

BIOINFORMATICS & SYSTEMS BIOLOGY (BISB) COURSES

BISB 815 TOOLS AND ALGORITHMS IN BIOINFORMATICS 3 Credit Hours

This course covers most of the commonly used tools for bioinformatics data analysis. The main objectives of this course are to briefly explain the underlying algorithms (methods) of various data analysis tools and to provide hands-on practice opportunities to students using a real datasets. Typically, each bioinformatic tool will be covered in a 3 hours session that includes a lecture and a lab session. This course will introduce the field of bioinformatics and cover the major bioinformatic tools that are used for analyzing a broad spectrum of bioinformatic datasets.

Typically Offered: FALL/SPR

BISB 896 RESEARCH OTHER THAN THESIS 1-9 Credit Hours

Student research that is clearly distinct from ongoing or planned thesis/dissertation work, or research/lab rotations performed prior to selecting a permanent advisor or supervisor.

Typically Offered: FALL/SP/SU

BISB 899 MASTERS THESIS 1-9 Credit Hours

Independent BISB research related to degree.

Typically Offered: FALL/SP/SU

BISB 903 BIOINFORMATICS IN SCIENTIFIC PUBLICATIONS 1 Credit Hour

This course focuses on the development of skills needed to understand, interpret, and communicate bioinformatic research.

Instructor: Dr. Jordan Rowley

Typically Offered: FALL/SPR

Capacity: 20

BISB 970 SEMINAR 1 Credit Hour

Attendance at weekly seminars offered by the department/program, or other activities specific to the degree program (contact the program director for more information).

Typically Offered: SUM/FALL

BISB 999 DOCTORAL DISSERTATION 1-9 Credit Hours

Independent student research related to the PhD dissertation. This course may be utilized before or after successful completion of the comprehensive exam.

Typically Offered: FALL/SP/SU