

**Assessment Activities, 2008-2009**  
**Program: Medical Microbiology and Immunology**

<i><b>University Assessment Goals</b></i>	<i><b>Graduate School Goals</b></i>	<i><b>Program Outcomes</b></i>	<i><b>Assessment Procedures and Criteria</b></i>
<b>1. Graduates will demonstrate disciplinary competence and/or professional proficiency.</b>	1. Graduates will demonstrate the disciplinary competence and/or professional proficiency with a global perspective in service to others.	<p>Graduates will demonstrate advanced knowledge in the fields of Medical Microbiology and Immunology</p> <p>Graduates will demonstrate competence in the laboratory, including application of the scientific method and appropriate use of basic and state-of-the-art laboratory tools/techniques</p>	<p>Students are assessed during the course of a comprehensive curriculum in of didactic courses on disciplines of medical microbiology and immunology</p> <p>Comprehensive 8 hour Critical Thinking Essay Exam during third year in program</p> <p>In addition to presenting research updates during some departmental seminars, students are required to update their research progress to their doctoral committee each semester. Students are evaluated based upon their research progress, presentation, understanding or research methods, and interpretation of data in the context of the current literature. Students are also evaluated on their ability to answer questions during their committee meetings and departmental seminars. The faculty assessments are reviewed by the student's advisor and program director, and then shared with the student to highlight strengths and areas of further work.</p>
2. Graduates will demonstrate critical thinking skills.	2. Graduates will demonstrate an ability to combine critical thinking, disciplined research, and effective problem-solving in their field of study.	Graduates will demonstrate independent critical thinking, both within their field of study, and beyond for the use of their knowledge for their career and service to others.	<p>Students are evaluated for critical thinking during departmental seminars, presentations in upper level graduate courses, bi-annual graduate committee research updates, and oral defense of grants and dissertation</p> <p>Students are also required to write critical summaries of research manuscript presented in courses</p>
<b>3. Graduates will demonstrate Ignatian values, to include but not limited to a commitment to an exploration of faith and the promotion of justice.</b>	3. Graduates will demonstrate ethical decision making, service, and civic responsibility in accordance with the Judeo-Christian tradition and Ignatian values.	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
4. Graduates will demonstrate the ability to communicate clearly and effectively.	4. Graduates will respectfully and effectively communicate information through all modes of expression.	Graduates will demonstrate written and oral skills necessary for communication of research, knowledge, and ideas to scientists and non-scientists alike	Students are evaluated for their oral skills in departmental seminars, class presentations, bi-annual graduate committee research updates. Students are evaluated for their writing skills through development and defense of two NIH-style research grants during the course of their doctoral program. Similar to the discussion above, the student evaluations are reviewed by the faculty advisor and program director to identify strengths and weaknesses, and these are shared with the student for developmental purposes.
<b>5. Graduates will demonstrate deliberative reflection for personal and professional formation.</b>	5. Graduates will demonstrate deliberative reflection for lifelong personal and professional formation.	Graduates will identify and suggest possible solutions to ethical dilemmas that occur in their work and field of study, and understand the importance of professional ethics in all aspects of scientific communication and laboratory work.	Required to complete a graduate school course focusing specifically on scientific ethics

6. Graduates will demonstrate the ability to work effectively across race, ethnicity, culture, gender, religion, and sexual orientation.	6. Graduates will demonstrate an ability to work effectively and in solidarity across the distinctions of human diversity.	Our graduate program is represented by U.S. and international students, and at any given time we have a diverse cross-section of different cultures, religions, ethnicities, genders, and I would assume sexual orientation. Any issues between students or faculty are handled directly, and intolerance is not accepted.	Students do not take any courses or seminars on dealing with these issues, but rather they are expected to respect each other and faculty for their differences.