290Z 001: Topics in Cognitive Neuroscience and Neurology
1 to 3 units; class # 31323
Instructor: Mark D’Esposito
T: 3 - 6 pm
Location: Barker 210