

**EMT 1650**  
**Emergency Medical Technician to Advanced**  
**Emergency Medical Technician**

**SYLLABUS**

**CREDIT HOURS:** 4 credits (Lecture 2 cr, Lab 0.5 cr, Clinical 1.5 cr)

**REQUIRED TEXTBOOK:** Melissa Alexander & Richard Belle **Advanced EMT: A Clinical-Reasoning Approach, 2nd Edition:**  
**ISBN-10: 0-13-442012-8, ISBN-13: 978-0-13-442012-7**

**REQUIRED RESOURCES:**

MyLab BRADY with Pearson e-Text – Access Card – for Advanced EMT: A Clinical-Reasoning Approach (My Brady Lab) **Must have this access. You may use the e-book with this application rather than purchasing the physical textbook above.**

**REQUIRED E-RESOURCES:** Castlebranch Background & Drug Screening (cost responsibility of student) **If co-enrolled in EMT1500, you only need to do the background check ONCE.**

MyLabBrady Access (course access is gained through Moodle, then linking accounts) (cost responsibility of student)

Fisdap for EMT - Comprehensive Exams & Internship Package (Instructor will provide you course access on first day.)

**REQUIRED ITEMS:** Black Polo & Black pants for Clinicals

**COURSE DESCRIPTION:** This course is designed to prepare the student to function competently as an Advanced Emergency Medical Technician as described in the National EMS Scope of Practice Model. The primary focus of EMS providers at this level takes the skill and knowledge set of the EMT and adds new skills and treatment modalities for critical and emergent patients who access the emergency medical system.

The Advanced Emergency Medical Technician functions as part of a comprehensive EMS system and functions under medical oversight to provide emergency care at a higher level than EMT level providers but less than that provided by a Paramedic level provider.

Course includes an online classroom with coursework completed independently by the student. It does include in-person labs which are scheduled throughout the semester. A minimum of 48 hours of clinical time must also be completed.

This course meets the 2014 National Emergency Medical Services Education Standards and Wyoming EMS Licensure standards. Successful completion of the course prepares the student to take the EMS national registry written and psychomotor examinations.

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Cody, WY 82414

**PRE-REQUISITES:** EMT-Basic licensure and/or enrollment in EMT 1500. If initial EMT-Basic licensure was obtained outside of Northwest College, the EMT must also enroll into EMT 1550: EMS Theory

**CLASS TIMES:**

**All lectures are held online**

**LAB TIMES:**

**Listed on the schedule below. All are held in Cody at the NWC Cody Center unless otherwise noted. Lab will last from 1800 to 2200 Tuesday evenings.**

**COURSE OUTCOMES:**

Students will be able to

- 1) Describe patient care responsibilities of the Emergency Medical Technician – Advanced
- 2) Demonstrate Emergency Medical Technician-Advanced level skills
- 3) Apply the patient care and other duties/responsibilities of the Emergency Medical Technician – Advanced

**EVALUATION OF ACHIEVEMENT OF LEARNING OUTCOMES:**

Students must successfully complete the course with a final course grade of 80% or higher to be eligible to take the National Registry written exam. In addition to exams, each student will be evaluated by the instructor regarding attitude, participation, attendance, appearance, and overall performance. This evaluation will be based on observations by the instructors, clinical preceptors, and the EMS lead instructor during classroom/lab practice, skill demonstrations, and clinical experiences. Students must satisfactorily complete all methods of evaluation in order to successfully complete the course.

**METHODS OF EVALUATION:**

EXAMS	20%
LAB SKILL DEMONSTRATION	20%
CLINICAL	20%
MOODLE/MY LAB BRADY	20%

**METHODS OF INSTRUCTION:**

Learning labs	Demonstrations/Return Demonstrations
Clinical practice	Reading Assignments
Discussion	Group Project
Homework Assignments	Quizzes

**GRADING SCALE:**

A	= 95-100%	4.0 points
A-	= 90-94%	3.7 points
B+	= 87-89%	3.3 points
B	= 84-86%	3.0 points
B-	= 80-83%	2.7 points
C+	= 77-79%	2.3 points
C	= 74-76%	2.0 points
C-	= 70-73%	1.7 points
D+	= 67-69%	1.3 points
D	= 64-66%	1.0 points
D-	= 60-63%	0.7 points
F	= below 60%	0.0 points
S	= Satisfactory	0.0 points
U	= Unsatisfactory	0.0 points
W	= Withdrawn	0.0 points

**EXAMINATION POLICY:**

Students are expected to take all exams on the day(s) they are scheduled. Students may make prior arrangements with the instructor to make up missed exams. However, any missed exam without prior instructor approval will be given a grade of "0". A zero on any exam results in the student's inability to complete the course satisfactorily.

