Quantitative Genomics and Genetics
BTRY 4830/6830; PBSB.5021.03
Spring 2021 – Cornell / Weill Cornell

Time: Tuesday, Thursday 8:05 am – 9:20 am (Lectures)
Thursday 4PM / 5PM or Friday 8AM (Labs)
All 2021 Lectures and Labs will be conducted by Zoom meetings

Jason Mezey
jgm45@cornell.edu

Biological Statistics and Computational Biology (BSCB)
101 Biotechnology Building
Department of Genetic Medicine and
Institute for Computational Biomedicine
13th Floor, Weill-Greenberg Building, 1305 York Ave.

Cornell TA: Beulah Agyemang-Barimah
baa95@med.cornell.edu

Weill TA: Scott Kulm
sdk2004@med.cornell.edu

Course Times and Locations

Lectures: T/Th 8:05-9:20AM
All Lectures will be conducted by Zoom meetings

Computer lab:
Cornell, Ithaca Computer Lab 1: Th 5-6PM
Cornell, Ithaca Computer Lab 2: Fri 8-9AM
WCMC, NYC Computer Lab 1: Th 4-5PM
WCMC, NYC Computer Lab 2: Fri 9-10AM
All Labs will be conducted by Zoom meetings
Work Requirements for BTRY 4830 (Undergraduate) vs BTRY 6830 / PBSB.5021.03 (Graduate)

Additional work for graduate students (required to register for BTRY 6830 or PBSB.5021.03) compared to undergraduates (BTRY 4830) will include answering additional questions on the exams and as well as additional content delivery requirements for the final class project.

Note that graduate / post-graduate and undergraduate students will be graded separately.

Help Sessions
Jason’s Office Hours: Mon. 2-4PM
Zoom: https://cornell.zoom.us/j/724550601

Note that individual help sessions with Beulah (Cornell), Scott (WCMC, NYC), and Jason (Cornell or WCMC), may be set up by appointment.

Course Website
The official course website will be located on my website:
http://mezeylab.cb.bscb.cornell.edu/Classes.aspx

Suggested Prerequisites
Introductory genetics. Introductory probability and statistics.

Course Work/Grading Policy
Exams: A single mid-term and a final exam. The final exam will be cumulative. Both of these will be take-home exams.

Problem Sets: There will be a short problem set handed out on Tues. or Weds. approximately every week. You will have a week to complete.

Class Project: A single class project, involving analysis of real data, will be assigned during the second half of the semester (~2.5 weeks of time).

Grades: your grades will depend on the course work listed above with the following weights: mid-term (20%), final (30%), Problem Sets (20%), Project (25%), Computer Lab (5% - attendance). A letter grade will be determined from these components. For S/U grading, a letter grade of C- or above is required for an “S”.