

Administrative Master Syllabus

Course Information

Course Title	Cardiology
Course Prefix, Num. and Title	EMSP 2444
Division	VOCS
Department	Emergency Medical Services Program
Course Type	WECM Course
Course Catalog Description	Assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation.
Pre-Requisites	Current AEMT certification from the Texas Department of State Health Services OR current AEMT certification from the National Registry OR EMSP 1355 with a current EMT certification from the Texas Department of State Health Services.
Co-Requisites	EMSP 2261, EMSP 2330, EMSP 2306, and EMSP 2434

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	4:3:3
Lab/Other Hours	
Equated Pay Hours	4.5
Lab/Other Hours Breakdown: Lab Hours	3
Lab/Other Hours Breakdown: Clinical Hours	Enter Clinical Hours Here.
Lab/Other Hours Breakdown: Practicum Hours	Enter Practicum Hours Here.
Other Hours Breakdown	List Total Lab/Other Hours Here.

Approval Signatures

Title	Signature	Date
Department Head:	<i>Gary Bonewald</i>	2/23/2024
Division Chair:		
VPI:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

- Cardiovascular Emergencies
 - Review of Cardiovascular Anatomy and Physiology
 - Patient Assessment
 - Electrophysiology
 - 12-Lead ECG's
 - Prehospital ECG Monitoring- Prehospital 12-Lead ECG Monitoring
- Responding to a Field Code

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

Be able to integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan for the cardiac patient.

Methods of Assessment:

Computer Based Exams, critical skills development, scenario assessments, assessment graphs, patient care assessments, oral interviews, critical thinking skills, various hands on skills evaluations and decision making exercises.

Required text(s), optional text(s) and/or materials to be supplied by the student:

- Platinum Planner, Platinum Educational Group, Current edition
- Emergency Care in the Streets (Advantage Package) (print and/or digital), Caroline, Jones and Bartlett Publishers, Current edition
- Basic Arrhythmias with 12-Lead EKG's (Print only), Walraven, Pearson, Current edition
- Spiral notebook or similar for classroom notes and clinical site notes
- Black pens
- Uniform
- Stethoscope
- EMT scissors
- Penlight

Suggested Course Maximum:

30

List any specific or physical requirements beyond a typical classroom required to teach the course.

Skills lab, various manikins and EMS teaching aids

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Affective - 10%

Class Assignments– 10%

Chapter Tests- 15%

Major Exams- 35%

Final Exam- 30%

Grade Scale:

A= 90-100

B= 80-89

F= 0-79

Curriculum Checklist:

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course** – Attach the Core Curriculum Review Forms
 - Critical Thinking
 - Communication
 - Empirical & Quantitative Skills
 - Teamwork
 - Social Responsibility
 - Personal Responsibility
- WECM Course** – If needed, revise the Program SCANS Matrix and Competencies Checklist