Fall 2016
EMS 101 – Basic I

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Office hours by appointment

SYLLABUS
Emergency Medical Technician – Basic
(4 credits)

Text:

Course Description:
This course covers the theory and techniques of basic emergency care in the pre-hospital setting and follows the EMT-B curriculum guidelines of the US Department of Transportation. Topics include EMS systems, the National Incident Management System (NIMS), roles and responsibilities, medical and legal concepts, patient assessment, airway management, CPR, automated external defibrillation, communication and proper documentation, musculoskeletal trauma, soft tissue trauma, bleeding and shock. Hours: 43 lecture and 36 laboratory. Prerequisite: BIO 115 (may be taken concurrently with EMS 101). Usually offered in the fall and spring.

Objectives:
This course adheres to the National EMS Educational Standards for EMT.

Upon completion of the course the student will:

<table>
<thead>
<tr>
<th>Course Objective</th>
<th>Assessment Goals</th>
<th>Assessment Strategies</th>
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</table>
| 1. List the components of an EMS system. GEO 3 Program Goal: 4, 5 | A. Define EMS System  
B. Discuss the various EMS provider levels  
C. Discuss citizen involvement in EMS  
D. List the various levels of trauma centers | 1. Exam 1 questions  
2. Final Exam |
| 2. Demonstrate the utilization of the incident command system (NIMS) on an incident. GEO 1 | A. List the levels of the ICS  
B. Define span of | 1. Lab Scenario  
2. Exam 1  
3. Final Exam |
| 2 | Program Goal: 4 | control | C. Given a scenario, utilize the ICS |
| 3. Describe the roles and responsibilities of the EMT. Relate principles of ethics, professionalism and medical legalities to the role of the EMT. **GEO 1, 2 & 3** | A. Define ethics, norms, morals, profession, professional, professionalism, consent, medical direction and negligence. | 1. Lab scenario  
2. Exam 1  
3. Final Exam |
| Program Goal: 4, 5 | B. Contrast licensure and certification | |
| | C. List renewal requirements within the State | |
| | D. Discuss online and offline medical direction. | |
| | E. Demonstrate the use of protocols. | |
| 4. Discuss the importance of the EMT having a basic knowledge of anatomy and physiology. **GEO 4** | A. Define Anatomy and Physiology |
| Program Goal: 1, 2, 3 | B. List the components of the musculoskeletal, integumentary, cardiovascular, respiratory and nervous system. | 1. Exam 2  
2. Lab Scenario  
3. Final Exam |
| | C. Label the structures of the upper airway | |
| | D. Identify the bones of the body. | |
| 5. Demonstrate the proper airway management of a patient. **GEO 2, 3 & 4** | A. Demonstrate the use of various basic airway adjuncts on a simulated patient. | 1. Lab Scenario  
2. Exam 2  
3. Final Exam |
| Program Goal: 1, 2, 3 | B. Demonstrate opening the airway. | |
| | C. Demonstrate suctioning the airway. | |
| | D. Describe the various oxygen delivery devices. | |
| 6. Utilizing various patient interview methods, obtain the chief complaint, a SAMPLE history and history of present | A. Discuss SAMPLE | 1. Lab Scenario  
2. Exam 2  
3. Final Exam |
<p>| B. Define empathy and sympathy | |
| C. Compare open ended | |</p>
<table>
<thead>
<tr>
<th>Exercise</th>
<th>Description</th>
<th>Task Details</th>
<th>Exams</th>
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</table>
| 7. | Employ the techniques of a physical exam on a simulated patient. **GEO 4 Program Goal: 1, 2** | A. Perform a detailed focused exam  
B. Perform a rapid trauma assessment  
C. Discuss frequent assessment findings encountered by an EMS provider  
D. Discuss breath sounds  
E. Record a set of vital signs | 1. Lab scenario  
2. Exam 2  
3. Final Exam |
| 8. | Given a simulated patient encounter, provide adequate documentation for the EMS encounter. **GEO 1, & 4 Program Goal:3** | A. Describe how to complete a complete patient care report  
B. Discuss SOAPE  
C. Evaluate the importance of a thorough patient care report | 1. Lab scenario  
2. Exam 3  
3. Final Exam |
| 9. | Adhering to current guidelines, demonstrate appropriate CPR principles to a cardiac arrest patient. **GEO 3 & 4 Program Goal: 2, 3** | A. Demonstrate one rescuer and two rescuer CPR on an infant, child and an adult.  
B. Demonstrate the proper use of an AED  
C. Demonstrate rescue breathing  
D. Define the chain of survival  
E. Demonstrate the techniques of FBAO removal | 1. AHA BLS for healthcare providers certification exam  
2. Final Exam |

**Course Requirements:**

For successful completion of the course, students are expected to:

1. Complete all course assignments with a minimum grade average of 75%;
2. Complete all required written examinations;
3. Demonstrate proficiency in all required skills stations for the course;
4. Complete an electronic research assignment;
5. Complete all homework assignments;
6. Abide by the attendance policy of the program; and
7. Actively participate during in-class discussions.

