

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: EMS 2611

COURSE TITLE: Paramedic Module I, Preparatory

PREREQUISITE(S): EMS 1119 and EMS 1401

COREQUISITE(S): BSC 2020C

CREDIT HOURS: 4

CONTACT HOURS/WEEK: 4

CONTACT HOUR BREAKDOWN:

Lecture/Discussion: 4

Laboratory:

Other _____:

FACULTY WORKLOAD POINTS: 4

STANDARDIZED CLASS SIZE ALLOCATION: 24

CATALOG COURSE DESCRIPTION:

This course is the first module in a three term sequence of instruction for the EMT-paramedic. Instruction includes fundamentals of paramedic practice, well-being, medico/legal aspects and pathophysiology.

SUGGESTED TEXT(S):

Paramedic Care: Principles and Practice Volume I,
Brady Publishing

Paramedic Care: Principles and Practice Volume I
Workbook, Brady Publishing

Prehospital Emergency Pharmacology
Pearson Education

IMPLEMENTATION DATE: January, 2001

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)
Fall Term, 2003 (20041)
Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS

CONTACT HOURS
PER TOPIC

- | | |
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| <p>I. The Role and Responsibilities of the
Emergency Medical Technician Paramedic</p> <p>A. The Health Care Professional</p> <ol style="list-style-type: none"> 1. Job Description 2. Education, Training and Experience 3. Special Characteristics <p>B. The Emergency Medical Service System</p> <ol style="list-style-type: none"> 1. The EMS Chain - A Continuum 2. Communications 3. Transportation 4. Definitive Care 5. Public Education 6. Recordkeeping and Evaluation 7. The EMS Continuum <p>C. National EMS Issues, Goals and Objectives</p> <ol style="list-style-type: none"> 1. The National Goal 2. Field Intervention Medicine-The "Third Service" 3. Strengthening the EMS System 4. Communications 5. Management and Evaluation <p>D. Prehospital Emergency Medical Care Identification</p> <ol style="list-style-type: none"> 1. The "Star of Life" EMS Symbol 2. Ambulance Colors and Markings <p>E. Issues Concerning the Emergency Medical Technician</p> <ol style="list-style-type: none"> 1. Medical Ethics 2. Medical Practice Acts 3. Good Samaritan Laws 4. Professional Criteria 5. Duty to Act 6. Consent 7. Abandonment 8. Medical Direction 9. Death and Dying <p>F. Synopsis of Legal Considerations in
Prehospital Care-Ayres</p> <ol style="list-style-type: none"> 1. Introduction 2. Patient Consent and the Law 3. A System for Determining Consent 4. Special Problems in Consent 5. Theories of Liability 6. Individual Responsibility 7. Counseling and Therapy | <p>12</p> |
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COURSE TOPICS (CONTINUED)	CONTACT HOURS <u>PER TOPIC</u>
II. Pathophysiology	40
A. General Principles of Pathophysiology B. Cellular Environment C. Disease D. Body's Defense	
III. Communications	4
A. Therapeutic Communications B. The Patient Interview C. Special Situations	
IV. Life Span Development	4
A. Infant B. School Age C. Adult	

PROGRAM TITLE: Emergency Medical Services-Associate's Degree
COURSE TITLE: Paramedic Module I, Preparatory
CIP NUMBER: 0317.020601

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

09.0 DEMONSTRATE EMPLOYABILITY SKILLS -- The student will be able to:

- 09.07 Identify acceptable work habits.
- 09.09 Demonstrate desirable health habits.
- 09.10 Recognize appropriate affective/professional behavior.

02.0 DEMONSTRATE THE ABILITY TO COMMUNICATE AND USE INTERPERSONAL SKILLS EFFECTIVELY --
The student will be able to:

- 02.01 Develop basic listening skills.
- 02.02 Develop basic observational skills and related documentation strategies in written and oral form.
- 02.03 Identify characteristics of successful and unsuccessful communication including barriers.
- 02.04 Respond to verbal and non-verbal cues.
- 02.05 Compose written communication using correct spelling, grammar, and format.
- 02.06 Use appropriate medical terminology and abbreviations.
- 02.07 Recognize the importance of courtesy and respect for patients and other health care workers and maintain good interpersonal relationships.
- 02.08 Recognize the importance of patient/client education regarding health care.
- 02.09 Adapt communication skills to varied levels of understanding and cultural orientation.
- 02.10 Demonstrate telephone usage including taking messages.
- 02.11 Demonstrate ability to give and follow directions.
- 02.12 Distinguish between factual reports and personal opinion.

