

GENERAL INFORMATION			
Name: Deborah McCray	Phone #: 7-4088		
Course Prefix/Number: PTN 0006	Course Title: Pharmacy Calculations		
Number of Credits: 3.0			
Degree Type	<input type="checkbox"/> B.A. <input type="checkbox"/> B.S. <input type="checkbox"/> B.A.S <input type="checkbox"/> A.A. <input type="checkbox"/> A.S. <input type="checkbox"/> A.A.S. <input type="checkbox"/> C.C.C. <input type="checkbox"/> A.T.C. <input checked="" type="checkbox"/> C.T.C.(V.C.C.)		
Date Submitted/Revised: November 25, 2009	Effective Year/Term: 2010-1		
<input type="checkbox"/> New Course Competency <input checked="" type="checkbox"/> Revised Course Competency			
Course to be designated as a General Education course (part of the 36 hours of A.A. Gen. Ed. coursework): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
The above course links to the following Learning Outcomes: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Communication <input checked="" type="checkbox"/> Numbers / Data <input checked="" type="checkbox"/> Critical thinking <input checked="" type="checkbox"/> Information Literacy <input type="checkbox"/> Cultural / Global Perspective </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Social Responsibility <input type="checkbox"/> Ethical Issues <input checked="" type="checkbox"/> Computer / Technology Usage <input type="checkbox"/> Aesthetic / Creative Activities <input type="checkbox"/> Environmental Responsibility </td> </tr> </table>		<input type="checkbox"/> Communication <input checked="" type="checkbox"/> Numbers / Data <input checked="" type="checkbox"/> Critical thinking <input checked="" type="checkbox"/> Information Literacy <input type="checkbox"/> Cultural / Global Perspective	<input type="checkbox"/> Social Responsibility <input type="checkbox"/> Ethical Issues <input checked="" type="checkbox"/> Computer / Technology Usage <input type="checkbox"/> Aesthetic / Creative Activities <input type="checkbox"/> Environmental Responsibility
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Course Description (limit to 50 words or less, must correspond with course description on Form 102): This is a course in Pharmacy Calculations. Students will learn to define systems of measurement, convert from one system to another, and calculate pharmacology problems. Prerequisite: HSC 0003; Corequisite: PTN 0003. (90 contact hours)			
Prerequisite(s): HSC 0003	Co requisite(s): PTN 0003		

Course Competencies: (for further instruction/guidelines go to: <http://www.mdc.edu/asa/curriculum.asp>)

Competency 1: The student will demonstrate an understanding of measurement as it relates to community practice by:

1. Explaining the difference between a cubic centimeter and a milliliter.
2. Converting measurements within the apothecary, avoirdupois, and metric systems.
3. Describing the correct techniques for measuring individual doses of medication.

Competency 2: The student will demonstrate an understanding of calculating techniques as they relate to community practice by:

1. Describing the various techniques of preparing solutions, suspensions, elixirs, emulsions, and extracts.
2. Calculating ratio, proportions, and percentages.
3. Describing the correct techniques for counting individual doses of medication.

Revision Date: _____

Approved By Academic Dean Date: _____

Reviewed By Director of Academic Programs Date: _____

Competency 3: The student will demonstrate knowledge of pharmaceutical equipment as it relates to community practice by:

1. Using common pharmaceutical weighing machinery.
2. Using common pharmaceutical volume measurement apparatus.
3. Identifying automated medication dispensing equipment and its proper use.

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Reviewed By Director of Academic Programs Date: _____