COMMON COURSE OUTLINE

ROCHESTER COMMUNITY AND TECHNICAL COLLEGE

Course discipline/number/title: MATH 1026: Mathematics for Veterinary Technicians

A. CATALOG DESCRIPTION
1. Credits: 1
2. Hours/Week: 1
3. Prerequisites (Course discipline/number): MATH 0093
4. Other requirements: Prerequisite may be satisfied by equivalent Mathematics placement score.
5. MnTC Goals (if any): NA

B. COURSE DESCRIPTION: This course covers ratios and proportions, English and Metric measurement systems and dimensional analysis. Emphasis is on problem solving with application packets designed to interface with the student's core program. Cooperative learning activities are used to support learning course.

C. DATE LAST REVISED (Month, year): April, 2023

D. OUTLINE OF MAJOR CONTENT AREAS:
1. Ratios and Proportions
2. Measurement Systems (English, Metric)
3. Dimensional Analysis
4. Hematology Manual Cell Counting

E. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Perform Conversions within and between the English and Metric systems.
2. Write ratios.
3. Set up and solve proportions.
4. Perform Dimensional analysis (dosage, dilution, infusion etc.).
5. Solve hematology manual cell counting problems.
6. Solve application problems.

F. LEARNING OUTCOMES (MNTC): NA

G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:
1. Exams
2. Quizzes
3. Homework
4. Cooperative group work

H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcome(s): Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

I. SPECIAL INFORMATION (if any): None