Neuroscience Courses – Fall 2021

Link to online schedule of classes

Category A – Cellular, Molecular & Developmental Neuroscience
MCELLBI 160: Cellular and Molecular Neurobiology (undergraduate)
4 units; class #22463
Instructors: Ehud Isacoff, Helen Bateup, Andrea Gomez
M,W,F: 10 - 11 am
Location: Li Ka Shing 245

NEUROSC C261: Molecular and Cellular Neuroscience
Also offered as: MCELLBI C261
3 units; class #23523
Instructors: Stephen Brohawn, Richard Kramer
T,Th: 11 am - 12:30 pm
Location: Li Ka Shing 125

MCELLBI 166: Biophysical Neurobiology (undergraduate)
3 units; class #22496
Instructors: Tamira Elul, Alan Miller
T,Th: 11 am - 12:30 pm
Location: Social Sciences Building 170

Category B – Systems & Computational Neuroscience
MCELLBI 236: Advanced Mammalian Physiology
5 units; class #22426
Instructors: Diana Bautista, Polina Lishko, Ellen Lumpkin
M,W,F: 11 am - 12 pm
Location: Internet/Online

NEUROSC 299: Computing with High-dimensional Vectors
3 units, class #18853
Instructor: Bruno Olshausen
M: 1 - 4 pm
Location: 560 Evans Hall

Category C – Cognition, Brain and Behavior
VS262 - Visual Cognitive Neuroscience
3 units, class #33514
T: 12pm-2PM
Location: Minor Hall Room 491
PSYCH 210A: Proseminar: Cognition, Brain, And Behavior
3 units, class #30452
Instructor: Richard Ivry, Joni Wallis, Jack L Gallant
Th: 1pm-3pm
Location: Berkeley Way West 1214

PSYCH C127: Cognitive Neuroscience (undergraduate)
3 units; class #24996
Instructor: Jack L Gallant
Tu: 12pm-2pm
Location: Internet/Online

**Required Courses for all First Year Students:**
NEUROSC 290A: Neuroscience Research Design and Analysis
1 unit; class #19497
Instructor: Michael Silver
Days: M 2-4PM
Location: Li Ka Shing 345

NEUROSC 291A: Neuroscience Introduction to Research (rotations)
4 to 12 units; class #22499

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 #19496
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 #23618
Instructor: Frederic Theunissen
T, Th: 8 - 9 am
Location: GSPP 150
STAT 150 001: Stochastic Processes
3 units; class #23326
Instructor: TBD
M, W, F: 10-11 am
Location: Cory 277

STAT 151A 001: Linear Modelling: Theory and Applications
4 units; class #23320
Instructor: Samuel Pimentel
Tu, Th: 11 am - 12:30 pm
Location: Valley Life Sciences 2060

STAT 153 001: Introduction to Time Series
4 units. class #24645
Instructor: Jared Fisher
W: 3-6 pm
Location: Birge 50

STAT 154 001: Modern Statistical Prediction and Machine Learning
4 units; class #23303
Instructor: Song Mei
Tu, Th: 5 - 6:30 pm
Location: Moffitt Library 101

STAT C241A 001: Statistical Learning Theory
3 units; class #24828
Instructor: Benjamin Recht, Moritz Hardt
Tu, Th: 3:30 - 5 pm
Location: Dwinelle 145

Electrical Engineering and Computer Science
ELENG 120 001: Signals and Systems
4 units; class #27871
Instructor: Avideh Zakhor
W, F: 12-1 pm
Location: Birge 50

EECS 126 001: Probability and Random Processes
4 units; class #28165
Instructor: Shyam Parekh
Tu, Th: 5-6:30 pm
Location: Valley Life Sciences 2060
ELENG 221A 001: Linear System Theory  
4 units; class #27892  
Instructor: Sosale Shankar Sastry  
Tu, Th: 9:30 - 11 am  
Location: Cory 540AB

ELENG 226A 001: Random Processes in Systems  
4 units; class #27886  
Instructor: Thomas Courtade  
Tu, Th: 9:30 - 11 am  
Location: Cory 293

ELENG 229A 001: Information Theory and Coding  
3 units. class #27883  
Instructor: Venkatacha Anantharam  
Tu, Th: 5-6:30 pm  
Location: GSPP 150

ELENG 227BT 001: Convex Optimization  
3 units. class #27880  
Instructor: Laurent Ghaoui, Somayeh Sojoudi  
Tu, Th: 11 am - 12:30 pm  
Location: Physics Building 2

Bioengineering  
BIOENG C231 001: Introduction to Computational Molecular and Cellular Biology  
4 units; class #28619  
Instructor: Ian Holmes  
M, W, F: 2 - 3 pm  
Location: Etcheverry 3106

BIOENG C261 001: Medical Imaging Signals and Systems  
4 units; class #28392  
Instructor: Steven Conolly  
Tu, Th: 12:30 - 2 pm  
Location: Lewis 9

Vision Science  
VISSCI 260A 001: Optical and Neural Limits to Vision  
3 units; class #29463  
Instructors: TBD  
M, W: 4 - 5:30 pm  
Location: TBD
Psychology
PSYCH 208: Methods in Computational Modeling for Cognitive Science
3 units; class #32540
Instructor: Anne Collins
Th: 10am-12pm
Location: 1213 Berkeley Way West

Neuroscience-Related Seminar Courses
PSYCH 115 001 - Introduction to Brain Imaging Analysis Methods
3 units; class #25140
Instructor: Kevin Weiner
T, Th: 2pm-3:30pm
Location: Social Sciences Building 581