

PEM 142C : Cardiology I

Focuses on the conduction system of the heart, electrocardiography, as well as interpretation and the treatment of cardiac arrhythmias. Any failure in this course, PEM 117C, or PEM 150C will trigger a failure in PEM 161C (even if a passing grade in PEM 161C has been achieved).

Credits 2

Lab/Practicum/Clinical Hours 0

Lecture Hours 2

Co-Requisite Courses

PEM 117C

PEM 150C

PEM 161C

Learning Outcomes

- Demonstrate understanding of the anatomy and physiology of the cardiovascular system.
- Explain the pathophysiology, defining characteristics, clinical presentation, and management of cardiac rhythms and dysrhythmias.
- Discuss the principles of electrophysiology by describing ECG lead placement and ECG monitor utilization in various clinical situations (including 4-lead and 12-lead).
- Demonstrate mastery of knowledge as required by the National EMS Educational Standards.