

Inver Hills Community College

EMS 1120: Introduction to EKG Interpretation

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 0

Lab Hours/Week: 1

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. EKG Rhythms 35%
2. Rhythm Practice and Drills: 40%
3. Anatomy and Electrophysiology of the Heart: 10%
4. Introductory Cardiac Monitoring and the EKG: 5%
5. Principles of Rhythm Interpretation: 10%

D. LEARNING OUTCOMES (General)

1. Identify anatomy of the heart
2. Describe the action potential of myocardial cells
3. List the intrinsic rate of the pacemakers
4. Demonstrates measurement of key components on an EKG
5. Analyze how characteristics of rhythms relate to patient's symptoms
6. Distinguish between various arrhythmias
7. Identify arrhythmias on a EKG
8. Participate in classroom activities
9. Value the role of EKG monitoring in patient 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