BIOINFORMATICS (IAB)

IAB 600X Experimental Course 1-6
This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IAB 620 Introduction to Bioinformatics 3
The class will introduce concepts and methods to analyze biological data including DNA sequence data, genome assembly and annotation, DNA sequence comparison, phylogeny construction and protein structure analyses.

IAB 621 Bioinformatics 3
A variety of concepts required to analyze biological data will be discussed. Sample topics include biological databases, sequence alignment, ontologies, reproducible science, etc.
Prerequisites: IAB 620 or permission of instructor.

IAB 622 Advanced Bioinformatics 3
Understanding key concepts and advanced tools in bioinformatics. Managing, manipulating, and analyzing biological data for genomics, haplotypes, data mining, transcriptomics, biological databases and ontologies, and hypothesis testing.
Prerequisites: IAB 620 or permission of instructor.

IAB 689 Capstone Project in Bioinformatics 3
Capstone course. Students work with local industries and nonprofit organizations to solve important data science problems under the supervision of a mentor.