

# Inver Hills Community College

## EMS 1120: Introduction to EKG Interpretation

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 0

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Designed to teach the student how to interpret and label the electrocardiogram (EKG). The focus of the course is basic rhythm interpretation, but will also cover such topics as: electrophysiology, EKG monitoring, genesis of the EKG, and cardiac output as it relates to cardiac rhythms.

**B. COURSE EFFECTIVE DATES:** 08/22/2011 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Anatomy and physiology of the heart and its conduction system  
Introduction to EKG interpretation  
Principles of EKG interpretation  
Basic arrhythmias and rules for their interpretation  
Rhythm practice and drills as group activity

### D. LEARNING OUTCOMES (General)

1. Identify the anatomy of the heart and conduction system.  
List the intrinsic rate of the accepted pacemakers.  
Demonstrate measurement of key components on an EKG tracing.  
Analyze how characteristics of rhythms relate to patient's symptoms.  
Distinguish between the common arrhythmias through the application of standard rules.  
Participate in classroom activities.  
Identify common arrhythmias of an EKG.
8. Value the role of EKG monitoring in patient care.
9. Demonstrate obtaining an EKG tracing using several commonly used EKG monitors.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted