

## OPTION E1: PART A. INVENTORY OF EDUCATIONAL EFFECTIVENESS INDICATORS

Department/Program Name	(1) Have formal learning outcomes been developed?	(2) Where are these learning outcomes published? (please specify) Include URLs where appropriate.	(3) Other than GPA, what data/evidence is used to determine that graduates have achieved the stated outcomes for the degree? (e.g., capstone course, portfolio review, licensure examination)	(4) Who interprets the evidence? What is the process? (e.g. annually by the curriculum committee)	(5) What changes have been made as a result of using the data/evidence?	(6) Date of most recent program review (for general education and each degree program)
Pharmacology/Standard Master's Program	Yes. They are part of a set of guidelines provided to students when they start the program.	Records of the learning outcomes, including qualifying exam results, course grades and thesis committee reports, are maintained by the Program Director.	<ol style="list-style-type: none"> <li>1. Written qualifying exam for all students taken near the end of their studies.</li> <li>2. Core curriculum (required pharmacology courses)</li> <li>3. An overall GPA of 3.0 or better is required.</li> <li>4. Scheduled thesis committee reports of satisfactory progress for students on the thesis track.</li> <li>5. A grade of satisfactory for each semester of thesis research credits (provided by scientific mentor).</li> <li>6. Successful thesis defense for students on the thesis track.</li> </ol>	<ol style="list-style-type: none"> <li>1. Qualifying exams are evaluated by each of the Pharmacology faculty providing questions.</li> <li>2. The Director works with each student individually at the start of their first semester to map out their course schedule for the entire degree program. This ensures that all students take the required courses and obtain the required credits. The Director meets individually with each</li> </ol>	<ol style="list-style-type: none"> <li>1. Guidelines provided to students include specific target dates for attaining course goals, taking required courses, maintaining the required 3.0 GPA and for ensuring that the student take elective courses most appropriate for their long-term career goals.</li> <li>2. Guidelines provided to students include specific target dates for meeting research goals, including requirements regarding committee meeting frequency.</li> <li>3. The Thesis Committee Report form is updated regularly based on feedback from students and faculty. It is distributed to faculty and students prior to each committee meeting. The form asks</li> </ol>	This program is reviewed by the Pharmacology Faculty annually.

				<p>student at the end of each semester to monitor progress.</p> <p>3. Thesis committee meetings are evaluated by the mentor and other committee mentors. This is by discussion with the student during their research update to the committee followed by a committee only discussion followed by feedback and specific objectives given to the student for the next meeting. Evaluations are reported to the Director in the form of a standardized form provided by the program. To ensure timely tracking of student progress or problems, committee meetings are held at least</p>	<p>for committee comments on specific questions relating to the student's scientific hypothesis, experimental design, data quantification and analysis, student comprehension of the project, and timeline to completion, The results are reviewed by the Director, who then addresses any concerns.</p>	
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