



**Emergency Medical Technician - Intermediate Course (AEMT)**  
**University of New Mexico**  
**Emergency Medical Services Academy**

**SYLLABUS**

**Course Number: EMS 143-501**  
**Course Location: UNM Valencia 115**  
**Class Meeting Days : M/W 0900-1530**

**Instructor: Rayna Beck**  
**Phone: 505-925-8602**  
**Office Hours: M/W 1530-1600**  
**E-mail: RABECK@unm.edu**

**COURSE DESCRIPTION**

This AEMT/EMT-Intermediate course meets the National EMS Education Standards for the AEMT level. The course additionally includes the New Mexico EMT-Intermediate Scope of Practice. The course is designed specifically for emergency medical personnel who have access to specialized emergency vehicles and emergency rooms. The course content gives emergency medical personnel the knowledge and skills to recognize and stabilize patients with life-threatening emergencies at the scene and during transport.

**COURSE GOALS**

1. The student will demonstrate understanding of profession of Emergency Medical Services
2. To gain a working knowledge of the human body, (anatomy and physiology)
3. To recognize signs and symptoms of various diseases, and their treatment.
4. To develop the ability to make decisions, under duress, during an emergency.
5. To successfully perform the skills needed in an emergency.
6. To develop a personal and professional ethical code concerning the treatment and care of others.
7. To attain entry level competence as an Advanced EMT/EMT-Intermediate.

**STUDENT OUTCOMES**

1. The student will be able to discuss the development of EMS systems
2. Describe the roles of EMS in the health care system.
3. Demonstrate the professional attributes expected of AEMTs.
4. Perform the roles and responsibilities of an AEMT with regard to personal safety and wellness, as well as the safety of others.
5. Perform the duties of an AEMT with regard for medical-legal and ethical issues, including functioning under medical direction and within the scope of practice.



6. Apply principles of anatomy, physiology, pathophysiology, life span development, and therapeutic communications to the assessment and management of patients.
7. Identify the need for and perform immediately lifesaving interventions to manage a patient's airway, breathing, and circulation utilizing the full AEMT/EMT-Intermediate scope of practice.
8. Assess and manage patients of all ages with a variety of complaints, medical conditions, and traumatic injuries.
9. Apply principles of emergency medical services operations, including considerations in ambulance and air medical transportation, multiple-casualty incidents, gaining access to and extricating patients, hazardous materials incidents, and responding to situations involving weapons of mass destruction.
10. Understand pharmacology and the EMT-Intermediate/AEMT scope of practice medications.

### **TEXTBOOKS**

Required: Hunt, Rhonda, Mejia, A. (2018) *AAOS Advanced Emergency Care and Transportation of the Sick and Injured 4<sup>th</sup> Edition*. Burlington, MA: Jones and Bartlett 2021. ISBN-13: 978-1284228137

*Note: Students are responsible for the information contained in each of the assigned readings, course handouts, as well as lecture content. Additional online information may be required to review as part of the course.*

### **ADDITIONAL REQUIREMENTS**

Required Immunizations, Background Check, Drug Screen, Health Insurance and Provider Level CPR Certification

### **REQUIRED READING ASSIGNMENTS**

Students are required to stay current with reading assignments in the *AAOS Advanced Emergency Care and Transportation of the Sick and Injured 4<sup>th</sup> Edition* that are pertinent to each lecture and lab prior to the class covering that topic. This provides the necessary framework to organize the information presented in class. It is the responsibility of the student to cross reference the pages that correspond in their textbook with learning objectives. Furthermore, students are highly encouraged to seek out other sources of information.

### **SOURCES OF INFORMATION**

With regard to learner education and testing of course material, the rank of importance of various sources of information will be:

1. Textbook and Lead Instructor information, to include, but not limited to lecture and lab sessions
2. Instructor handouts
3. Reading assignments
4. Other published references to include online media
5. Personal experience

### **GRADE ASSIGNMENT**



All students who complete the course will receive an academic grade. A final cumulative score of **73%** in the respective weighted areas below will constitute a passing grade. This applies to academic and non-academic (certificate) students. Students who take this course through a college for credit, will show this course on a college transcript with the associated grade, non-academic (certificate) students will not have this course on a transcript.

For academic grading purposes, the following will be calculated for an academic grade:

- 30%** for the average between Quizzes/Assignments/participation/attendance at the instructor's discretion in relation to those specific areas\*\*\*
- 50%** for the cumulative average score of the Ten (10) Block Exams
- +20%** for the score of the Comprehensive Final Exam
- 100%**

**NOT** every student will receive a course completion certificate based on the academic grade for that student. For example: it is possible to earn a letter grade for academic credit and not be eligible to earn an AEMT/EMT-Intermediate course completion certificate.

