

## FAMOUS ASSESSMENT PLANNING FORM

Instructional Programs (IP)	
SECTION I _ GENERAL INFORMATION	
<b>Degree Program</b>	Ph.D in Pharmaceutical Sciences
<b>College/School</b>	College of Pharmacy & Pharmaceutical Sciences
<b>Contact Person(s)</b>	Dr Ellen S. Campbell
<b>Academic Year</b>	2010 – 2011
<b>Date Submitted, Steps 1-3</b>	November 2010
<b>Date Submitted, Steps 4-5</b>	October 2011
<b>Date Submitted, Step 6</b>	October 2011

SECTION II_ INSTITUTIONAL MISSION/GOALS CONNECTION	
<b>Excerpt(s) Citing Linkage to University Mission Statement</b>	to provide an enlightened and enriched academic, intellectual, moral, cultural, ethical, technological and student-centered environment conducive to the development of highly qualified individuals who are prepared and capable of serving as leaders and contributors in our ever-evolving society...FAMU is committed to...meaningful public and community service through creative partnerships at the local, state, national and global levels...While the University continues its historic mission of educating African Americans, persons of all races, ethnic origins and nationalities are welcomed and encouraged to remain life-long members of the university community.
<b>Excerpt(s) Citing Linkage to University Goal (s) Statements</b>	<b>Goal 5.1: Produce diverse and culturally astute graduates for the global workforce.</b> <b>Strategy 5.1.2:</b> Become a top producer of African Americans with graduate and professional degrees in the Science, Technology, Engineering and Mathematics (STEM), law and health.
<b>Program Mission/Goals</b>	The primary mission of the College of Pharmacy and Pharmaceutical Sciences, in concert with Florida A&M University, is to prepare students for life-long learning and careers in an evolving profession of pharmacy. The College reinforces its mission through an active role and responsibility in the delivery, outcome, and study of pharmaceutical care services it shares with other healthcare providers. The College is committed to the advancement of pharmaceutical knowledge through teaching, research, and service in a supportive and caring environment that enhances the attainment of educational excellence and the highest standards in professional and ethical practice. The College inculcates cultural sensitivity and diversity through its faculty, student body, and patient care.  <b>Goals</b> To fulfill the mission of the Florida A&M University College of Pharmacy and Pharmaceutical Sciences, the goals of the College are set forth as the following:

	<p><b>Goal 1:</b> Prepare pharmacy graduates with the attitudes, knowledge, skills, and abilities, to become highly qualified pharmacists. These graduates will work with patients and other health care providers to screen for, prevent, and resolve medication-related problems, as well as provide health promotion, disease prevention and disease- management services.</p> <p><b>Goal 2:</b> Produce pharmaceutical scientists, who through teaching, research and service, contribute to the body of pharmaceutical knowledge.</p> <p><b>Goal 3:</b> Promote pharmaceutical research and knowledge generation through the acquisition of extramural funding and published research data.</p> <p><b>Goal 4:</b> Build and nurture an environment, which satisfies work, career opportunities and professional growth for faculty, and staff.</p> <p><b>Goal 5:</b> Provide programs, resources, and services to our patients and the community.</p>
<p><b>Program Expected Outcomes</b></p>	<p><b>Outcome Statements:</b></p> <p>Graduates shall be able to:</p> <ul style="list-style-type: none"> <li>• Conceive, design, conduct and interpret independent research.</li> <li>• Provide pharmaceutical education at both undergraduate and graduate levels.</li> <li>• Publish research findings in refereed indexed national and international scientific periodicals.</li> <li>• Articulate, communicate and present research findings at local, national and international scientific meetings.</li> <li>• Compete successfully for extramural funding.</li> </ul>

