

UMBC UGC New Course Request: EHS 102 – Emergency Medical Responder

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Proposed Effective Date: Fall 2016

	Name	Email	Phone	Dept
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COURSE INFORMATION:

Course Number(s)	EHS 102
Formal Title	Emergency Medical Responder
Transcript Title (≤30c)	Emergency Medical Responder
Recommended Course Preparation	None
Prerequisite NOTE: Unless otherwise indicated, a prerequisite is assumed to be passed with a "D" or better.	None
Credits	3
Repeatable?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Max. Total Credits	3 This should be equal to the number of credits for courses that cannot be repeated for credit. For courses that may be repeated for credit, enter the maximum total number of credits a student can receive from this course. E.g., enter 6 credits for a 3 credit course that may be taken a second time for credit, but not for a third time. Please note that this does NOT refer to how many times a class may be retaken for a higher grade.
Grading Method(s)	<input checked="" type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

PROPOSED CATALOG DESCRIPTION (no longer than 75 words):

The Emergency Medical Responder (EMR) course is an entry-level emergency medical course that prepares the responder to assess and stabilize a medical or trauma patient prior to the arrival of an ambulance. Topics include introduction to EMS, roles and responsibilities, anatomy and physiology, medical emergencies, trauma, and special considerations. The course is appropriate for non-EHS majors working with at-risk populations, groups, in an institutional setting, or seeking an introduction to emergency medical care.

RATIONALE FOR NEW COURSE:

The Emergency Health Services Department would like to offer the Emergency Medical Responder course for individuals who are interested in the healthcare field and would like to get training in hands on patient care. This course is one level of training less than our Emergency Medical Technician (EMT) course that we currently offer over two semesters to obtain the full breadth and knowledge needed as an EMT. The EMT course sequence can be very difficult for non-EHS majors to take, such as BIO, HAPP, CHEM and others as well. This will be a one (1) semester hybrid course, that will meet once a week for hands on patient skills practice and to explain concepts in further detail that they didn't understand throughout the week in the online format. All exams will be taken in class and there will be a final written and practical exam. If the student chooses and remains eligible throughout the course they can receive national and state certification as an Emergency Medical Responder.



EHS – 102 Syllabus Fall 2016

Mon/Hybrid.....TBD. (Sherman Hall Rm. 305)

MIEMSS course number #

Faculty

Instructor: Gary B. Williams, Jr., B.S., NRP
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Medical Director: Matthew Levy, DO, M.S., NRP
EHS Dept. Chair: Bruce J. Walz, PhD
Program Director: Dwight A. Polk, MSW, NRP

Course Description

The Emergency Medical Responder (EMR) course is an entry-level emergency medical provider course. The Emergency Responder course prepares the EMR student to provide emergency prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMRs, anatomy and physiology, medical emergencies, trauma, and special considerations for working in the prehospital setting.

Course Objectives

At the completion of this program you should be able to:

1. Describe the roles of EMS in the health care system.
2. Demonstrate the professional attributes expected of EMRs.
3. Perform the roles and responsibilities of an EMR with regard to personal safety and wellness, as well as the safety of others.
4. Perform the duties of an EMR with regard for medical-legal and ethical issues, including functioning under medical direction and within the scope of practice.

5. Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.
6. Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.
7. Assess and manage patients of all ages with a variety of complaints, medical conditions and traumatic injuries.
8. Apply principles of emergency medical services operations, considerations, multiple casualty incidents, gaining access to and extricating patients, hazardous materials incidents, and responding to situations involving weapons of mass destruction.

Required Textbooks

AAOS, Emergency Medical Responder, 5th Edition with Navigation 2 access; Jones and Bartlett BLS For Healthcare Providers – with CD, American Heart Association

Course Evaluation Criteria

Students will be evaluated by their performance on exams, quizzes, homework assignments, class participation, and their execution during practical evaluations.

Quizzes based on the material covered in class and in the assigned reading will be given frequently and without notice.

Grading

Students are responsible for all material covered in the assigned texts, lab sessions, and class/online sessions. Any assignment which is completed late without the Instructor's previous knowledge and approval will automatically result in a score of 0% being awarded. In order for a student to be eligible for the Maryland State and National Registry exam students must pass the course with a C or above.

