Standardized Course Outline

Section I:
Subject Area and Course Number: EMT 111

Course Title: Emergency Medical Technician-Paramedic I

Course Catalog Description: This course introduces the student to the role and responsibilities of the EMT-Paramedic. It is the first of three courses in which the student is provided with the fundamental knowledge and skills necessary to provide advanced life support to individuals of all ages requiring pre-hospital emergency care.

Lecture Hours per week: 7

Credit Hours: 9

Lab Hours per week (if applicable): 8

Prerequisites: Acceptance into the EMT-Paramedic certificate or Paramedic Studies Degree Program.

Section II

A. Scope: This course introduces the student to the role and responsibilities of the EMT-P. The student is provided with the fundamental knowledge and skills necessary to provide advanced life support to individuals of all ages requiring pre-hospital emergency treatment. Introductory elements of advanced patient assessment, advanced airway management, and general pathophysiology, begin the semester content. Emphasis is then placed upon pre-hospital respiratory and cardiovascular disease process.

Concepts of pharmacology and trauma are integrated into the discussion of each human system. Clinical and laboratory experiences are selected utilizing a major acute care health center in order to provide the student with opportunity to practice skills related to the emergency medical care of these patients. Specific clinical areas selected for student learning include: emergency department, critical care units, intravenous therapy department, respiratory therapy department, anesthesia department, and other medical-surgical units.

B. Required work: The students will be expected to participate in all classroom activities, group discussion, and homework assignments. In addition to in-class activities, the students will be required to satisfactorily participate in interactive laboratory sessions, hospital and pre-hospital clinical rotations.

C. **Attendance and Participation:** Students are expected to attend all classes and assigned clinical rotations.

D. **Methods of Instruction:**

Assigned Reading
Clinical Conferences
Lecture/Discussions
Multi-Media Teaching Aids
Peer Review
Small Group Discussion
Laboratory and Clinical Experience

E. Objectives, Outcomes and Assessment:

Program Goal : The goal of EMT 111 is to prepare students as competent entry level EMT-Paramedics through the acquisition of knowledge and skills necessary to provide pre-hospital emergency medical care to individuals potentially requiring Advanced Life Support in Shock, Respiratory and Cardiovascular emergencies.

LEARNING OBJECTIVES	**LEARNING OUTCOMES**	**ASSESSMENT METHODS**
To demonstrate an understanding of:	**Student will:**	**As measured by:**
1. The responsibility for full class participation	➢ Attend class on a regular basis ➢ Participate in collaborative groups and peer activities	➢ Attendance records ➢ Class records ➢ Assignment records ➢ Grade records
2. Concepts of human body anatomy and physiology	➢ Apply study skills for the organization and learning of relevant facts and information	➢ Tests and exams on subject matter ➢ Participation in class discussions ➢ Group collaborative learning ➢ Group presentations
3. Associated pathophysiology of disease process	➢ Understand the concepts of pathophysiology as it relates to specific disease process ➢ Correlate this knowledge base in the clinical/lab setting	➢ Tests and exams on subject matter ➢ Participation in class discussions ➢ Group collaborative learning ➢ Group presentations ➢ Simulated lab sessions

4. Process of patient assessment in relation to all body systems' anatomy and physiology and Emergency Medicine	➢ Demonstrate competence with psychomotor skills required for patient assessment techniques	➢ Practical testing and exams on subject matter ➢ Participation in class discussions ➢ Group collaborative learning ➢ Simulated lab sessions
5. Theory as it relates to the EMT-Paramedic National curriculum	➢ Understand the concepts of pathophysiology and theory as it relates to specific disease processes and trauma	➢ Tests and exams on subject matter ➢ Participation in class discussions ➢ Group collaborative learning ➢ Group presentations ➢ Comprehensive, summative program exam administered at the end of the program. ➢ Weekly internship journals.
6. The technical proficiency in all skills necessary to fulfill the role as EMT – Practitioner .	➢ Demonstrate competence with psychomotor skills required for patient care and assessment	➢ Group collaborative learning in laboratory settings ➢ Group presentations ➢ Hospital clinical performance ➢ Final practical exam ➢ National Registry Practical exam
7. Pathophysiology of disease process by correlating field care to theory learned in content of the patient in shock, respiratory and cardiovascular emergency conditions.	➢ Understand the concepts of pathophysiology and theory as it relates to specific disease processes and trauma	➢ Group collaborative learning in laboratory settings ➢ Group presentations ➢ Pre-hospital clinical performance ➢ Employer surveys ➢ National Registry Practical exam ➢ Comprehensive patient research project ➢

8. The affective domain of personal behaviors consistent with professional and employer expectations for the EMT-Paramedic	➢ Demonstrate the qualities of the professional paramedic in all aspects of patient care	➢ Employer surveys ➢ Summative evaluation of field performance

F. Texts and Materials (if required)

Sanders, Mick; Mosby's Paramedic Textbook, 3rd Edition
Mosby Lifeline

Huff, Jane; ECG Workout, 3rd edition
Lippincott, Philadelphia – New York

Garcio, Bill, Mosby's Emergency Dictionary, 2nd Edition
Mosby Publishing

American Heart Association, Textbook of Advanced Cardiac Life Support, 2000.

Bledsoe, Bryan; Clayden, Dwayne; and Papa, Frank;
Prehospital Emergency Pharmacology, Prentice-Hall,
5th Edition

Bickley, Lynn, Bates' Pocket Guide to Physical Examination and History Taking, Lippincott, 3rd edition

Miller, Charley, EMT-Paramedic National Standards Review – Self Test, 3rd Edition, Brady Publishing.

Uniforms and clinical supplies as described in syllabus

G. Information Technology: (if required) None required of the student.