

EMC 110
INTRODUCTION TO EMERGENCY MEDICAL CARE
CREDIT HOURS: 6
Crs 10776, kbems 0060404
Co-requisite EMC 104, 1 credit hour

COURSE DESCRIPTION: Prehospital basic life support concepts, skills, and field clinical experience for entry level Emergency Medical Technician-Basic adhering to national and state curricula. Meets eligibility requirements for state certification and national registration examinations.

REQUIRED TEXTS:

Crosby, L. A. & Lewallen, D. G. (eds.) (2001). Emergency Care and Transportation of the Sick and Injured (8th.ed.). American Academy of Orthopaedic Surgeons: Rosemont, IL.

Crosby, L. A. & Lewallen, D. G. (eds.) (2001). Emergency Care and Transportation of the Sick and Injured (8th.ed.). Student workbook. American Academy of Orthopaedic Surgeons: Rosemont, IL.

Crosby, L. A. & Lewallen, D. G. (eds.) (2001). Emergency Care and Transportation of the Sick and Injured (8th.ed.). Student review manual. American Academy of Orthopaedic Surgeons: Rosemont, IL.

OPPITIONAL TEXTS:

Crosby, L. A. & Lewallen, D. G. (eds.) (1995). Emergency Care and Transportation of the Sick and Injured (6th.ed.). Student pocket skills guide. American Academy of Orthopaedic Surgeons: Rosemont, IL.

Chandra, N. C. & Hazinski, M.F. (Eds.) (1994). Textbook of basic life support for health care providers. American Heart Association: Dallas, TX.

REQUIRED SUPPLIES: Pocket mask with one-way valve and oxygen inlet approved by instructor.

CLASS SCHEDULE: MW 1800-2200 DIZNEY 238 &242
LAST DAY TO DROP: REFER TO COURSE SCHEDULE
INSTRUCTOR: Jimmy Cornelson, BS, EMT-P, EMT-INSTRUCTOR
OFFICE/PHONE: DIZNEY 231; 622-6338 program secretary 622-1028
OFFICE HOURS: AS POSTED ON OFFICE DOOR AND BY APPOINTMENT

ADDITIONAL COURSE REQUIREMENTS:

Evidence of current American Heart Association CPR course completion for the healthcare provider on or before the end of the fourth week of class. **EMC 104 is a co-requisite for this course.**

It is expected that students will practice required skills on an independent basis in the Basic Lab (Dizney 242). Lab hours will be posted on the door to the Lab.

Vehicle extrication field exercise will be scheduled on a Saturday during the semester. Active participation in this exercise is required.

Clinical application of patient care skills is required. Students must complete ten hours of observation/experience with an assigned hospital or EMS agency. Transportation to and from the agency is the student's responsibility. Documentation of completion of clinical is required.

COURSE OBJECTIVES: Objectives for the course are listed at the beginning of each chapter in the textbook. The course contains seven modules with multiple chapters comprising the modules.

PHYSICAL ABILITY REQUIREMENTS: Eastern Kentucky University does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services. The EMT-Basic often functions in a hostile environment independent of supervision and/or assistance. In order to successfully complete this course and be eligible for state certification and national registration the student must be able to complete:

WITHOUT ASSISTANCE (defined as without supplemental accommodation of persons or devices other than that which is necessary to accomplish the required task)

- Airway management (invasive and non-invasive)
- Airway suctioning
- CPR (single rescuer adult/child/infant)
- Defibrillation
- Manual cervical immobilization
- Medication administration: select correct drug, manipulate delivery device, deliver medication correctly.
- Obstetric delivery and newborn resuscitation
- Obtaining and evaluating vital signs (HR, BP, Respirations, Temperature)
- Physical assessment (initial and focused)
- Practice "Universal Precautions" using personal protective equipment

WITH ASSISTANCE (defined as employing the directed aid of others)

- CPR (1 and 2 rescuer basic life support)
- Dressing/Bandaging
- Extrication and associated devices
- Hemorrhage control
- Lifting/moving techniques a minimum 125 pounds alone, 250 pounds assisted
- Spinal immobilization and Splinting

DISABILITY STATEMENT: If there is any student in this class who is in need of academic accommodations and who is registered with the Office of Students with Disabilities, please make an individual appointment with the course instructor to discuss accommodations. Upon individual request, this syllabus can be made available in alternative forms. If any individual who is not registered with the Office of Services for Individuals with Disabilities has need of academic accommodations, please contact the Office directly either in person on the first floor of the Turley House or by telephone at (859) 622-1500 V/TTY.

UNIVERSITY INCLEMENT WEATHER SCHEDULE: Class will meet at 6PM unless the university is closed.

COURSE POLICIES:

Attendance: Attendance is required for all classes. A maximum of two (2) absences may be excused if all skills and knowledge covered in the missed lesson are made up. Make up must be scheduled within 1 week of the missed class. More than two absences will receive an administrative failure.

Workbook & Review Manual: Bring workbook and review manual to each scheduled examination date for grading during the testing period. Incomplete assignments will receive a score of zero. No work will be accepted after scheduled date.

