

# MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

## Course Outline

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**Course Title:** Drug Dosage Calculations for the Paramedic

**Semester Course Prefix and Number:** EMPT 1235

**Old Quarter Course Prefix and Number:**

**Number of Credits:** 2

**Semester(s) Offered:**

**Class Size:**

Negotiated by AASC on:  
(date)

**Number of Lecture Credits:** 2

**Number of Lab Credits:**      **Number of Lab Hours:**

**Number of Studio/Demonstration/Internship Credits:**

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### **Course Purpose Code:**

\_\_\_\_\_ 0 – Developmental Courses

\_\_\_\_\_ 1 – Non-transferable

  X   2 – Technical course related to career programs

\_\_\_\_\_ 3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)

\_\_\_\_\_ 4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)

\_\_\_\_\_ 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.

\_\_\_\_\_ 9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

### **Catalog Description:**

This course addresses the need for emergency care providers to be able to learn the areas that pose consistent challenges to both students and practicing emergency healthcare providers. The following three areas are discussed and practiced throughout the course in order to meet the needs in the field of emergency medicine administration. Mathematics and fractions review, systems of measurement and drug dosage calculations.

### **Prerequisites and/or recommended entry skills/knowledge:**

Course Prerequisite(s):      None

Reading Prerequisite:      None

Composition Prerequisite:      None

Mathematics Prerequisite:      None

### **Career Programs and Transfer Majors Accessing this Course:**

Emergency Medical Technician Paramedic(EMT-P)career program

### **Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:**

(Notes: No more than two goals may be met by any one course. Curriculum Committee review and the Chief Academic Officer's approval are required.)

0.   X   None

1. \_\_\_\_\_ Communications

2. \_\_\_\_\_ Critical Thinking

3. \_\_\_\_\_ Natural Sciences

4. \_\_\_\_\_ Mathematical/Logical Reasoning

5. \_\_\_\_\_ History and the Social and Behavioral Sciences

6. \_\_\_\_\_ The Humanities and Fine Arts

7. \_\_\_\_\_ Human Diversity

8. \_\_\_\_\_ Global Perspectives

9. \_\_\_\_\_ Ethical and Civic Responsibility

10. \_\_\_\_\_ People and the Environment

**Learning Outcomes:** (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

- The student will be able to calculate drug dosages with the use of common fractions, decimal fractions, ratios and proportions, percentages and fraction conversions.
- The student will review and discuss systems of measurements most likely encountered by emergency care providers in drug dose calculations.
- The student will be able to identify seven of the most common types of emergency drug dose calculations encountered in the field and in emergency situations.

**Student Assessment Methods:**

Discussions, written quizzes and exams

**Use of Instructional Technology:** (includes software, interactive video and other instructional technologies):

This class will be a Desire 2 Learn on-line course.

**Additional Special Information:** (special fees, directives on hazardous materials, etc.)

**Transfer Information:** (Please list colleges/majors that accept this course in transfer.)

**Course Outline Revision History:**

A simple, step-by-step approach focusing on explanation and understanding, organization and accuracy in drug dosage calculations for the paramedic profession.

**Approvals:**

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Academic Affairs Standards Committee		

<b>Chief Academic Officer</b>		
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**Distribution:** Original – Instructional Services  
**Copies:** Transfer Specialist, Originating Faculty Member, Records  
**Revised:** March 2010