



Course Number Course Name	BIOL 410 BIOINFORMATICS
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	You will use computers to search biological databases to hunt for genes, discover protein structures, and determine phylogenetic trees from molecular evolution.
Student Learning Outcomes/Objectives /Competencies of the Course	<p>Understand capabilities of bioinformatics</p> <p>Familiarity with a variety of tools and applications used in bioinformatics</p> <p>Basic understanding of how bioinformatics applications function</p> <p>Differentiate between different types of databases and associated terminology</p> <p>Explain the significance of structural similarity and homology</p>
College-Wide Student Learning Outcomes	<p><i>1. Critical Thought</i></p> <p><i>Critical Thought will be assessed on assignment related to database programing and entry.</i></p>