A cumulative average of 73% of the above reflects a passing academic grade however failure to meet/pass the **AEMT Course Completion Certificate Requirements** below will still result in a failure to earn a course completion certificate.

**Note:** \*\*\*The Lead Instructor may assign different learning activities and percentages associated with them for up to 30% of the cumulative course grade for any or all of the following: attendance, participation, quizzes or assignments.

#### **EXTRA CREDIT**

Extra credit will be determined by the Lead Instructor of the course and will not exceed the value of 1 quiz or assignment grade. Extra credit will not be used to replace an exam.

#### **AEMT COURSE COMPLETION CERTIFICATE REQUIREMENTS**

The following additional requirements are necessary to achieve a course completion certificate as a NM AEMT/EMT-Intermediate and deem the student eligible to take a State and/or National exam.

1. 73% or higher cumulative average score on the ten (10) Block Exams
  - Students must achieve a passing score on all blocks (except block 1)
    - If a student fails block 1 they must retest it, but if the retest is not successful it will not be considered an exit point in the course
  - If a student fails a block exam they must retest and pass the block with a 73% or higher
    - All block exam retests must be completed prior to the final course exam
    - Failure of a block exam retest (except block 1) constitutes failure of the course
2. 73% or better on the Comprehensive Final Exam
3. Verified competency in all Course Psychomotor Skills.
4. Successful completion of all clinical requirements



5. A current provider level CPR card.
6. No more than three (3) missed classes or a total of 12 hours.
7. Maintaining Professional Behavior at all times\*

\*The student is expected to behave in a professional manner throughout the entire course during all activities. Each student will be evaluated both directly and indirectly in didactic, laboratory, and clinical sessions. The student must show a professional affective behavior in all areas in order to show competency. Failure to maintain a professional behavior will result in dismissal from the AEMT/EMT-Intermediate Course.

### **FINAL APPROVAL OF COURSE COMPLETION CERTIFICATION**

The Instructor Coordinator will submit certificate eligibility documentation (psychomotor, clinical, and numeric score/course grades) as determined by syllabus grading policy to be eligible for certification to the EMS Academy (the program). The program will determine final certification eligibility based on all requirements to earn a certificate. The final decision to issue a course completion certificate will be based upon the program's assessment of each student in conjunction with the academic judgement of the lead Instructor Coordinator.

### **EXAMINATIONS**

All exams will be administered and proctored by your Lead Instructor or additional instructor designee. There will be ten (10) Block Exams. All exams will be delivered using an online platform in order to best prepare students for the national registry computer based exam. \*Approval must be obtained from the EMS Academy Director or designee with note to alternative method of delivery if an online method of exam delivery is not an option.

1. Students must pass each block exam with a minimum score of 73%.
2. 73% or higher cumulative average score on the Seven Block Exams is required
  - Students must achieve a passing score on all blocks (except block 1)
    - If a student fails block 1 they must retest it, but if the retest is not successful it will not be considered an exit point in the course
  - If a student fails a block exam they must retest and pass the block with a 73% or higher
    - All block exam retests can be completed at any point in the course but **must** be completed prior to the final course exam
    - Failure of a block exam retest (except block 1) constitutes failure of the course
  - It is highly recommended that the student and instructor develop a study plan before an exam is re-tested.
3. One Comprehensive Final Exam will be given and will cover all course material.
  - Any and all retests must be completed prior to the final exam.
  - Each student must score a 73% or better to pass the Comprehensive Final Exam to become eligible to move onto the clinical component of the course.
  - Students are allowed 1 re-test on the comprehensive final exam and must pass with a minimum of a 73%, a score lower than a 73% will result in failure of the course.



## QUIZZES

1. Quizzes may be administered throughout the course.

## COURSE PSYCHOMOTOR SKILLS

The Lead Course Instructor will determine student competency based on learners' performance of the skill evaluated via the associated Psychomotor Skill Sheet.

By the end of the course the Lead Instructor will verify competency in each of the following skills and additionally the Lead Instructor will sign or complete the required documentation and turn it in to the EMS Academy:

1. SQ/IM Medication Administration
2. Intravenous Therapy
3. Traction Splint
4. Inhalation Medication Administration
5. Intranasal Medication Administration
6. Intravenous bolus Medication
7. Continuous Positive Pressure (CPAP) Device
8. Pediatric & Adult Intraosseous Infusion
9. Airway Management
10. Oxygen Administration
11. Ventilatory Management
12. Pediatric Respiratory Compromise
13. Supraglottic/multi-lumen/laryngeal Airway Devices
14. Cardiac Arrest Management/AED
15. Bleeding Control Shock Management
16. Long Bone Immobilization
17. Joint Immobilization
18. Spinal Immobilization Supine
19. Spinal Immobilization Seated
20. Patient Assessment/Management- Trauma
21. Patient Assessment/Management- Medical

Additional skills will be evaluated throughout the course.

