

University of Florida

Academic Affairs

Academic Colleges

College of Pharmacy

Certificates

**Pharmaceutical Outcomes and Policy - Applied Pharmacoeconomics, Clinical Research Regulation in Pharmacy, Drug Regulatory Affairs, Patient Safety & Medication Risk Management, Pharmacy Regulation & Policy**

**Pharmaceutical Outcomes and Policy - Applied Pharmacoeconomics, Clinical Research Regulation in Pharmacy, Drug Regulatory Affairs, Patient Safety & Medication Risk Management, Pharmacy Regulation & Policy Mission**

The College's mission includes the promotion and fostering of graduate education in pharmaceutical, clinical, administrative and psychosocial sciences. Students are educated to become distinguished contributors to pharmacy and related disciplines. These programs support that mission.

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**2014-15 SLO 1: Knowledge**

Identifies, describes, and explains concepts, theories, and methodologies in the specific area of pharmaceutical outcomes and policy.

**SLO Area (select one):** Knowledge (Grad)

**Assessment Method**

Document grades on assessments in each of the 5 courses in the certificate program. The assessments are designed to measure students' ability to apply specific concepts to real-world problems in the given area of study.

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**2014-15 SLO 2: Problem-Solving/Critical Thinking**

Evaluate a problem that is related to the specific area of pharmaceutical outcomes and policy.

**SLO Area (select one):** Skills (Grad)

**Assessment Method**

Assess each student's completion of a written and/or oral assignment in each course that requires the use of problem-solving/critical thinking skills. Performance on these assignments will make up a large part of the student's course grade.

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**Pharmaceutical Outcomes and Policy - Applied Pharmacoeconomics, Clinical Research Regulation in Pharmacy, Drug Regulatory Affairs, Patient Safety & Medication Risk Management, Pharmacy Regulation & Policy "Pending Approval"**

**Start:** 7/1/2014

**End:** 6/30/2015

**Progress:** Ongoing

**Providing Department:** Pharmaceutical Outcomes and Policy - Applied Pharmacoeconomics, Clinical Research Regulation in Pharmacy, Drug Regulatory Affairs, Patient Safety & Medication Risk Management, Pharmacy Regulation & Policy

**Responsible Roles:** Graduate Coordinator (Ortiz, Jose)

**Research (Graduate and Professional AAPs only)**

**Assessment Timeline (Graduate and Professional AAPs only)**

Program: Graduate Certificates in Pharmaceutical Sciences      College: Pharmacy

As defined by the graduate school, the only passing grades for graduate students are C or better. Therefore the cutoff score for these courses is 70%. Students must obtain at least a C in all courses associated with the graduate

certificate programs.

Each graduate certificate consists of 15 credits of graduate study. In each class, students must demonstrate their knowledge frequently by contributing relevant commentary in class, and a portion of the student's grade is comprised of their participation in class. Students must also take exams and/or write papers based on an assigned topic in the subject area. Case studies are given in many classes, so that students can comment on a real-world situation in the field.

<b>SLOs</b>	<b>Knowledge</b>	<b>Problem solving</b>
<b>Certificate Programs</b>		
<b>Applied Pharmacoeconomics</b>	Several times/semester	At least once per semester
<b>Clinical Research Regulation in Pharmacy</b>	Several times/semester	At least once per semester
<b>Drug Regulatory Affairs</b>	Several times/semester	At least once per semester
<b>Patient Safety &amp; Medication Risk Management</b>	Several times/semester	At least once per semester
<b>Pharmacy Regulation &amp; Policy</b>	Several times/semester	At least once per semester

#### **Curriculum Map (UG AAPs only)**

#### **Assessment Cycle (All AAPs)**

Program: Graduate Certificates in Pharmaceutical Science s College: Pharmacy

Analysis and Interpretation: End of Spring, Summer and Fall Semester

Improvement Actions: Completed by Start of Fall Semester

Dissemination: Completed by Start of Fall semester

<b>SLOs</b>	<b>Year</b>	<b>12-13</b>	<b>13-14</b>	<b>14-15</b>	<b>15-16</b>
Knowledge		X	X	X	X
Problem Solving		X	X	X	X

#### **Methods and Procedures (UG and Certificate AAPs) & SLO Assessment Matrix (UG AAPs only)**

Each of the graduate certificate programs consists of 15 credits of graduate education delivered online through five courses. In each course, student participation is constantly assessed, as students are required to participate by contributing in class. In addition, students receive grades on quizzes, tests, papers, and case studies. All of these methods of assessment are designed to test the students' knowledge of the material, and ensure that he/she is synthesizing information and appropriately applying it. The students' performance on all of the assessments and in class participation enables us to determine each student's learning outcomes, and modify lessons as needed.

#### **SLO Assessment Rubric (All AAPs)**

Component	Criteria	Comments
<b>Methods and Procedures</b>	Methods and procedures are clear.	
	Measurements occur at appropriate times in the certificate program.	
	Measurements are appropriate for the SLOs.	
	Methods and procedures reflect an appropriate balance of direct and indirect methods.	
	The report presents examples of certificate assessment tools.	
<b>Assessment Oversight</b>	Appropriate personnel (coordinator, committee, etc.) charged with assessment responsibilities are identified	

**Measurement Tools (Graduate and Professional AAPs Only)****Assessment Oversight (All AAPs)**

Name	Department Affiliation	Email Address	Phone Number
W. Thomas Smith, PharmD, JD	College of Pharmacy	<a href="mailto:tsmith@cop.ufl.edu">tsmith@cop.ufl.edu</a>	352 273 5657
William Millard, PhD	College of Pharmacy	<a href="mailto:millard@cop.ufl.edu">millard@cop.ufl.edu</a>	352 273 6311

**Academic Assessment Plan Entry Complete:**