03.0 DEMONSTRATE LEGAL AND ETHICAL RESPONSIBILITIES -- The student will be able to:

- 03.01 Discuss the legal framework of the health care occupation.
- 03.02 Explain the medical liability of health care workers.
- 03.03 Explain the patients' "Bill of Rights."
- 03.04 Describe a Code of Ethics consistent with the health care occupation.
- 03.05 Discuss the importance of maintaining confidentiality of information, including computer information.
- 03.06 Recognize the limits of authority and responsibility of health care workers.
- 03.07 Recognize and report illegal and unethical practices of health care workers.
- 03.08 Recognize and report abuse and neglect.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S): TITLES(S):

04.0 DEMONSTRATE AN UNDERSTANDING OF AND APPLY WELLNESS AND DISEASE CONCEPTS -- The student will be able to:

04.01 Develop a basic understanding of the structure and function of the body systems.

04.02 Identify personal health practices and environmental factors which affect optimal function of each of the major body systems.

04.03 Identify psychological reactions to illness including defense mechanisms.

04.04 Recognize the steps in the grief process.

04.05 Explain basic concepts of positive self image, wellness and stress.

04.06 Develop a wellness and stress control plan that can be used in personal and professional life.

04.07 Explain the nutrition pyramid.

05.0 RECOGNIZE AND PRACTICE SAFETY AND SECURITY PROCEDURES -- The student will be able to:

05.01 Demonstrate the safe use of medical equipment.

05.02 Recognize and report safety hazards.

05.03 Identify and practice security procedures for medical supplies and equipment.

05.04 Demonstrate proper body mechanics.

05.05 Demonstrate the procedure for properly identifying patients.

05.06 Demonstrate procedures for the safe transport and transfer of patients.

05.07 Describe fire safety and evacuation procedures.

07.0 RECOGNIZE AND PRACTICE INFECTION CONTROL PROCEDURES -- The student will be able to:

07.01 Demonstrate knowledge of medical asepsis and practice procedures such as handwashing and isolation.

07.02 Demonstrate knowledge of surgical asepsis as utilized in sterilization.

07.03 Describe how to dispose correctly of biohazardous materials, according to appropriate government guidelines such as OSHA.

10.0 DEMONSTRATE KNOWLEDGE OF BLOOD BORNE DISEASES, INCLUDING AIDS -- The student will be able to:

10.01 Distinguish between fact and fallacy about the transmission and treatment of diseases caused by blood borne pathogens including Hepatitis B.

10.02 Identify community resources and services available to the individuals with diseases caused by blood borne pathogens.

10.03 Identify "at risk" behaviors which promote the spread of diseases caused by blood borne pathogens and the public education necessary to combat the spread of these diseases.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S): TITLES(S):

- 10.04 Apply infection control techniques designed to prevent the spread of diseases caused by blood borne pathogens to the care of all patients following Centers for Disease Control (CDC) guidelines.
 10.05 Demonstrate knowledge of the legal aspects of AIDS, including testing.

12.0 DEMONSTRATE KNOWLEDGE OF THE PARAMEDIC PROFESSION--The student will be able to:

- 12.01 Define the role and responsibilities of the paramedic.
 12.02 Describe and contrast the differences between the various levels of training, from EMT to Paramedic.
 12.03 List current state requirements for paramedic certification and recertification.
 12.04 Discuss Chapter 401, Florida Statutes, and Chapter 10D-66, Florida Administrative Code.
 12.05 State the major purposes of a national association, a national registry, and professional journals.
 12.06 State the benefits of paramedics teaching in their community.
 12.07 Define continuing education, certification, licensure and registration.

13.0 DESCRIBE EMS SYSTEMS--The student will be able to:

- 13.01 Define and describe Medical Control and physician responsibility.
 13.02 Discuss pre-hospital stabilization of patients.
 13.03 Discuss the general differences between management of trauma and medical patients.
 13.04 Define and discuss protocols and their development.
 13.05 Describe the relationship between prehospital care and total patient care including the emergency department, and hospital specialty departments.
 13.06 Describe the continuum of patient care and the responsibilities of the paramedic within the transfer of patient responsibility.
 13.07 Discuss the development, implementation, and control of an EMS system.
 13.08 Discuss response of the EMS system including system access, dispatcher responsibilities, patient evaluation, medical command, and patient responsibility.
 13.09 Discuss promulgation of national standards such as KKK ambulance standards, and involvement of groups such as ASTM, NCSEMSTC, American College of Surgeons, American Medical Association Joint Review Committee, and the U.S. Department of Transportation.
 13.10 Discuss the various paramedic-physician relationships.
 13.11 Describe retrospective evaluation of patient care including run report review, continuing education, skill practice, and skill deterioration.
 13.12 Discuss the EMT-P's initial responsibilities when arriving on the scene.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S): TITLES(S):