## PERFORMANCE OF INVASIVE SKILLS

No invasive skills (Supraglottic, LMA, Semi-automatic Defibrillation, IVs, SQ/IM injections, etc.) may be performed until you have met the following requirements. **Doing so may result in immediate dismissal.** Successfully completed the course and received an AEMT certificate.

1. Successfully completed the National Registry psychomotor and written exams and received an AEMT license from the NM EMS Bureau
2. The approval of your Service's Medical Director.



***The performance of invasive and strenuous skills will be required in the lab and clinical portion of the course. The clinical portion of the course will be the only time the student may perform invasive skills outside of the class when the above requirements have not been met.***

### **CLINICAL REQUIREMENTS**

1. **TWO WEEKS AFTER THE START DATE OF CLASS** all students will have completed and have on file with the EMS Academy:
  - a. CCHSP Background check
  - b. 10-panel UA Drug Screen
  - c. Up-to-date immunizations (including COVID)
  - d. Proof of medical insurance
  - e. Provider CPR card

**The above requirements must be completed within the first two weeks from the start of the course or the student will be dismissed from the course for failure to comply with clinical requirements.**

2. The Lead Instructor or a Clinical Educator will organize clinical supervision for all students during the clinical experience.
3. A minimum of 20 patient assessments. Assessments must include at least 1 of each of the following: chest pain, respiratory, altered mental status. Assessments will include all age groups including pediatric, adult and geriatric. At least 1 team leadership experience should be documented.
4. A minimum of 15 successful IV initiations in during the clinical experience (10 to be performed live in labs prior to the clinical experience)
5. A minimum of 8 medication administrations must be completed during the clinical experience
6. Specific clinical requirements will be addressed in the clinical notebook and reviewed with the students by the Lead Instructor.
7. All clinicals will be approved by the Emergency Medical Services Academy Clinical Coordinator.  
***Any student who contacts one of the services, hospitals or clinics, or schedules their own shifts will be dismissed immediately.***

### **CLINICAL UNIFORM**

Students must adhere to the clinical uniform at all times. Students who arrive to the clinical site improperly dressed will be sent home.

1. Black EMS pants or slacks, absolutely no jeans (not even black jeans) or torn clothing.
2. Black boots or all black shoes and socks with no logos or other colors anywhere on the shoe.
3. Black belt must be worn.
4. Unless a shirt is provided by or required to be purchased from the EMS Academy the following is to be worn for the appropriate clinical level:
  - a. EMT – Black polo or button up black collared shirt.
  - b. AEMT – Red polo or button up red collared shirt.
5. An undershirt must be white or black without visible logos showing through the over shirt.



6. Students already affiliated with a service may wear a badge shirt/service uniform in place of the polo or button up shirt and black EMS pants as long as they are clearly identified as a student via badge, name tag etc.
7. As a part of the uniform the student must carry with them their clinical notebook and a pen. Additionally, a stethoscope is highly recommended.
8. All tattoos will be covered at all times.
9. If applicable all facial hair will be clean shaven.

### **CLINICAL EXPERIENCE COMPLETION**

Once the student has completed their clinical requirements they have 48 hours to turn in their clinical notebook to the Lead Instructor. Once the Lead Instructor reviews and submits the proper course documentation the students information will be submitted to the EMS Academy Representative responsible for NREMT approval. The approval process takes about 2 weeks. During that time the student should set up their NREMT account and pay the testing fee. Students will need to keep checking their NREMT account on <http://www.nremt.org/> and once they have been approved they will have to schedule a test date with Pearson VUE. Further questions related to Computer Based Testing can be answered at <https://www.nremt.org/document/cognitive-exams>

### **ATTENDANCE**

An AEMT/EMT-Intermediate student is NOT allowed to miss more than a total of twelve (12) hours of class time (excluding COVID absences) to be eligible to earn a Course Completion Certificate.

### **READING ASSIGNMENTS**

Students should read the chapter assignments that are pertinent, prior to the lecture covering that topic. This provides the necessary framework to organize the information presented in the lectures.

### **LATE WORK**

No late work will be accepted.

### **ACADEMIC HONESTY**

Academic dishonesty includes, but is not limited to, cheating or copying, plagiarism (claiming credit for the words or works of another from any type of source such as print, Internet or electronic database, or failing to cite the source), fabricating information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. If the UNM EMS Academy or the Lead Instructor suspects any form of academic dishonesty the student may be dismissed from the class, and if dismissed will receive a failing grade (F). Students found cheating may be barred from attending any other EMS Academy courses and may face expulsion from the University of New Mexico.