Quizzes: May be given at any time and may not be made up. When given quizzes will become part of the unit examination score.

Examinations: There will be five modular examinations. An excused absence must be made up within one week from original test date. Make up exams may be different from primary exam. Exams may be written, psychomotor, or both.

Skills: Psychomotor skill obtainment must be demonstrated periodically throughout the course. Failure to successfully demonstrate competence in EMT-Basic skills will preclude qualification to sit for state and national examinations.

EVALUATION METHODS:

10%	Review Manual and Workbook (review and workbook all or nothing)
5%	Clinical Evaluation
5%	Extrication Field Exercise
5%	Practical examination skills performance
<u>75%</u>	Module Exams (5 exams @ 15% each) Final Exam is Module 5 exam
100%	Total

GRADES:

A	92– 100	B	84 – 91	C	76– 83	D	68– 75	F = 67 and below
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An overall average of “C” is required for Pre-EMC majors to proceed through the curriculum. A minimum overall grade of 80% on examinations is required to be eligible for Kentucky EMT-Basic Certification.

General Requirements for Course Completion

Cognitive	You must receive passing grades on all module exams as well as the final exam. The minimum passing score is 76%.
Affective	You must demonstrate self-confidence, emotional stability, good judgement, and a pleasant manner in communicating with patients as well as conscientiousness and interest in the course.
Psychomotor	All skills in each testing session must be proficiently demonstrated with mastery necessary for the final practical exam.
Kentucky Certification:	Students successfully completing the course will receive a grade for a six-hour college course.

If the student wishes to become certified as a Kentucky EMT-B then they must:

1. Meet instructor approval for attendance, grade, and skills level required of the Kentucky Board of Emergency Medical Services.
2. Sit for optional State Board Practical Examination.
3. If successful in (2) above then take the National Registry of EMTs Written Examination.
4. Pay all cost, **\$105 in total**, for application, testing, and certification as follows.

The student is responsible for completing applications and providing ‘certified checks’ or money orders of \$20.00 to NREMTs at end of course plus a total \$85.00 to The Kentucky State Treasurer:

- 1) **\$10 EMT-B Application within 10days of course start and**
- 2) **\$25 certification & \$50 testing fees at end of course.**

Individuals cannot be certified if they have ever been convicted of a felony charge, are not 18 years of age, or do not hold a high school diploma or GED.

Course Schedule

	<u>Date</u>	<u>Class</u>	<u>Topic</u>	<u>Reading Chapters</u>
W	8/25	1	MODULE 1 PREPARATORY	1-6
M	8/30	2	Patient assessment intro. Patient lifts & moves	
W	9/1	3	Infection control, AIDS. Baseline Vitals, SAMPLE	
W	9/8	4	Medical legal ethical issues, The human body	
			MODULE 2 AIRWAY	7&38
M	9/13	5	Unit 1 EXAM , Airway	
W	9/15	6	Adjuncts, Ventilation, & Oxygen equipment	
M	9/20	7	Adjuncts, Ventilation, & Oxygen equipment	
			MODULE 3 PATIENT ASSESSMENT 8-9	
W	9/22	8	Unit 2 EXAM	
M	9/27	9	Scene Size-up and Initial Assessment	
W	9/29	10	Patient Assessment TRAUMA, Skills lab	
M	10/4	11	Patient Assessment MEDICAL, Skills lab	
W	10/6	12	Communications & Documentation	
Fall break no classes Monday or Tuesday-----				
			MODULE 4 MEDICAL behavioral/ob/gyn 10-20	
W	10/13	13	Unit 3 EXAM , Medical Emergencies Pharmacology	
S	10/16		Enrichment, Vehicle Extrication 0900 @ Richmond Fire Training Center	
M	10/18	14	Respiratory, Cardiac	
T	10/19		Last day to withdraw from a full semester class!	
W	10/20	15	Neurologic, Acute Abdomen, Diabetic	
M	10/25	16	Allergies, Envenomations & Poisoning	
W	10/27	17	Environmental, Behavioral	
M	11/1	18	OB Gynecological emergencies	
Election Day , honor those who fought and died for your freedom, go and vote! No classes				
W	11/3	19	MODULE 5 TRAUMA	21-30
			Unit 4 EXAM Kinematics of Trauma	
M	11/8	20	Trauma Bleeding and Shock	
W	11/10	21	Soft tissue, Eye, Face & Throat Injuries	
M	11/15	22	Chest, Abdomen & Genitalia	
W	11/17	23	Musculoskeletal Care	
M	11/22	24	Trauma, Injuries to Head and Spine	
			THANKSGIVING HOLIDAYS	
			MODULE 6&7 Special Populations/Operations 31-37	
M	11/29	25	Infants and children-medical/trauma	
W	12/1	26	Geriatric Assessment/ operations	
M	12/6	27	Unit 5 FINAL COURSE EXAM modules 5-7	
W	12/8	28	Skills testing/practice	
S	12/11		STATE BOARDS PRACTICAL EXAM TESTING 0800	
M	12/13		NREMT Written Examination 1800-2000 (May be rescheduled depending on availability of exam proctor.)	