

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	EMS 1059
COURSE TITLE:	First Responders: Emergency Care Training
PREREQUISITE(S):	None
COREQUISITE(S):	None
STUDENT ADVISING NOTES:	Completion of a health care provider level CPR course, (Suggested Course: HED 0300 will meet this requirement)
CREDIT HOURS:	2
CONTACT HOURS/WEEK:	2.5
CONTACT HOUR BREAKDOWN:	
Lecture/Discussion:	2
Laboratory:	.5
Other _____:	
FACULTY WORKLOAD POINTS:	2.5
STANDARDIZED CLASS SIZE ALLOCATION:	30
CATALOG COURSE DESCRIPTION:	
	Designed specifically for the non-medical individuals who wish to learn basic life saving skills, this course provides students with basic skills necessary to save a life, minimize patient discomfort and prevent further injury. Upon successful completion of this course, students are qualified in basic life support and prepared to enter Fundamentals of Emergency Medical Care, as prerequisite skills are a part of the course content. This course may not be used as an elective by students entering the A.S. or paramedic certificate program.
SUGGESTED TEXT(S):	<u>First Responder, A Skills Approach</u> , Bergeron Brady, Current Edition
IMPLEMENTATION DATE:	Fall Term, 1983 (831)
REVIEW OR MODIFICATION DATE:	Summer Term, 1999 Fall Term, 2002 (20031) Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Introduction	3
A. Roles and Responsibilities	
B. Scope of Training	
C. Legal Aspects	
II. Overview of the Human Body	4
A. Body Systems	
1. Skeletal System and Body Cavities	
2. Muscular System	
3. Nervous System	
4. Respiratory System	
5. Circulatory System	
6. Digestive System	
7. Genitourinary System	
B. Topographic Anatomy	
1. Planes	
2. Directions	
3. Movements	
4. Postures	
III. Diagnostic Signs and Patient Examination	4.5
A. Signs vs. Symptoms	
B. Observations	
1. Pulse	
2. Respiration	
3. Temperature	
4. Skin Color	
5. Pupils	
6. Level of Consciousness	
7. Medical Identification Symbols	
C. Patient Examinations - Demonstration	
1. Initial Assessment	
a. State of Consciousness	
b. Respiration	
c. Pulse	
d. Bleeding	
e. Skin Temperature/Color	
2.	
a. Head	
b. Neck	
c. Chest	
d. Back and Buttocks	

COURSE TOPICS (CONTINUED)	CONTACT HOURS <u>PER TOPIC</u>
<ul style="list-style-type: none"> e. abdomen and Pelvis f. Upper Extremities g. Lower Extremities h. Medical Alert Symbols 	
D. Triage	
<ul style="list-style-type: none"> 1. Highest Priority 2. Second Priority 3. Lowest Priority 	
E. Practice	
<ul style="list-style-type: none"> 1. Conscious and Unconscious Victims 2. Primary Survey 3. Secondary Survey 	
 IV. Shock, Bleeding and Injuries to the Body	4.5
A. Mechanics of Circulation	
B. Shock - Signs and Symptoms	
C. Anaphylactic Shock	
D. Internal Bleeding	
E. External Bleeding	
F. Practice Session	
<ul style="list-style-type: none"> 1. External Bleeding Controlled by Direct Pressure 2. External Bleeding Controlled by Pressure Points 3. External Bleeding Controlled by a Tourniquet 4. Internal Bleeding from Liver on Spleen 5. Internal Bleeding from Disease 	
 V. Injuries to the Tissues and Internal Organs	1.5
A. Types	
<ul style="list-style-type: none"> 1. Closed and Open Injuries 2. Face and Scalp Injuries 3. Nosebleeds 4. Eye Injuries 5. Neck Injuries 6. Abdominal/Genitalia Injuries 7. Dressing and Bandaging 	
B. Practice - Dressings/Bandages	
<ul style="list-style-type: none"> 1. Arm/Leg 2. Elbow/Knee 3. Forehead/Scalp 4. Neck 5. Shoulder/Hip 	

