

**Course Outcomes Guide  
Fall 2015**

**Course/Program Title: PHR 103 Pharmacy Applications**

**Date: 08/24/2015**

**Fall 2015 Semester**

**Course/Program Team: Sandra Andrews**

**Expected Learning Outcomes:**

1. Demonstrate ethical conduct in all activities related to the delivery of pharmacy service
2. Demonstrates how to assist the pharmacist in collecting, organizing, and evaluating information for direct patient care, medication review, and departmental management
3. Explains the importance of computer software to the practice of pharmacy.
4. Demonstrate full knowledge of the schedule for controlled substances as well as demonstrate knowledge of medications that fall within these categories
5. Explain importance of following safety policies and procedures during the preparation of all medications

Assessment:

Course completion: Number passing at 75% or greater.

Course Outcomes: Common Final Exam

CO #1  
CO #2  
CO #3  
CO #3  
CO #4  
CO #4  
CO #4  
CO #4  
CO #5  
CO #5  
CO #5

**Validation:**

Course Completion:

Completion of course with an average grade of 75% or higher.

**Course Outcome 1** Common Final Exam Questions: 75% will get > 75% correct

<b>Course Outcome 2</b>	Common Final Exam Questions:	75% will get > 75% correct
<b>Course Outcome 3</b>	Common Final Exam Questions:	75% will get > 75% correct
<b>Course Outcome 4</b>	Common Final Exam Questions:	75% will get > 75% correct
<b>Course Outcome 5</b>	Common Final Exam Questions:	75% will get > 75% correct

## Results:

### Course Completion:

75 % (6/8 students) Completed the course with a grade of 75% or higher.

25 % (2/8 students) Completed the course with a grade of less than 75%. Of these, 1 was a “walk-away” F grade.

### Course Outcomes: (Common Final Exam Questions) (Number of Students Assessed was 7)

Course Outcome #1:	75% will get > 75% correct	
Multiple Choice Questions # 53-54, True/False Questions # 11-12		100%
Course Outcome #2:	75% will get > 75% correct	
Multiple Choice Questions # 1, 46, 65, True/False Question # 4		96.43%
Course Outcome #3:	75% will get > 75% correct	
Math Question #6 (Purchasing)		28.57 %
Multiple Choice Question #70 (Inventory Control)		85.71%
Multiple Choice Question #39 (Reimbursement)		71.43%
Course Outcome #4:	75% will get > 75% correct	
Math Question #2 and #5 (General Math Skills)		85.71 %
Day Supply Questions # 1-3 (Day Supply)		57.14 %
Quantity Dispensed Questions #1-2 (Quantity Dispensed)		85.71 %
Course Outcome #5:	75% will get > 75% correct	
Multiple Choice Question # 31 (Medication Safety)		100 %
Multiple Choice Questions #36 &41 (Regulatory Compliance)		64.29 %
Multiple Choice Question #59, T/F # 1 (Quality Assurance)		100 %

### **Follow-up:**

Students did not meet outcome #3 regarding purchasing and reimbursement.

Instructor will spend more lecture time on topic. Incorporate more problems in homework and in-class exercises. Instructor will also have more in class discussion of the importance of online adjudication.

Students did not meet outcome #4 regarding the calculation of day supply. Instructor will spend more lecture time on topic. Incorporate more worksheets on calculating day supply. Incorporate more questions on topic in homework exercise.

Students did not meet outcome #5 regarding regulatory compliance. Instructor will spend more lecture time on topic. Incorporate more questions on regulatory guidelines on homework exercises.

**Budget Justification:**

None at this time.