

NURS 259 : Basic ECG Interpretation for Health Care Providers

Credits: 2

Class Hours: 2 lecture

Prerequisites: Concurrent enrollment in the Nursing program, licensed Registered Nurse, Emergency Medical Technician, or approval of instructor.

Description: This course develops nursing theory related to the accurate interpretation of cardiac rhythms and arrhythmias on the 12 lead electrocardiogram (ECG). The focus is on the cardiac conduction system, electrophysiology, and a systematic approach to the interpretation and treatment of cardiac rhythms and arrhythmias.

Semester Offered: Spring

Course Student Learning Outcomes (CSLOs):

1. Identify pacemaker function on ECG rhythm strips.
2. Differentiate the origin, characteristics, and the treatments of rhythms and arrhythmias by correct interpretation of ECG rhythm strips.
3. Describe the cardiac conduction system, its inherent characteristics, normal sequence of activation in the heart, and its relation to pump action.
4. Describe the ECG monitor and the components of the normal PQRST complex.
5. Identify the effects of electrolyte abnormalities and select medications on ECG rhythm strips.
6. Demonstrate a systematic approach to accurate interpretation of ECG rhythm strips.
7. Differentiate ECG changes that occur with cardiac ischemic events.