COURSE TOPICS (CONTINUES)	<u>CONTACT HOURS PER TOPIC</u>
6. Eye (with Protruding Eyeball)	
7. Ear	
 VI. Injuries to the Extremities	 1.5
A. Skeletal System	
B. Types of Injuries	
1. Fractures	
2. Dislocations	
3. Sprains	
4. Upper Extremity	
5. Lower Extremity	
C. General Principles of Splinting	
D. Practice - Immobilization Techniques	
1. Fracture of the Clavicle or Scapula	
2. Fracture of the Humerus	
3. Dislocation of the Elbow	
4. Fracture of the Forearm	
5. Fracture of the Wrist	
6. Fractures of the Hand and Fingers	
7. Fracture of the Shaft of the Femur	
8. Fractures of the Hip	
9. Dislocation of the Knee	
10. Fracture of the Tibia/Fibula Shaft	
11. Fracture of the Ankle	
12. Fracture of the Foot	
 VII. Injuries to the Skull, Spine and Chest	 3
A. Skull and Brain	
1. Skull-Design	
2. Skull Fractures-Types	
3. Signs and Symptoms	
4. Emergency Care	
5. Facial Fractures	
B. Spine	
1. Design	
2. Signs and Symptoms	
3. Emergency Care	
C. Chest	
1. Design	
2. Types	
D. Practice - Patient Examination and Emergency Care	

COURSE TOPICS (CONTINUED)	CONTACT HOURS <u>PER TOPIC</u>
VIII. Injuries to the Extremities	1.5
<ul style="list-style-type: none"> A. Skeletal System B. Types of Injuries <ul style="list-style-type: none"> 1. Fractures 2. Dislocations 3. Sprains 4. Upper Extremity 5. Lower Extremity C. General Principles of Splinting D. Practice - Immobilization Techniques <ul style="list-style-type: none"> 1. Fracture of the Clavicle or Scapula 2. Fracture of the Humerus 3. Dislocation of the Elbow 4. Fracture of the Forearm 5. Fracture of the Wrist 6. Fractures of the Hand and Fingers 7. Fracture of the Shaft of the Femur 8. Fractures of the Hip 9. Dislocation of the Knee 10. Fracture of the Tibia/Fibula Shaft 11. Fracture of the Ankle 12. Fracture of the Foot 	
XI. Injuries to the Skull, Spine and Chest	3
<ul style="list-style-type: none"> A. Skull and Brain <ul style="list-style-type: none"> 1. Skull - Design 2. Skull Fractures - Types 3. Signs and Symptoms 4. Emergency Care 5. Facial Fractures B. Spine <ul style="list-style-type: none"> 1. Design 2. Signs and Symptoms 3. Emergency Care C. Chest <ul style="list-style-type: none"> 1. Design 2. Types D. Practice - Patient Examination and Emergency Care <ul style="list-style-type: none"> 1. Skull Injury 2. Chest Injury 3. Spinal Injury 	

COURSE TOPICS (CONTINUED)	<u>CONTACT HOURS PER TOPIC</u>
X. Medical Emergencies	3
A. Heart Conditions	
1. Cardiac Function	
2. Heart Attack (Myocardial Infarction)	
3. Angina Pectoris	
4. Congestive Heart Failure	
B. Stroke	
1. Signs and Symptoms	
2. Emergency Care	
C. Diabetic Conditions	
1. Diabetic Coma	
2. Insulin shock	
D. Epilepsy (Seizures)	
1. Condition	
2. Emergency Care	
XI. Poisons and Drugs	1
A. Ingested Poisons	
B. Inhaled Poisons	
C. Bites and Stings	
D. Alcohol	
E. Drugs	
XII. Emergency Childbirth	1
XIII. Environmental Emergencies	3
A. Burns	
1. Types	
2. Rule of Nine	
B. Exposure to Heat	
C. Exposure to Cold	
XIV. Extrication and Moving Patients	3
A. Types of Accepted Carries	
B. Pinned Patients	
C. Electrical Hazards	
D. Overturned Vehicles	
E. Practice	
1. Direct Ground Lift (without Spinal Injury)	
2. Direct Ground Lift (With Spinal Injury)	
3. Extremity Lift	

LIST PERFORMANCE STANDARD ADDRESSED:

