

## Course Outcomes Guide (COG)

**Course Title:** PHR 103 Pharmacy Applications

**Date:** Spring, 2017

**Course Team:** Jennifer Suminski, CPhT, RDH, MS

### Expected Learning Outcomes

1. Demonstrate an understanding of the pharmacy technician's role in the medication-use process in various pharmacy practice settings;
2. Demonstrate an understanding of the receipt and evaluation of prescriptions and medication orders for completeness and authenticity;
3. Demonstrate the steps taken to assist the pharmacist in collecting, organizing, and evaluation information for direct patient care, medication review, and departmental management;
4. Properly count, measure, and prepare medications as specified by a prescription or medication order;
5. Practice safety policies and procedures during the preparation of all medications;
6. Demonstrate the proper use of literature to gain necessary drug information;
7. Understand the purpose and processing of non-sterile compounding;
8. Define the regulations and laws pertaining to non-sterile compounding;
9. Prepare non-sterile compounds in accordance with USP guidelines; and
10. Effectively use pharmacy practice computer software.

**Assessment** (How do or will students demonstrate achievement of each outcome? Please attach a copy of your assessment electronically.)

Outcomes are measured through fifteen (15) written assignments, five (5) quizzes, three (3) lecture examinations and one (1) comprehensive examination, one (1) pharmacy project, and lab practical evaluations.

**Validation** (What methods have you used or will you use to validate your assessment?)

Assessments are validated automatically by online educational programs designed by the publishers of the course textbook. The instructor designs these assessments using items supplied by the textbook publisher. Completion of course with an average overall grade of "C" or greater.

**Results** (What do your assessment data show? If you have not yet assessed student achievement of your learning outcomes, when is assessment planned?)

Number of Students in Section	4
Number of Students Completing Final	4

Comprehensive Examination	
% Withdrawn	0
Average % Score on Section Examinations/Quizzes	72.20%
Average % Pharmacy Project	100%
Average % Score on Comprehensive Examination	96.10%
Average % Score on Assignments	90.63%
Course Grade Distribution	A = 1
	B = 2
	C = 1
Average Course Grade	85.21%
% Student Success	100%

**Follow-up** (How have you used or how will you use the data to improve student learning?)

Assessments are continually edited to align item with course content and student learning outcomes.

**Budget Justification** (What resources are necessary to improve student learning?)

None.