

PSG A155: CARDIAC RHYTHM ANALYSIS

Item	Value
Curriculum Committee Approval Date	12/02/2020
Top Code	121100 - Pharmacy Technician
Units	.5 Total Units
Hours	12 Total Hours (Lecture Hours 12)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

Electrocardiogram analysis for the assessment and care of patients in a sleep lab. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Describe and identify normal and abnormal ECG tracings and distinguish life threatening ECG arrhythmias.

Course Objectives

- 1. Describe normal cardiac physiology. SCANS: Information
- 2. Assess cardiac status by evaluating the ECG. SCANS: Thinking
- 3. Recognize abnormal ECG tracings. SCANS: Thinking
- 4. Interpret ECG tracings for normal and abnormal conditions. SCANS: Thinking
- 5. Identify ECG artifacts. SCANS: Thinking
- 6. Distinguish life threatening ECG arrhythmias. SCANS: Thinking

Lecture Content

ECG Cardiac electrophysiology Performing ECGs Lead placement Machine setup and calibration Artifacts Interpretation Normal ECG Sinus arrhythmias Atrial arrhythmias Functional arrhythmias Ventricular arrhythmias Heart blocks Pacemaker rhythms

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)

Instructional Techniques

Lecture discussions, laboratory demonstrations, clinical simulations

Reading Assignments

1 – 1.5 hours per week Reading assignments from textbook.

Writing Assignments

Content based written examinations Application of concepts

Out-of-class Assignments

1 – 1.5 hours per week Completing handouts and development of appropriate polysomnographic recordings.

Demonstration of Critical Thinking

Written and objective examinations

Required Writing, Problem Solving, Skills Demonstration

Content based written examinations Application of concepts

Eligible Disciplines

Radiation therapy: Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.

Other Resources

1. Selected handout materials to be provided and distributed by the instructor.