- | NUMBER(S): | TITLE(S): |
|------------|--|
| 01.0 | <u>DEMONSTRATE KNOWLEDGE OF THE HEALTH CARE DELIVERY SYSTEM AND HEALTH OCCUPATIONS</u> -- The student will be able to: |
| 01.01 | Identify the basic components of the health care delivery system. |
| 01.02 | Describe the various types of health care providers and the range of services available. |
| 01.03 | Describe the composition and functions of a health care team. |
| 01.04 | Identify the general roles and responsibilities of the individual members of the health care team. |
| 01.05 | Develop a basic understanding of human needs throughout the lifespan. |
| 01.06 | Explain the importance of maintaining professional competence through continuing education. |
| 01.07 | Describe trends affecting the delivery system of health care. |
| 02.0 | <u>DEMONSTRATE THE ABILITY TO COMMUNICATE AND USE INTERPERSONAL SKILLS EFFECTIVE</u> --
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 | <u>DEMONSTRATE LEGAL AND ETHICAL RESPONSIBILITIES</u> -- 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. |
| 04.0 | <u>DEMONSTRATE AN UNDERSTANDING OF AND APPLY WELLNESS AND DISEASE CONCEPTS</u> -- The student will be able to: |
| 04.01 | Develop a basic understanding of the structure and function of the body systems. |

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S):

TITLE(S):

- 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.

06.0 RECOGNIZE AND RESPOND TO EMERGENCY SITUATIONS -- The student will be able to:

- 06.01 Monitor and record vital signs.
- 06.02 Describe legal parameters relating to the administration of emergency care.
- 06.03 Obtain and maintain BLS skills of basic rescuer or higher.
- 06.04 Demonstrate basic understanding of first aid and emergency care.
- 06.05 Recognize adverse drug related emergencies and take appropriate first aid action.

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.
- 10.02 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.
- 10.03 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.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S):

TITLE(S):

10.05 Demonstrate knowledge of the legal aspects of AIDS, including testing.

11.0 APPLY BASIC MATH AND SCIENCE SKILLS -- The student will be able to:

11.01 Draw, read, and report on graphs, charts and tables.

11.02 Measure time, temperature, distance, capacity, and mass/weight.

11.03 Make and use measurements in both traditional and metric units.

11.04 Make estimates and approximations and judge the reasonableness of the result.

11.05 Convert from regular to 24 hour time.

11.06 Demonstrate ability to evaluate and draw conclusions.

11.07 Organize and communicate the results obtained by observation and experimentation.

11.08 Ask appropriate scientific questions and recognize what is involved in experimental approaches to the solution of such questions.

11.09 Calculate ratios.

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.

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.

17.0 DESCRIBE MAJOR INCIDENT RESPONSE -- The student will be able to:

17.01 Define mass casualty incident (MCI) and when it should be declared.

17.02 Describe the "pre-planning phase" and "response planning".

17.03 Discuss MCI communications.

17.04 Describe the components of special resources.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S):

TITLE(S):

17.05 Describe the function of "scene command", "scene triage", and the "transferring command function".

17.06 Describe section and staging management and a system for patient identification.

17.07 Discuss on-scene medical control.

19.0 USE MEDICAL TERMS SPECIFIC TO EMS -- The student will be able to:

19.01 Read, write, use and respond correctly to terms specific to EMS.

19.02 Read, write, use and respond correctly to abbreviations specific to EMS.

STUDENT COMPETENCIES:

I. Skills Lab Competencies

Skills Lab. The student will receive fifteen hours of didactic clinical instruction. They are expected to master the following skills.

1. Perform patient assessment on conscious and unconscious victims
2. Perform Basic Life Support on adult, child and infant
3. Demonstrate techniques to relieve airway obstruction
4. Ability to control external hemorrhage
5. Dress and bandage wounds using aseptic technique
6. Ability to immobilize fractures, dislocations and sprains of the upper and lower extremities
7. Immobilization technique for a patient with a suspected spinal injury
8. Ability and demonstrated knowledge of various patient carries and lifts



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 1059</u>	SEMESTER CREDIT HOURS: <u>2</u>
COURSE TITLE: <u>First Responders: Emergency Care Training</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 checked="" 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		METHOD OF ASSESSMENT
	LEARNING OUTCOMES	
•	Demonstrate knowledge of patient assessment procedures	Exams
•	Demonstrate proficiency in CPR procedures	Exams, skills demonstration
•	Demonstrate proficiency in bandaging and splinting	Skills evaluation
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Section 6	
Name of Person Completing This Form: <u>Marcie Heatherington</u>	Date: <u>10/30/2007</u>