



Course Number Course Name	BIOL 201L PRINCIPLES OF MOLECULAR AND CELL BIOLOGY LAB
Credit Value (Breakdown of theory and lab credits)	1 Laboratory
Catalog Course Description	You will experiment with techniques and methods in molecular and cell biology to support concepts in lecture.
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Describe and apply the scientific method to solve problems in biological context 2. Demonstrate knowledge of laboratory safety skills and procedures. 3. Practice principles of scientific method while conducting laboratory activities and experiments. 4. Perform laboratory activities using relevant laboratory equipment, chemical reagents, and supplies to observe biological specimens, to measure variables, and to design and conduct experiments. 5. Operate light microscopes, prepare wet mount slides, and use stains. 6. Exhibit ability to use pipettes and other volumetric measuring devices, chemical glassware, balances, pH meters or test papers, spectrophotometers, and separation techniques, such as chromatography and/or electrophoresis to perform activities relevant to other course competencies. 7. Analyze and report data generated during laboratory activities and experiments.
College-Wide Student Learning Outcomes	<i>This lab will be assessed in conjunction with the associated lecture/theory course which is a co-requisite.</i>