



New Course Offering – Spring Semester 2018

Introduction to Genomic Data Analysis

BIOM 505 (Section 9)

CRN: 46754

2 Credit hours

Wednesday 10:00 to 11:50 am

Location: DCW B102

Instructors:

Huining Kang, PhD, Jeremy Chien, PhD,
Yan Guo, PhD & Li Luo, PhD

This graduate course covers all three major aspects for genomic data analysis: biological background, basic knowledge of bioinformatics for genomic data processing and common statistical methods used to analyze genomic data. The goal is to help students to understand the basic concepts of genomics and enable students to analyze and interpret the high-throughput data generated by modern genomic technology. Due to the interdisciplinary nature of genomic studies, this course is designed for students with various backgrounds. All the examples used in the class are from medical researches.