**Examination Policy:**

Students are expected to complete all examinations. The course will consist of 3 module exams and a cumulative final exam. Examinations will consist of material taken from the text and class discussions. All material from the text may not be covered in class; however, the student has the responsibility of reading the text and such material may be present on the exams. Exams will be in the form of multiple-choice questions. A score of 75% is required to pass the module exams. If a student fails to achieve 75%, the student is permitted to retake the examination once. If a student fails the retest opportunity, then the student will receive a grade of F for the course. Failure of any two module examinations will result in automatic failure of the course.

**Emergency Information Statement:**

In the event of severe inclement weather or other emergency, information about the closing of the college will be communicated via e2Campus and the College's website. Faculty will communicate with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via Blackboard. Students will be responsible for completing all assignments in accordance with class policies.
Grading Policy:

The student’s final grade will be determined by the following:

- **Examinations**: 300 points
- **Research Assignment**: 50 points
- **Attendance/Participation**: 50 points
- **Homework/Quizzes**: 50 points
- **Final Exam**: 100 points
- **Skills Check**: Pass/Fail
- **Total Points**: 550 points

The student’s grade is computed by taking the percentage of points earned by total points possible. Letter grades are awarded as follows:

- **A** = 90 – 100%
- **B** = 80 – 89%
- **C** = 75 – 79%
- **F** = < 75%

Attendance/Participation (*GEO 9*):

Attendance will be taken at the beginning of each class. The EMS 101 course is an accelerated course and a student’s attendance at all class sessions is highly recommended. The student will be permitted to miss two lecture sessions. It must be understood that a session is classified as being either a morning or afternoon time period and not an entire Saturday. Thus, missing one Saturday will be considered as missing 2 sessions. Missing any additional sessions will result in automatic failure of the course. Students are expected to have completed all necessary reading prior to the class session to ensure active participation in class discussions.

Lateness to any class session is unacceptable. A student will be considered late if they arrive 15 minutes after the start of the class session. A student may be late on 1 occasion without penalty. All subsequent acts of lateness will result in the student being required to make an oral presentation on a topic of the instructor’s choice to the class at the next class session.

Suspension of Classes:

In the event of a flu epidemic or other emergency that results in the suspension of classes, faculty will be communicating with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via faculty websites or Blackboard. Students will be responsible for completing all these assignments in accordance with class policies. Information about the resumption of classes will be communicated via the College’s website and email system.
Writing Assignment (GEO 1, 3, 4 & 5):

Each student is required to complete a written research assignment. The student is required to access the Media Center’s electronic database and utilize at least three (3) electronic sources. The student is required to pick a topic and discuss it with the instructor during the first week of classes. All papers must be the student’s own work (see Academic Honesty/Plagiarism). The assignment must consist of 3 pages (not including the title page and works cited page), typed, double-spaced, 12 font with 1 inch margins and must include a title page and works cited page. All papers must be in APA format. All topics must be approved by the instructor. A due date for this paper will be announced by the instructor. Papers turned in late will receive a 5-point penalty for each day after the due date. No assignments will be accepted 1 week after the due date.

CPR Certification:

CPR certification will be offered as a component of this course. If a student wishes to receive a certification card, the student shall bring $10 to the instructor to cover processing and the cost of the card. It is requested that the student bring exact change. Please allow 2 weeks for your cards to be delivered, pending successful completion of the certification examination.

Academic Integrity (GEO 9):

Academic integrity is expected of all students. Cheating and plagiarism are violations of academic integrity. Any student who has violated the academic honesty policy will be denied credit for the assignment, and then the matter will be turned over to the Student-Faculty Disciplinary Committee. Documented evidence of the offense will be kept in the Emergency Medical Services Department office.

