

Department: Molecular Biology and Microbiology
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Program Name & CIP Code: 26.05051 Level: MS-Molecular Biology and Microbiology

Example of Linkage between Expanded Statement Of Institutional Purpose,
 Departmental/Program Intended Outcomes/Objectives, Assessment Criteria and Procedures,
 Results, and Use of Results at our University

Expanded Statement of Institutional Purpose	Departmental/Program Intended Outcomes/objectives	Assessment Criteria & Procedures	Assessment Results	Use of Results
<p>UCF is a metropolitan university committed to providing the finest undergraduate education in Florida, achieving international prominence in key graduate educational and research programs, promoting a global perspective, fostering inclusiveness and diversity, and becoming America's leading partnership university.</p> <p>Provide a quality graduate education in Molecular Biology and Microbiology. Graduates of the MS program in Molecular Biology and Microbiology will develop sufficient in-depth knowledge to conduct research.</p>	<p>1. Graduates will demonstrate their ability conduct independent research.</p> <p>2. Graduates will demonstrate their ability to write and communicate effectively.</p> <p>3. Graduates will be able to demonstrate competency in the following areas of Knowledge: General Microbiology, Medical Microbiology and Molecular Biology.</p>	<p>1. Ninety percent of graduate thesis will be based on independent research as judged by a faculty committee of the sub discipline. (committee members will be asked to provide strength and weaknesses concerning methods and principles related to the research).</p> <p>2a. Ninety percent of a sample of research/term papers will meet the communication standards of the discipline as judged by a faculty committee.</p> <p>2b. Ninety percent of the thesis will meet the communication standards of the discipline as judged by a faculty committee.</p> <p>2c. Fifty percent of the graduates will publish a peer reviewed paper based on their thesis research within three years of graduation.</p> <p>3a. Ninety percent of graduates will receive no less than 2.5 on a 5 pt scale in each of the knowledge areas as judged by the Graduate Thesis Committee during the comprehensive oral exam.</p> <p>3b. Ninety percent of a sample of research papers will demonstrate that students have at least an adequate knowledge of the subject topic as judged by the Departmental Graduate Committee.</p>	<p>1. Data was evaluated by faculty. One hundred percent of the students demonstrated excellent ability to conduct independent research and use appropriate methods.</p> <p>2a. A committee of faculty reviewed papers. Seventy-one percent met standards. Evaluations indicate some students have need to improve writing skills.</p> <p>2b. Faculty committee reviewed thesis. One hundred percent met standards. Some students especially ESL students had problems during writing stages.</p> <p>2c. Journal reviews were conducted by faculty. Sixty-six percent of graduates published peer reviewed papers within three years.</p> <p>3a. Criteria were established by faculty and results tabulated for review. One hundred percent of the students performed at the 4.8 level.</p> <p>3b. Committee of faculty reviewed research papers. Fifty percent met. Fifty percent of students demonstrated "above average" knowledge but need assistance in writing.</p>	<p>1. Target met. Results were used to evaluate the need for curriculum changes. No changes recommended. Continue to monitor.</p> <p>2a. Target not met. Results were used to evaluate the need for curriculum changes. Advise students especially ESL students to take additional writing courses. Continue to monitor.</p> <p>2b. Target met. Results were used to evaluate need for curriculum changes. Refer students to SARC for assistance in writing. Continue to monitor changes.</p> <p>2c. Target met. Results were used to evaluate the need for curriculum changes. No changes recommended. Continue to monitor.</p> <p>3a. Target met. Results were used to evaluate the need for curriculum changes. No changes recommended. Continue to monitor.</p> <p>3b. Target not met. Results indicate need for further evaluation. Establish sessions for writing skills oriented to the disciplines of a particular course.</p>