<b>SECTION III_ FAMOUS SIX STEPS</b>		
<b>EXPECTED EDUCATIONAL OUTCOME #1</b>		
<b>Step 1</b>	<b>Formulate Objective</b>	Conceive, design, conduct and interpret independent research
<b>Step 2</b>	<b>Ascertain Criteria for Success</b>	<p><b>Direct Criteria for Success:</b> 50% of PhD students will submit abstracts to major professional meetings</p> <p><b>Indirect Criteria for Success:</b> 80% of PhD graduate students will rate themselves as proficient in conceiving, designing, conducting, and interpreting independent research</p>
<b>Step 3</b>	<b>Measure Performance Using Direct and Indirect Methods of Assessment</b>	<p><b>Direct Assessment Method(s):</b> Abstract submission as reported by major advisor to the Graduate Programs coordinator at the Office of Student Services</p> <p><b>Indirect Assessment Method(s):</b> PhD Students will rate themselves as proficient in conceiving, designing, conducting and interpret independent research through annual graduate student (self-evaluation) survey</p>
<b>Step 4</b>	<b>Observe and Summarize Results</b>	<p><b>Results of Direct Criteria for Success:</b> <b>Direct Measure(s):</b> During the academic year, 94% of PhD graduate students submitted an abstract for presentation at a professional meeting</p> <p><b>Results of Indirect Criteria for Success:</b> 94% of PhD graduate students rated themselves as proficient in conceiving, designing, conducting, and interpreting independent research.</p>
<b>Step 5</b>	<b>Use of Results for Improvement (Implemented)</b>	Results indicate the program exceeded the criteria.
<b>Step 6</b>	<b>Strengthening Unit Services (Action Plan)</b>	None needed at this time

<b>SECTION III_ FAMOUS SIX STEPS</b>		
<b>EXPECTED EDUCATIONAL OUTCOME #2</b>		
<b>Step 1</b>	<b>Formulate Objective</b>	Provide Pharmaceutical Education at the undergraduate level
<b>Step 2</b>	<b>Ascertain Criteria for Success</b>	<p><b>Direct Criteria for Success:</b> 100% of PhD graduate students will participate in undergraduate teaching during their matriculation</p> <p><b>Indirect Criteria for Success:</b> 80% of PhD graduate students will rate themselves as proficient in undergraduate teaching</p>
<b>Step 3</b>	<b>Measure Performance Using Direct and Indirect Methods of Assessment</b>	<p><b>Direct Assessment Method(s):</b> Classes taught by PhD student as reported by their major advisor to the Graduate Programs coordinator at the Office of Student Services</p> <p><b>Indirect Assessment Method(s):</b> PhD Students will rate themselves as proficient in teaching at the undergraduate level through annual graduate student (self-evaluation) survey</p>
<b>Step 4</b>	<b>Observe and Summarize Results</b>	<p><b>Results of Direct Criteria for Success:</b> 100% of graduating Ph D students participated in undergraduate teaching during their matriculation</p> <p><b>Results of Indirect Criteria for Success:</b> 94% of Ph D graduate students rated themselves as proficient in undergraduate teaching</p>
<b>Step 5</b>	<b>Use of Results for Improvement (Implemented)</b>	Results indicate the program exceeded the criteria.
<b>Step 6</b>	<b>Strengthening Unit Services (Action Plan)</b>	None needed at this time

<b>SECTION III_ FAMOUS SIX STEPS</b>		
<b>EXPECTED EDUCATIONAL OUTCOME #3</b>		
<b>Step 1</b>	<b>Formulate Objective</b>	Graduate Students will publish research findings in refereed indexed national and international periodicals
<b>Step 2</b>	<b>Ascertain Criteria for Success</b>	<p><b>Direct Criteria for Success:</b> 40% of PhD students will submit a manuscript for publication</p> <p><b>Indirect Criteria for Success:</b> 80% of PhD graduate students will rate themselves as proficient in publishing research in scientific periodicals</p>
<b>Step 3</b>	<b>Measure Performance Using Direct and Indirect Methods of Assessment</b>	<p><b>Direct Assessment Method(s):</b> PhD student Manuscript submission as reported by major advisor to the Graduate Programs coordinator at the Office of Student Services</p> <p><b>Indirect Assessment Method(s):</b> PhD Students will rate themselves as proficient in publishing research in scientific periodicals through annual graduate student (self-evaluation) survey</p>
<b>Step 4</b>	<b>Observe and Summarize Results</b>	<p><b>Results of Direct Criteria for Success:</b> During the academic year, 56% of PhD students submitted a manuscript for publication</p> <p><b>Results of Indirect Criteria for Success:</b> 83% of Ph D graduate students rated themselves as proficient in publishing research in scientific periodicals</p>
<b>Step 5</b>	<b>Use of Results for Improvement (Implemented)</b>	Results indicate the program exceeded the criteria.
<b>Step 6</b>	<b>Strengthening Unit Services (Action Plan)</b>	None needed at this time

