

## 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