



<b>Course Number</b> <b>Course Name</b>	BIOL 4492 Biology Capstone Project
<b>Credit Value</b> <b>(Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	You will have the culminating learning experience of your studies in biology and will have an opportunity to integrate and apply competencies and knowledge gained from coursework and laboratory experiences, and to demonstrate a broad mastery of learning across the curriculum.
<b>Course Student Learning Outcomes/Objectives /Competencies</b>	<ol style="list-style-type: none"> <li>1. Implement a research project based on the scientific method</li> <li>2. Identify data and data analysis methods appropriate to their research question</li> <li>3. Apply basic to intermediate data analysis practices, particularly quantitative analysis</li> <li>4. Think critically about implication of results</li> <li>5. Write in a clear, concise, academic style</li> <li>6. Differentiate between original work and source material, citing sources appropriately</li> <li>7. Offer a clear presentation of data via oral presentation</li> <li>8. Accept, evaluate, and respond to feedback on written work.</li> </ol>
<b>College-Wide Student Learning Outcomes measured (General education courses only)</b>	
<b>Program Student Learning Outcomes measured</b>	<ol style="list-style-type: none"> <li>1. Provide students with ability to effectively communicate the findings of biological research and incorporate their findings into the existing body of knowledge in biology. Students will demonstrate ability to report the results of their experiments through oral and written communication.</li> <li>2. To prepare students to undertake careers in the biological sciences.</li> </ol>