

## Master Syllabus

### EMS 2100 - Applied Anatomy, Physiology & Pathophysiology for Emergency Medical Services Provider

**Division:** Health Sciences

**Department:** Emergency Medical Services

**Credit Hour Total:** 3.0

**Lecture Hrs:** 3.0

**Prerequisite(s):** BIO 1107 OR BIO 1121

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

**Date Revised:** February 2017

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#### Course Description:

This course provides the fundamental anatomy, physiology and pathophysiology information necessary to understand the care of the sick and injured at the paramedic level.

#### General Education Outcomes:

- Critical Thinking/Problem Solving

#### Course Outcomes:

##### Applied Pathophysiology

Apply knowledge of the pathophysiology of major human systems to the practice of EMS.

**Assessment Method:** Locally developed exams

**Performance Criteria:** The student will achieve at least a 70% on examinations covering pathophysiology.

##### Normal Anatomy and Physiology

Identify and describe the anatomy and normal physiology of human systems.

**Assessment Method:** Locally developed exams

**Performance Criteria:** The student will achieve at least a 70% on examinations covering anatomy and physiology.

##### Applied Anatomy and Physiology

Integrate knowledge of the anatomy and physiology of human systems to the practice of EMS.

**Assessment Method:** Locally developed exams

**Performance Criteria:** The student will achieve at least a 70% on examinations covering applied anatomy and physiology.

#### Outline:

Introduction to biology  
Anatomy by body system  
Physiology by body system  
Pathophysiology  
Integration with EMS