MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT. PHRM	COURSE NUMBER: 1110
NUMBER OF CREDITS: 3	Lecture: 2 Lab: 1 OJT 0
Course Title:	
Pharmaceutical Calculations	
Catalog Description:	
Pharmaceutical Calculations teaches students to demented and principles related to pharmacy tasks. Steprinciples in completing tasks associated with a pharmacy mathematical students as a pharmacy tasks associated with a pharmacy tasks. Steprinciples in completing tasks associated with a pharmacy tasks. Steprinciples in completing tasks associated with a pharmacy tasks. Steprinciples in completing tasks associated with a pharmacy tasks.	rudents will utilize basic arithmetic macy technician. Throughout this course for the required calculations that become rse. Students will also demonstrate
Prerequisites or Necessary Entry Skills/Kn	owledge.
PHRM 1100	owicuge.
FULFILLS MN TRANSFER CURRICULU applicable) □Goal 1: Communication: By meeting the following □Goal 2: Critical Thinking: By meeting the following □Goal 3: Natural Sciences: By meeting the following □Goal 4: Mathematics/Logical Reasoning: By meeting	competencies: g competencies: g competencies:
☐Goal 5: History and the Social and Behavioral Sciencompetencies:	nces: By meeting the following
☐ Goal 6: The Humanities and Fine Arts: By meeting ☐ Goal 7: Human Diversity: By meeting the following ☐ Goal 8: Global Perspective: By meeting the following ☐ Goal 9: Ethical and Civic Responsibility: By meeting ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and the Environment: By meeting the following ☐ Goal 10: People and Inc. ☐ Goal 10: People and Inc. ☐ Goal 10: People and Inc. ☐ Goal 10: People Inc.	g competencies: ng competencies: ng the following competencies:
Topics to be Covered	
This course will cover basic math concepts, in conjur dosage and measurement calculations required for ph	
Student Learning Outcome	
Interpret roman numerals. Calculate ratios and proportions.	

Demonstrate the conversion of weights and measures and direct ratios and proportions.	
Calculate dosages for adults and children based on various parameters.	
Demonstrate how to reduce and enlarge proportions	
Demonstrate problem solving skills including specific gravity, percent strength, weight and	
volume, weight and weight, and volume and volume.	
Calculate percentages and strengths of medications.	
Demonstrate basic business math principles.	
Determine flow rates associated with Intravenous (IV) fluids.	
Convert temperatures between Celsius and Fahrenheit.	
Determine correct concentrations and dilutions.	
Calculate amounts of ingredients needed for a formulation.	
Calculated the number of doses required for a prescription order.	
Convert metric measurements between apothecary and household measurements.	
Discuss how the medication/use process differs in various patient care settings.	
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Is this course part of a transfer pathway: Yes □ No ⊠
*If yes, please list the competencies below

Revised Date: 1/24/2022