- A 100 - 90
- B 89 - 80
- C 79 - 70
- D 69 - 60
- F 59 - 0

Module Examinations:	60% of grade
Class Participation:	15% of grade
Quizzes:	20% of grade
Ride-a-long paperwork:	5% of grade

Class Participation

Class participation will account for 15% of your overall grade. This grade will be calculated on class attendance which will be assessed on late attendance as well as classes missed. Also evaluated will be your participation in class discussions and skills practice.

Reading Assignments

All reading assignments should be completed before the week that it is noted on the course syllabus. As an example if during Session 2 the reading assignment is to complete Chapters 3 & 4 then prior to showing up to class on the date noted beside Session 2 those chapters should be read completely.

On-line Quizzes

The following are the instructions for taking the on-line quizzes.

1. Quizzes can be found under the Quizzes tab on the blackboard site.
2. You will have 48 hours to complete the quiz once it opens up on blackboard.
3. You will have 1 attempt at taking the quiz.
4. You will have 15 minutes to take the quiz and then the program will shut down.
5. You will not be able to return to previously answered questions so please make sure you are satisfied with your answer prior to moving on to the next question.
6. You will not be able to pause the quiz and come back to it; the quiz must be completed once you start taking it.
7. Please do not use anyone's brain but your own.
8. Textbooks and notes will be allowed during the quiz.

Module Examinations

Module Examinations will account for 60% of your overall grade. At the end of each module you will be evaluated on both your knowledge and skill level. Knowledge level will be evaluated by a 50 question written exam. Skills will be evaluated by a Pass/Fail practical evaluation.

Clinical Laboratory

A clinical laboratory will be held in part with EHS 102 and account for a part of the course grade. You will be evaluated based on your mastery of the skills taught and reviewed in the lab sessions. Students must wear appropriate clothing for participation in physical activities commonly encountered by EMS providers. Students will be working on the floor, in the ambulance simulator, and various other locations. Students are also encouraged to provide their own stethoscope. Any student not able to participate as a partner in the lifting of a normal adult male should discuss his or her continued participation in EHS 102 with their advisor and the laboratory instructor. Temporary medical conditions preventing full participation in laboratory exercises must be documented with a note from a licensed health care professional clearly stating the extent and time frame of limited activity.

If a student has a **LATEX ALLERGY**, they must notify the instructor immediately.

At the conclusion of each lab session, students will be expected to assist with the cleaning, restocking, and replacement of all laboratory supplies and equipment.

CPR

CPR training is included in this course. An extra fee of \$12 per student will be assessed to pay for the card and course administration. Payment for this can be either check or cash and paid on the day of the CPR class.

Attendance

Attendance to class sessions is vital to making sure you gain all knowledge that is expected of you. Attendance is mandatory for those students seeking certification as an EMR. **More than three (3) absences will result in failure of the course despite performance, if you are seeking certification.** Special circumstances will be evaluated by the instructor on a case-by-case basis; however, all course work will still need to be completed. A missed session may be made up at the Instructor's discretion at a time and location convenient for both parties.

Students will be required to notify the instructor in advance if they will be unable to attend a class session. If an examination is given or an assignment is due, the student must make arrangements prior to the missed class. If this notice is not provided to the instructor, prior to class, a score of 0% will be awarded. This notice must be in writing, except for emergency situations.

Attendance to class sessions is vital to making sure you gain all knowledge that is expected of you. Not only are attending classes important, but showing up on time to class is just as important. Once you graduate from this program/university your employer will expect you to be at your place of employment at a certain time, and your tardiness will have an effect on not only you but whomever you are inconveniencing by showing up late.

Therefore, tardiness and unexcused absences in this class will result in a negative impact on your grade. Each student will start with 100 points for your attendance grade. If you are never late for class, or do not have any unexcused absences you will finish with all 100 points at the end of the semester for your attendance grade. If you are tardy for class, definition of tardy is not in your seat ready to start at 1 second past the start time of class, you will receive a deduction from your attendance grade for each occurrence. Your first 3 tardies will result in a 5 point deduction for each occurrence. Each tardy after your first 3, will result in a 10 point deduction from your attendance grade. Each unexcused absence will result in a 10 point deduction from your attendance grade.

