Course Title: Pharmacology
Semester Course Prefix and Number: EMTP 1225
Old Quarter Course Prefix and Number:

Course Purpose Code:
0 – Developmental Courses
1 – Non-transferable
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 is an introduction to pharmacological interventions commonly used in the prehospital environment. It covers pharmacokinetics and pharmacodynamics of medications, administration routes, techniques and dosage calculations. Major categories of medications such as antiarrythmics, analgesics, catecholamine’s, etc. will be introduced along with specific medications in each group.

Prerequisites and/or recommended entry skills/knowledge:
Course Prerequisite(s): EMTP 1120
Reading Prerequisite:
Composition Prerequisite:
Mathematics Prerequisite:

Career Programs and Transfer Majors Accessing this Course:
Medical Field

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. 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:

- Be able to integrate path physiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan.
- Be able to safely and precisely access the venous circulation and administer medications.

**Student Assessment Methods:**

Standard examinations and quizzes

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

Appropriate paramedic instructional materials

**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:**

The focus of this course is to introduce the student to pharmacological interventions commonly used in the pre-hospital environment.

**Approvals:**

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**Distribution:** Original – Instructional Services
**Copies:** Transfer Specialist, Originating Faculty Member, Records
**Revised:** March 2010