### **MATURITY AND HYGIENE**





If for any reason the Instructor of the class feels that the student is in poor personal hygiene or is insufficiently mature to provide patient care or work within the guidelines of the course, the student will receive counseling regarding the deficiency. If the student does not make appropriate changes, they may be removed from the course. Additionally, due to the nature of this class students will be required to touch fellow classmates during the lab portions of the class. **ANY INAPPROPRIATE TOUCHING WILL RESULT IN IMMEDIATE DISMISSAL!**

### **ACCOMODATION STATEMENT**

UNM Campus Students-

In accordance with University Policy 2310 and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as he/she are not legally permitted to inquire. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow. Contact Accessibility Resource Center at 277-3506 for additional information.

Certificate and Other Campus Students-

In accordance with University Policy 2310 and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as he/she are not legally permitted to inquire. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow. Your instructor will notify the appropriate campus resources and/or the EMS Academy in regards to certificate courses. The EMS Academy relies on Disability Services Office and Accessibility Resource Center for assistance in developing strategies and verifying accommodation needs.

Technical standards for UNM School of Medicine EMS Academy can be accessed online at the EMS Academy website under the link to "UNM EMS Academy Policies"

<https://hsc.unm.edu/medicine/departments/emergency-medicine/programs/emsa/forms-and-policies.html>

### **STATEMENT OF NON-DISCRIMINATION**

The University of New Mexico Department of Emergency Medicine is committed to providing equal educational opportunity and creating and maintaining an atmosphere free from all forms of discrimination and harassment.





University of New Mexico policy in combination with Federal and State law forbid unlawful discrimination on the basis of race, color, religion, national origin, physical or mental disability, age, sex, sexual preference, gender identity, ancestry, medical condition, or spousal affiliation in the provision of educational programs.

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered “responsible employees” by the Department of Education (see pg 15 - <http://www2.ed.gov/about/offices/list/ocr/docs/ga-201404-title-ix.pdf>). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>

#### Other Campus or Branch Campus Students-

The UNM EMS Academy operates under the above policies, if your course is located on another campus, there may be additional or other resources to assist you. Please contact your instructor, campus program coordinator or EMS Academy Director for assistance. If you are a non-academic certificate student (not receiving academic credit) you will follow the above listed policy.

Any EMS student who has concerns about discrimination or sexual harassment may, if he or she chooses to, talk with his/her academic advisor, instructor, EMS Academy Director and/or the Chair of the Department of Emergency Medicine.

## **SYLLABUS ACKNOWLEDGEMENT**

***Please read and initial***



**SCHOOL OF MEDICINE**  
EMERGENCY MEDICAL SERVICES ACADEMY

\_\_\_\_\_ I understand that there is a required textbook for this class as well as the ranking of sources of information.

\_\_\_\_\_ I understand the number and type of exams that I will be required to take during the length of the course as well as the re-test policy for exams.

\_\_\_\_\_ I understand the instructor’s grading policies, and that a passing score in the class for any graded material is a 73% or greater.

\_\_\_\_\_ I understand the requirements that must be met to be eligible for an AEMT/EMT-Intermediate Course Completion Certificate.

\_\_\_\_\_ I understand that it is my responsibility to notify my instructor, college accessibility resource center or the EMS Academy within the first two weeks of class if I have either a physical or learning disability that requires special consideration.

\_\_\_\_\_ I understand the policy regarding attendance.

\_\_\_\_\_ I understand that I am bound by all existing UNM policies pertaining to academic honesty as well as the consequences defined in the syllabus.

\_\_\_\_\_ I understand the policy regarding extra credit as well as the policy regarding the acceptance of late work.

\_\_\_\_\_ I understand the issue of maturity and how it relates to the requirements of becoming an AEMT/EMT-Intermediate.

\_\_\_\_\_ I understand the expectation concerning personal hygiene.

\_\_\_\_\_ I understand the expectation concerning my conduct when touching other student’s as well as the expectations of professional behavior throughout the course.

\_\_\_\_\_ I understand the Zero Tolerance Policy concerning any type of harassment or discrimination.

\_\_\_\_\_ I understand the ramifications of practicing my skills prior to licensure.

\_\_\_\_\_ I understand the UNM EMS Academy Clinical Requirements, Uniform, and Experience policies.

\_\_\_\_\_ I understand I must successfully complete all required Patient Assessments and demonstrate competency for all Psychomotor Skills, some of which may be invasive or strenuous as specified by the Technical Standards, in order to be eligible for Certification as an EMT-Intermediate.

**PRINT NAME** \_\_\_\_\_ **DATE** \_\_\_\_\_

**SIGNATURE** \_\_\_\_\_