

Standardized Course Outline

Section I:

SUBJECT AREA AND COURSE NUMBER: EMT 116

COURSE TITLE: Anatomy & Physiology for Emergency Care Providers I

COURSE CATALOGUE DESCRIPTION: This course will focus on basic concepts of human anatomy and physiology. Content will review specific body systems with emphasis on homeostasis as well as disease process manifestation. This course is designed for the health care provider involved with emergency medical services.

LECTURE HOURS PER WEEK: 2

CREDIT HOURS: 2

LAB HOURS PER WEEK: 0

PREREQUISITES: Acceptance into the Paramedic Program or permission of instructor

SECTION II

- A. SCOPE: This course will assist the student to master terminology and basic concepts of human anatomy and physiology. Content will be presented in a format, which discusses each body system as it relates to anatomy and physiology with additional emphasis on clinical and health related topics. Disease process and patient manifestations will be discussed as they relate to patient care in the emergency medical services arena.
- B. REQUIRED WORK: Students will complete reading and outside work assignments, participate in group discussion and simulated laboratory sessions
- C. ATTENDANCE AND PARTICIPATION: Each student is expected to attend class on a regular basis. Promptness and class/lab participation are expected also.
- D. METHODS OF INSTRUCTION: Methods of instruction will include lecture, class discussion, collaborative learning, experimental/laboratory sessions, and student presentations.

E. OBJECTIVES, OUTCOMES and ASSESSMENTS

The following objectives and outcomes represent the department's core requirements for student achievement:

LEARNING OBJECTIVES	LEARNING OUTCOMES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:	As measured by:
1. Concepts of human body anatomy and physiology	<ul style="list-style-type: none"> ➤ Apply study skills for the organization and learning of relevant facts and information 	<ul style="list-style-type: none"> ➤ Tests and exams on subject matter ➤ Participation in class discussions ➤ Group collaborative learning ➤ Group presentations
2. Associated pathophysiology of disease process	<ul style="list-style-type: none"> ➤ Understand the concepts of pathophysiology as it relates to specific disease process ➤ Correlate this knowledge base in the clinical/lab setting 	<ul style="list-style-type: none"> ➤ Tests and exams on subject matter ➤ Participation in class discussions ➤ Group collaborative learning ➤ Group presentations ➤ Simulated lab sessions
3. Process of patient assessment in relation to all body systems' anatomy and physiology	<ul style="list-style-type: none"> ➤ Demonstrate competence with psychomotor skills required for patient assessment techniques 	<ul style="list-style-type: none"> ➤ Practical testing and exams on subject matter ➤ Participation in class discussions ➤ Group collaborative learning ➤ Simulated lab sessions
4. Patient management associated with emergent disease process	<ul style="list-style-type: none"> ➤ Apply critical thinking skills based on patient presentation ➤ Differentiating normal and abnormal anatomy and physiology concepts ➤ Utilize differential diagnosis methods to determine disease process 	<ul style="list-style-type: none"> ➤ Practical testing and exams on subject matter ➤ Participation in class discussions ➤ Group collaborative learning ➤ Simulated lab sessions ➤ Practical application in the clinical setting
5. Responsibility for his/her own learning	<ul style="list-style-type: none"> ➤ Attends class regularly and promptly ➤ Completes all assignments 	<ul style="list-style-type: none"> ➤ Attendance records ➤ Assignments records ➤ Class/lab participation ➤ Quizzes and exams ➤

F. TEXTS AND MATERIALS:

Required text will be: Anatomy & Physiology for Emergency Care
 Authors: Martini, Bartholomew and Bledsoe
 Prentice Hall Publishers, 2002

G. INFORMATION TECHNOLOGY: Typical classroom with multiple audiovisual equipment to include powerpoint capabilities and the use of the health careers laboratory area.