Maryland & National Registry testing eligibility criteria

A minimum score of 70% on all modular written and practical exams and an overall minimum score of 70% in the course is necessary for the student to be eligible to take the NREMT Emergency Medical Responder (EMR) certification exams.

The NREMT EMR cognitive exam is a computer adaptive test (CAT). The number of items a candidate can expect on the Emergency Medical Responder (EMR) exam will range from 80 to 110. The maximum amount of time given to complete the exam is 1 hour 45 minutes.

The exam will cover the entire spectrum of EMS care including: Airway, Respiration & Ventilation, Cardiology & Resuscitation; Trauma; Medical & Obstetrics/Gynecology; and EMS Operations. Items related to patient care are focused on adult and geriatric patients (85%) and pediatric patients (15%). In order to pass the exam, you must meet a standard level of competency. The passing standard is defined by the ability to provide safe and effective entry level emergency medical care.

The cost for the NREMT EMR CAT examination is \$65.00.

Payment of all testing fees is not included in the tuition or fees assessed by UMBC. They are the responsibility of the student.

The scores achieved by the student on the NREMT EMR certification examinations are not included in the grade for EHS 102.

Make Up Exams

All students expecting to take the NREMT Emergency Medical Responder exam who fail a modular written or practical exam must successfully make up these exams. Students who fail more than two modular exams are not eligible to take the NREMT Emergency Medical Responder examination.

At the completion of each of the modules, a multiple choice written exam will be given, consult the course schedule for the dates of these examinations. Students will be required to achieve a passing score on each written and practical examination. Students will be allowed to re-test a failed module one time in an effort to achieve a passing score. The average grade between your initial test and the make-up test will become your new modular grade on record. Students who fail to achieve a passing score on any re-test will be ineligible for the National Registry EMR written and practical examinations per MIEMSS. Any student who fails three (3) modular exams, even if he/she passes the re-test on the first two, will also be ineligible.

A practical skills evaluation resulting in an unsatisfactory grade must be repeated following retraining. Students are required to successfully complete the practical evaluation of each module to be eligible for the Maryland and National Registry EMR practical examination. Practical skills evaluations are graded Pass/Fail. Retests may be conducted by the instructor at a mutually convenient time.

EMR Ride-a-long & Affiliation requirements

Ride-a-long

Each student will be required to complete one (1) ambulance ride-a-long shift, either 8 or 12 hours, with either the Baltimore City Fire Department (BCFD) or Anne Arundel Fire Department (AAFD). The purpose of this ride-a-long will be to serve as an orientation to what the Emergency Medical Responder will do in the field and how they can assist the Emergency Medical Technician (EMT) or Paramedic on the scene of an emergency.

Affiliation

Students are required to join a volunteer EMS organization providing an EMR or higher level of care in order to obtain a Maryland EMR certification card. Individuals who have not affiliated at the time they take the NREMT EMR test will receive a letter in the mail from MIEMSS indicating successful completion once they have passed the written and practical examinations. These same individuals may receive Maryland EMR certification upon submitting to MIEMSS a completed affiliation form. Once the course is completed, questions about certifications, affiliation, and related areas should be directed to MIEMSS at 410-706-3666. **START WORKING ON AFFILIATIONS IMMEDIATELY.**

Optional Equipment

As a potential EMR and an active pre-hospital provider, it is important that you practice disease prevention measures. Though all the equipment and supplies needed for practicing patient care are provided for your use in class, frequent use of some equipment can cause its natural deterioration and may inhibit your learning. Using your own equipment during practice helps reinforce your learning as you become accustomed to the specific functions of your equipment. While the items below are not required, it is **STRONGLY SUGGESTED** that they be purchased.

- Pocket face mask with HEPA filter and one-way valve
- Stethoscope
- Pocket penlight
- EMS Shears

Most of these items can be purchased or ordered through a local pharmacy or medical supply company. Prices may vary depending on the style or brand chosen.

Use of Computers during Class

Students should have a computer or tablet available for use in the classroom. Use of the computer or tablet shall be limited to lab evaluations, student note taking, instructor directed research, or to facilitate recording group activities and preparation of reports.

