

## Master Syllabus

### EMS 2300 - Critical Care Paramedic 1

**Division:** Health Sciences

**Department:** Emergency Medical Services

**Credit Hour Total:** 3.0

**Lecture Hrs:** 3.0

**Other Prerequisite(s):** Approval of Department , AND Other Paramedic

**Date Revised:** February 2017

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#### Course Description:

This course explores the technologically challenging area of critical care medicine. The use of advanced diagnostics such as arterial lines and swan ganz catheters and patient management skills such as ventilators, LVADs and advanced pharmacology will be explored.

#### General Education Outcomes:

- Critical Thinking/Problem Solving Competency

#### Course Outcomes:

##### Respiratory

Apply critical care concepts related to the monitoring, management and stabilization of patients requiring respiratory support.

**Assessment Method:** Locally developed exams

**Performance Criteria:** Achieve at least 70% on a locally generated exam covering respiratory care.

##### Pharmacology

Integrate the out of hospital concepts of critical care pharmacology into patient care management.

**Assessment Method:** Locally developed exams

**Performance Criteria:** Achieve at least 70% on a locally generated exam covering critical care pharmacology.

##### Cardiology

Apply critical care concepts related to the monitoring, management and stabilization of patients requiring cardiovascular support.

**Assessment Method:** Locally developed exams

**Performance Criteria:** Achieve at least 70% on a locally generated exam covering cardiovascular care.

#### Outline:

Critical Care pharmacology  
Cardiovascular emergency management  
Respiratory emergency management  
Cardiovascular monitoring  
Respiratory monitoring