14.0 DESCRIBE MEDICAL/LEGAL CONSIDERATIONS--The student will be able to:

- 14.01 Discuss the scope and significance of current national and Florida laws and administrative rules relating to the paramedic.
- 14.02 Discuss medical-legal concepts relating to the paramedic.
- 14.03 Discuss the need for accurate medical documentation and recordkeeping.
- 14.04 Discuss the extent to which force and restraint may be used to protect the patient, the Paramedic, and third parties.
- 14.05 Identify those circumstances that require the Paramedic to report incidents to law enforcement and/or other appropriate authorities.

15.0 DESCRIBE AND DEMONSTRATE EMS COMMUNICATIONS SYSTEMS--The student will be able to:

- 15.01 Describe the phases of communication necessary to complete a typical EMS event.
- 15.02 Define and describe essential communication equipment.
- 15.03 Describe various EMS communication systems and the advantages and disadvantages of each.
- 15.04 Describe factors affecting interference, range and clarity of base, vehicle and portable radio communications.
- 15.05 Describe the functions and responsibilities of the F.C.C.
- 15.06 Describe the functions and responsibilities of the EMS dispatcher.
- 15.07 Describe purposes and methods of verbal communication of patient information to the hospital and to the physician.
- 15.08 Organize a patient presentation in the proper order for radio transmission to the physician.
- 15.09 Describe the importance of written medical protocols and the written EMS run report.
- 15.10 Demonstrate the proper use of portable and mobile transmitter/receivers in a real or simulated patient situation.
- 15.11 Discuss uses of biotelemetry equipment.
- 15.12 Complete a written EMS report based on a real or simulated patient situation.

24.0 ASSESS AND MANAGE TRAUMA EMERGENCIES--The student will be able to:

- 24.01 Describe the general care and transportation of the trauma patient.
- 24.02 Describe the priorities of trauma care and triage with multiple patients.
- 24.03 Describe the anatomy, physiology, pathophysiology assessment, and management of trauma to all regions of the human body.
- 24.04 Describe and demonstrate methods of hemorrhage control.
- 24.05 Describe neurological examination, assessment, pathophysiology, and management.
- 24.06 Describe rapid on-scene management of the trauma patient.
- 24.07 Describe the components of a complete prehospital history and the significance of each.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S): TITLES(S):

- 24.08 Describe various types of splints that are used for immobilization of fractures and dislocations, their use and the advantages and disadvantages of each.
- 24.09 Describe the short and long backboard, the various state-of-the-art substitutes available, and their specific uses.
- 24.10 Describe various systems designed for scoring the severity of injuries to the trauma patient and contrast with them with the Florida Trauma Scorecard as identified in Chapter 10D-66, F.A.C.
- 24.11 Identify and describe the use of a trauma score in quantifying patient condition.
- 24.12 Demonstrate advanced methods of airway management and ventilation in the trauma patient.
- 24.13 Demonstrate decompression of a tension pneumothorax.
- 24.14 Demonstrate application of pneumatic anti-shock garment (MAST).
- 24.15 Describe and demonstrate physical examination of the trauma patient.
- 24.16 Demonstrate a neurological examination as performed on the trauma patient.
- 24.17 Demonstrate immobilization of the cervical spine.
- 24.18 Demonstrate splinting techniques.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

Section 1	
COURSE PREFIX AND NUMBER: <u>EMS 2611</u>	SEMESTER CREDIT HOURS: <u>4</u>
COURSE TITLE: <u>Paramedic Module 1, Preparatory</u>	

Section 2		
TYPE OF COURSE: (Click on the box to check all that apply)		
<input type="checkbox"/> AA Elective	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input type="checkbox"/> AAS Required Professional Course	<input checked="" type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____	<input type="checkbox"/> PSAV	<input type="checkbox"/> Apprenticeship
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

Section 3 (If applicable)		
INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:		
<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

Section 4					
INTELLECTUAL COMPETENCIES:					
<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input type="checkbox"/> Scientific Method of Inquiry	
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input checked="" type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively	

Section 5	LEARNING OUTCOMES	METHOD OF ASSESSMENT
•	Demonstrate knowledge of EMS systems	Exams and quizzes
•	Demonstrate knowledge of infectious diseases relating to EMS providers	Exams and quizzes
•	Demonstrate knowledge of the immune system	Exams and quizzes
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Section 6	
Name of Person Completing This Form: <u>Marcie Heatherington</u>	Date: <u>10/30/2007</u>