Pandemic

In the event of a pandemic situation related to the H1N1 virus, the instructor reserves the right to alter the course schedule, requirements, and/or the method of course delivery.

Immunizations & Malpractice Insurance

Students will be assessed a fee for malpractice insurance, which will show up on the student's UMBC account. It is approximately \$15 and varies from year to year. This insurance will be in effect while the student is attending Department of EHS approved clinical experiences only. Malpractice insurance will generally be available for a student once they join a volunteer or career EMS Organization. Consult with the appropriate company officer within the organization for more information. Generally, Department of EHS and UMBC malpractice insurance is not in effect once a student affiliates with an EMS Organization, as that company then assumes responsibility.

For their own protection, students are encouraged to update their immunizations status. Contact the UMBC University Health Services for information on lower cost immunizations. Particular attention should be paid to the following:

Hepatitis B	PPD test
Tetanus toxoid	MMR
Varicella titer	

It is highly recommended that the student begin the Hepatitis B series prior to beginning ride-alongs.

Students as victims

Since the nature of this course is to learn to assess and treat sick and/or injured persons in a hands-on setting, rather than in a sterile didactic environment, students must agree to function as victims for their classmates on a rotational basis. Every effort will be made to ensure the dignity of each student. Inappropriate actions or statements by students related to other students who have volunteered to function as a "victim" will not be tolerated. Proper apparel will be discussed by the Instructor. Realizing that some students are reluctant to function as a "victim" initially, each student will be expected to participate fully in the class. A student cannot learn to do patient assessments correctly except by performing them on a person, and that person will be another student enrolled in the class. Also, students will be expected to provide volunteer victims for the practical examination at the end of class. **Please keep this in mind and begin to recruit now.**

Classroom behavior

The purpose of having a classroom is to allow direct, real time personal interaction between the instructor and the students. In order for this to occur, it is necessary for students to share in the educational process. This can only occur if students are attentive and focused. Such behaviors as talking, reading, working on assignments for other classes, and even sleeping, indicate to the

instructor that students are not interested or willing to take responsibility for their education. Any student engaging in a behavior the instructor feels is disruptive to the learning environment will be asked to leave the class.

Netiquette

Hey, prof, I'm in ur online course... i need more time for the essay...is this ok?

What is netiquette?

Netiquette is set of guidelines to help you communicate effectively and appropriate in online environments with your instructor and your classmates.

Why do we need guidelines?

You probably communicate with your friends and family in many ways -- via text message, chat, Facebook and email. These types of communication channels are fast and easy to use, but how we talk to each other using them is very different than how we should communicate with each other in a professional environment. When you don't meet your instructor or classmates in person, everything they know about you is based on how you communicate with them in messages, emails, chats and discussion board postings... so it's important not to offend or alienate anyone deliberately or accidentally. Netiquette guidelines will help you!

Behind Every Name There is a Person:

- * Respect the privacy of your classmates and what they share in class.
- * Ask classmates for clarification if you find a discussion posting offensive or difficult to understand.
- * Avoid sweeping generalizations. Back up your stated opinions with facts and reliable sources.
- * Understand that we may disagree and that exposure to other people's opinions is part of the learning experience.
- * Be respectful of each other. We're all in this together. Before posting a comment, ask whether you would be willing to make the same comment to a person's face.
- * Keep in mind that everything you write, indeed every click of your mouse is recorded on the network server. On the Internet there are no take backs.
- * Keep in mind that you are taking a college class. Something that would be inappropriate in a traditional classroom is also inappropriate in an online classroom.

Basic Online Communication:

- * Be aware that typing in all capital letters indicates shouting.
- * Be careful with humor and sarcasm. Both can easily be misunderstood!
- * Review all discussion postings before posting your own to prevent redundancy [and repetition].
- * Check your writing for errors by reviewing what you've written before submitting it.
- * Acronyms (LOL, etc.) and emoticons (smiles) are commonly used online, but be careful not

to overuse them.

REMEMBER... many communications with your instructor or fellow students are best handled through the Discussion Boards: please use email if the question is confidential. By posting so everyone can read it, your fellow students can all benefit from your question and the answer.