Plagiarism is defined as copying or imitating the language, ideas or thoughts of another author and presenting them as one’s original work or the copying of another’s words in any medium without documenting the borrowing and thus failing to give credit to the original author in proper format (such as MLA or APA documentation format). Each instructor will be available for consultation regarding any confusion a student may have before submitting an assignment. Students are encouraged to use all available resources, including the instructor, assignment directions, handouts, suggested web resources and media center and/or writing center staff for help in avoiding plagiarism.

Cheating is defined as the act of obtaining information or data improperly or by dishonest or deceitful means. This includes the intentional use or attempted use of unauthorized materials, information or study aids in any academic exercise. This ALSO includes helping or attempting to help another student to cheat or submitting the same paper for two different classes without the explicit authorization/approval of both instructors, etc. (see college catalog). Each instructor will be available for consultation regarding any confusion a student may have before submitting an assignment.

Computer usage policy: All students logging into Blackboard affirm that they understand and agree to follow Wor-Wic Community College policies regarding academic integrity and the use of College resources as described in the college catalog. Wor-Wic Community College considers the following as violations of the computer usage policy:
• Using the campus computing network and facilities to violate the privacy of other individuals
• Sharing of account passwords with friends, family members or any unauthorized individuals

Violators are subject to college disciplinary procedures.

**On-Line Course Evaluation**

The College has selected SmartEvals as its vendor to conduct online end-of-course evaluations. SmartEvals maintains the highest level of security with the evaluation information, and the information resides only on SmartEvals’ computer servers. Faculty are unable to identify individual evaluations, and any data which has the potential to reveal the identity of a student (i.e. the only male in a class) is blocked from viewing.

You will receive automated emails from SmartEvals reminding you to complete your evaluations, and the timing of the emails is in compliance with anti-spam guidelines. The emails discontinue once all of your evaluations are completed.

You will be able to access the evaluations through the link in the SmartEvals email or by clicking on “course evaluation” in the left menu of your Blackboard course website. The evaluations are only active during designated times at the end of the semester.

Disable the pop-up blockers on your internet browser in order to access the evaluation. Your cooperation in completing the online evaluation at the designated time is greatly appreciated. The results from the course evaluation provide valuable feedback to your instructor in order to make changes as needed with curriculum and teaching. Please direct any questions about the online course evaluation system to Hope Ellis at hellis@worwic.edu

**Services for Students with Disabilities**

Wor-Wic provides reasonable accommodations for students with disabilities, in compliance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. If you are in need of accommodations, please contact the counseling office at (410) 334-2899. For more information, see Wor-Wic's Services for Students with Disabilities web page.
## Wor-Wic Class Schedule – Fall I 2016

<table>
<thead>
<tr>
<th>Date</th>
<th>Course Assignments</th>
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<tbody>
<tr>
<td>9/10/16</td>
<td>Introduction; medico-legal; medical terminology; well-being of the EMT; lifting and moving</td>
</tr>
<tr>
<td>9/13/16</td>
<td>Anatomy; physiology</td>
</tr>
<tr>
<td>9/17/16</td>
<td>A&amp;P; pathophysiology; life span development</td>
</tr>
<tr>
<td>9/20/16</td>
<td>Review; <strong>TEST</strong>; Assessment intro</td>
</tr>
<tr>
<td>9/24/16</td>
<td>Vitals, SAMPLE; trauma; medical; ongoing; Lab: Skills</td>
</tr>
<tr>
<td>9/27/16</td>
<td>Communications &amp; Documentation; Review</td>
</tr>
<tr>
<td>10/1/16</td>
<td><strong>TEST</strong>; Lab: Skills Practice; Airway; CPR</td>
</tr>
<tr>
<td>10/4/16</td>
<td>Lab: Skills practice</td>
</tr>
<tr>
<td>10/8/16</td>
<td>Bleeding; Shock; Soft Tissue Injuries; Lab: Skills Practice</td>
</tr>
<tr>
<td>10/11/16</td>
<td>Musculoskeletal Injuries</td>
</tr>
<tr>
<td>10/15/16</td>
<td>Lab: Skills; Head &amp; Spine Injuries; Chest &amp; Abdomen Injuries; Lab: Skills practice</td>
</tr>
<tr>
<td>10/18/16</td>
<td>Lab: Skills practice; review; <strong>TEST</strong></td>
</tr>
<tr>
<td>10/22/16</td>
<td>Lab: Skills practice; review; EMS 101 Final</td>
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