

# Inver Hills Community College

## EMS 2430: Advanced Pharmacology

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Builds upon the concepts and medications learned in EMS 1150. Includes instruction on medications used in ACLS and PALS and introduces RSI pharmacology and non-prescription medications and supplements. Students also learn common lab values and common medications used in critical care transport. Proper documentation and use of controlled substances is also covered. Prerequisites: Acceptance into the Paramedic Core Program, or permission of instructor.

**B. COURSE EFFECTIVE DATES:** 08/26/2013 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Review of AEMT Topics 10%
2. ACLS Medications 20%
3. PALS Medications 15%
4. RSI Medications 10%
5. Common Lab Values 5%
6. Critical Care Medications 20%
7. Narcotic and Benzodiazepine Administration 10%
8. Non-prescription Medications and Supplements 10%

### D. LEARNING OUTCOMES (General)

1. Perform accurate and efficient drug dosage calculations
2. Demonstrate implementation of ACLS algorithms
3. Demonstrate implementation of PALS guidelines
4. Explain the role of each medication used in RSI and show and understanding of the procedure
5. Describe how lab values may affect medication usage
6. Review commonly used medication used in critical care transport
7. Appreciate the role of non-prescription medication in patient self-care.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted