

CMPBIO 293 SYLLABUS - Fall 2021 and Spring 2022

Week	Date	Subject	Instructors
1	8/26	Introduction Tutorial: Python programming (Links to an external site.)	Priya Moorjani Ashley Wolf Kailey Ferger
2	9/2	Human Genome and Diversity Tutorial: Genomic Analysis of Population Structure in Humans using data from 1000 Genomes Project (Links to an external site.)	Priya Moorjani
3	9/9	Ancient DNA: Insights into Human Evolution Tutorial (Postponed)	Priya Moorjani
4	9/16	Human Adaptation in the Era of Personal Genomics Tutorial (Links to an external site.)	Priya Moorjani

5	9/23	DEI lecture: Genetics, Heredity and Ethics Paper Discussion Homework 1 due Homework 2 due	Priya Moorjani
6	9/30	Guest speaker: Evolutionary Biology Paper Discussion Homework 3 due	Chris Martin
7	10/7	Guest speaker: Plant Genomics Tutorial / Paper Discussion Homework 4 due Homework 5 due	Ksenia Krasileva
8	10/14	Measuring microbiome variation with amplicon sequencing and meta genomics Tutorial	Ashley Wolf
9	10/21	No class -- CCB retreat	Ashley Wolf
10	10/28	Measuring microbial gene expression Tutorial	Ashley Wolf
11	11/4**	DEI lecture: Representation in STEM Paper Discussion	Aaron Clauset Ashley Wolf
12	11/11	No Class: Veteran's day	
13	11/18	Guest speaker: Genomic and physicochemical basis	Karthik Shekhar

		of the neuronal organization Paper discussion	
14	11/25	No Class: Thanksgiving Holiday	
15	12/2	Guest speaker: COVID-19 in high- and low-income settings Paper discussion	Joe Lewnard