<b>SECTION III_ FAMOUS SIX STEPS</b>		
<b>EXPECTED EDUCATIONAL OUTCOME #4</b>		
<b>Step 1</b>	<b>Formulate Objective</b>	Graduate students will articulate, communicate and present research findings at local, national or international scientific meetings
<b>Step 2</b>	<b>Ascertain Criteria for Success</b>	<p><b>Direct Criteria for Success:</b> 100% of PhD students will make presentation at a professional meeting at least once during their graduate program</p> <p><b>Indirect Criteria for Success:</b> 80% of PhD graduate students will rate themselves as proficient in articulating, communicating and presenting research at national scientific meetings</p>
<b>Step 3</b>	<b>Measure Performance Using Direct and Indirect Methods of Assessment</b>	<p><b>Direct Assessment Method(s):</b> List of graduating PhD students along with designation of whether they presented at a national or international scientific meeting as collected by the Graduate Programs coordinator at the Office of Student Services.</p> <p><b>Indirect Assessment Method(s):</b> PhD Students will rate themselves as proficient in presenting research at national scientific meetings through annual graduate student (self-evaluation) survey</p>
<b>Step 4</b>	<b>Observe and Summarize Results</b>	<p><b>Results of Direct Criteria for Success:</b> 100% of graduating PhD students made a presentation at a professional meeting at least once during their graduate program</p> <p><b>Results of Indirect Criteria for Success:</b> 100% of Ph D graduate students rated themselves as proficient in articulating, communicating and presenting research at national scientific meetings</p>
<b>Step 5</b>	<b>Use of Results for Improvement (Implemented)</b>	Results indicate the program exceeded the criteria.
<b>Step 6</b>	<b>Strengthening Unit Services (Action Plan)</b>	None needed at this time

<b>SECTION III_ FAMOUS SIX STEPS</b>		
<b>EXPECTED EDUCATIONAL OUTCOME #5</b>		
<b>Step 1</b>	<b>Formulate Objective</b>	Ph D candidates will compete successfully for external funding (i.e. internship, fellowship, trainingship, or thesis/dissertation funding)
<b>Step 2</b>	<b>Ascertain Criteria for Success</b>	<p><b>Direct Criteria for Success:</b> 80% of Ph.D candidates will apply for external funding support. 20% of Ph.D candidates will received external funding support</p> <p><b>Indirect Criteria for Success:</b> 80% of PhD candidates will rate themselves as proficient in competing for external funding</p>
<b>Step 3</b>	<b>Measure Performance Using Direct and Indirect Methods of Assessment</b>	<p><b>Direct Assessment Method(s):</b> PhD Candidates' submission and receipt of extramural funding as reported by major advisor to the Graduate Programs coordinator at the Office of Student Services</p> <p><b>Indirect Assessment Method(s):</b> Students will rate themselves as proficient in competing successfully for external funding (i.e. internship, fellowship, trainingship, or thesis/dissertation funding through annual graduate student (self-evaluation) survey</p>
<b>Step 4</b>	<b>Observe and Summarize Results</b>	<p><b>Results of Direct Criteria for Success:</b> 7 out of 14 (50%) PhD candidates submitted applications for external funding and 1 out of 14 (7%) received funding.</p> <p><b>Results of Indirect Criteria for Success:</b> 9 out of 14 (64%) PhD candidates rated themselves as proficient in competing successfully for external funding</p>
<b>Step 5</b>	<b>Use of Results for Improvement (Implemented)</b>	The results have been provided to graduate faculty to encourage students to apply for funding.
<b>Step 6</b>	<b>Strengthening Unit Services (Action Plan)</b>	There will be a more concerted effort to inform graduate students and their advisors about funding opportunities