Academic Integrity and Professional Ethics

Academic integrity is an important value at UMBC and the Department of Emergency Health Services. By enrolling in this course, each student assumes the responsibilities of an active participant in UMBC's scholarly community in which everyone's academic work and behavior are held to the highest standards of honesty. Cheating, fabrication, plagiarism, and helping others to commit these acts are all forms of academic dishonesty, and they are wrong. Academic misconduct could result in disciplinary action that may include, but is not limited to, suspension or dismissal. To read the full Student Academic Conduct Policy, consult the UMBC Student Handbook, the Faculty Handbook, or the UMBC Policies section of the UMBC Directory. Rigorous standards allow UMBC students, faculty, and administrators, as well as scholars and employers in the larger community, to trust that the work that students submit is the fruit of their own learning and academic effort.

All members of the UMBC community are expected to make a commitment to academic honesty in their own actions and with others. Academic misconduct could result in disciplinary action that may include suspension, dismissal from the paramedic program, or dismissal from UMBC. The following activities are examples of academic misconduct that are not tolerated by UMBC. Other situations will be considered on an individual basis and reviewed as to whether the incident violates the standards set forth as an EMS professional.

- | | |
|-----------------------|-------------------------------------|
| 1. Cheating | 5. Illegal substance use |
| 2. Lying | 6. Plagiarism |
| 3. Unethical behavior | 7. Fabrication |
| 4. Stealing | 8. Facilitating academic dishonesty |

Students are expected to behave in a manner consistent with the UMBC *Policy for Academic Misconduct in Undergraduate Courses* and the *Student Conduct Code*. Both of these documents are contained in the schedule of classes and the UMBC web page. Student work submitted for credit should be original in nature. Work submitted for credit in another course will not be accepted for credit in this course.

EHS 102 – Emergency Medical Responder

I, _____, have received a copy of the Fall 2016 – *EHS 102 Course Syllabus & Class Schedule*. I have reviewed the information contained within these documents, and have informed the Instructor of any questions or concerns that I may have.

Furthermore, I acknowledge that I have fully read and understand the course requirements as set forth in the attached Course Syllabus and Class Schedule.

Student Printed Name

Student Signature

Date

EHS 102 - Emergency Medical Responder Fall 2016

Session	Date	Topic	Reading Assignment	Online Course work
Unit 1 - Preparatory				
1	9/5/2016	Introduction and Syllabus Review	Chapter 1 & 2 & 3	Complete quizzes for Chapters 1, 2 and 3
		Navigate 2 introduction & overview		
2	9/12/2016	Patient lifting and moving skills	Chapter 18	Complete quiz for Chapter 18
3	9/19/2016	Anatomy and Physiology skills	Chapter 4 & 5	Complete quiz for Chapters 4 & 5
Unit 2 - Airway Management & CPR				
4	9/26/2016	Airway Management skills	Chapter 6	Complete quiz for Chapter 6
5	10/3/2016	Airway Management skills		
6	10/10/2016	CPR for Healthcare Provider Certification	Chapter 7 & AHA HCP CPR	Complete quiz for chapter 7
Unit 3 - Patient Assessment				
7	10/17/2016	Patient Assessment skills	Chapter 8	Complete quiz for chapter 8
Unit 4 - Medical Emergencies				

8	10/24/2016	Medical Emergencies	Chapter 9 & 10	Complete quizzes for Chapters 9 & 10
9	10/31/2016	Medical Emergencies	Chapter 11 & 12	Complete quizzes for Chapter 11 & 12
Unit 5 - Trauma Emergencies				
10	11/7/2016	Trauma skills lab	Chapter 13	Complete quiz for Chapter 13
11	11/14/2016	Trauma skills lab	Chapter 14	Complete quiz for Chapter 14
Unit 6 - Special Populations				
12	11/21/2016	Pediatric, Geriatric, Special Needs	Chapter 15 & 16 & 17	Complete quizzes for Chapters 15, 16 & 17
Unit 7 - Operations				
13	11/28/2016	MCI, NIMS, Triage Practice	Chapter 19 & 21	Complete quizzes for Chapters 19 & 21
14	12/5/2016	Skills Lab Practice	Chapter 20	Complete quiz for Chapter 20
		- Review skills lab		
15	12/15/2016	Skills Lab Practice		
		- Review all skills		