BINF 3101, SEQUENCE ANALYSIS
SYLLABUS

Instructor: Dr. Daniel Janies
Email: djanies@uncc.edu

COURSE DESCRIPTION

This course covers the purpose, application, and biological significance of bioinformatics methods that identify sequence similarity, methods that rely on sequence similarity to produce models of biological processes and systems, as well as methods that use sequence characteristics to predict functional features in genomic sequence data (3 credit hours).

The course meets in 104 Bioinformatics Bldg on Mondays and Wednesdays, from 1230 pm to 1345.

OBJECTIVES OF THE COURSE
Understand and use the most commonly used databases and tools in bioinformatics research.

INSTRUCTIONAL METHOD
The course is presented in a lecture format which will include the following elements as appropriate: presentation of factual material in a standard lecture format, interactive demonstrations of methods to be applied in assignments, and opportunities for student questions, discussion, and presentations by students.