## **LAB ATTENDANCE:**

Students will be in the classroom 15 minutes prior to the lab starting. Lab skill performance is integrated throughout the scheduled meeting times. Students are required to attend all scheduled meeting times in order to successfully meet the course objectives. In the event of an unavoidable absence, it is the student's responsibility to contact the instructor to obtain the missed information. *Missing more than 8 hours of the scheduled meeting time results in the student's inability to meet the course objectives and subsequent failure of the course.*

**NOTE: Given you are training to become healthcare providers, more expectation is placed upon you to respect the quarantine/isolation process set forth to avoid the spread of COVID-19. If you become ill, or are unvaccinated and exposed to the virus, please let the instructor know immediately and accommodations will be made. It is expected that if you are not feeling well or are supposed to be in quarantine that you will not show up to in-person labs or clinicals. Doing so will result in your being sent home. Willful violation of the quarantine process will be discussed with the program coordinator following the event.**

## **LAB/SKILL REQUIREMENTS:**

As part of this course, skill demonstrations will be provided and the students will have an opportunity to practice these skills in a laboratory setting. Skill performance evaluations will be conducted on each student to determine skill proficiency by both peers and instructors. Skill performance will be graded on a 100% scale. All Skills must be performed satisfactorily before the student will be allowed to perform skills in the clinical setting. Completion of this requirement is mandatory for progression in this course.

## **LAB SUPPLIES NEEDED:**

Casual attire is acceptable within the laboratory setting. You will be actively engaged in skill practice and learning activities, so please dress appropriately. Closed toe shoes are a must. If additional supplies are needed during this course, they will be distributed as needed within the laboratory setting.

## **CLINICAL/AMBULANCE OR EMERGENCY DEPARTMENT EXPERIENCES:**

EMS staff are individuals currently working in an EMS capacity that can provide expertise in the EMS environment. EMS staff work alongside the student to expose the student to the various duties and responsibilities of the EMT. EMS staff serve as a role model to the student and facilitate an environment where students can learn what it means to be an emergency medical technician in a medical setting. EMS staff provide experiences for students to practice hands on skills and achieve a level of proficiency in patient care.

A minimum achievement of skills must be performed, some of which may be simulated, in order to complete clinicals. This will be arranged by the Instructor. You must wear black shoes, black pants, black shoes and a black polo for the clinical/ambulance or emergency department observation experiences. Your Instructor will provide you with details on your clinical time, location, and other important information.

Required Clinical Achievement	Number Required	Simulation Option**
Hours	48 (24 on ambulance)	0
IV Starts	24, 6 with fluid admin.	12
IO Starts	5	5
Blind Airway Insertion	12	12
Medication Administration	12	12

\*\*For simulation option: this must be conducted in the lab environment and requires a peer review as well as faculty review. This must be documented appropriately.

### **CLINICAL ATTENDANCE:**

The student is to present to clinicals 15 minutes prior to the beginning of their shift. Clinical absences should be avoided. However, if unavoidable, student must e-mail and leave a voice mail for the instructor and EMS unit as soon as possible regarding their impending absence. The student is responsible for working with the instructor to schedule a makeup time. If the student is unable to reschedule missed clinical time, an incomplete "I" will be given and a timeline will be agreed upon between the student/instructor/EMS unit on completion of required clinical hours. ***One "no call/no show" without a reasonable excuse is grounds for dismissal from the course.***

### **CLINICAL PARTICIPATION REQUIREMENTS:**

EMT-A students are required to complete a drug screening and have the appropriate immunizations prior to entering into the clinical experience. The instructor will provide students with instructions and deadlines to complete these requirements. Students who do not pass the drug screening will be subject to the process in the student handbook. You must purchase a clinical polo to attend clinicals. If masks are required by clinical partners, the student is expected to strictly abide by the facility's rules. Currently, no clinical partner requires a COVID vaccine to attend clinicals. Please note, this may change in the future, which may restrict your ability to participate in clinicals at any site if you are unvaccinated.

### **RESPONSIBILITIES OF AN EMERGENCY MEDICAL TECHNICIAN-ADVANCED**

#### ***Special Demands***

- Display tact and sympathy in dealing with a wide variety of patients and family members, many of whom are in a disturbed condition. Show a willingness to assist a patient under less than desirable circumstances.
- Display initiative and judgment in transporting patients, administering pre-hospital care, and operating a motor vehicle. Work under general supervisor performing tasks that are standardized but which require occasional independent decisions.
- Must physically be able to fulfill the role of EMT-Advanced, with or without a reasonable accommodation, which includes, but is not limited to, lifting and moving patients weighing up to 150 lbs. without assistance and up to 300 lbs. with the assistance of one other crew member.

### ***Patient Care Responsibilities***

- Determines the nature and extent of illness and injury and establishes priority for required pre-hospital emergency care
- Administers proper pre-hospital treatment to the patient at the scene and in route to the hospital
- Provides appropriate airway management to patients
- Provides cardiopulmonary resuscitation (CPR) to patients
- Provides appropriate treatment for control of hemorrhage and shock
- Provides appropriate management for immobilization of suspected fractures and dislocations
- Provides appropriate dressings and bandages for wound care
- Provides appropriate assistance in immediate childbirth delivery, cares for newborn infants
- Provides immediate initial treatment to poison and burn patients
- Provides appropriate oxygen therapy to patients
- Provides assistance to the paramedic by having the knowledge and ability to set up the heart monitor and intubation equipment
- Insertion and maintenance of IV line
- Every crew member is equally responsible for proper disposal and/or cleaning of contaminated material
- Provides care that is observant and responsive to patient needs as they arise

### ***Students are expected to remain proficient in EMT-Basic Level Skills***

- Taking of vital signs and patient history
- Performing a primary and secondary patient exam
- Administering oxygen
- Performing Cardiopulmonary Resuscitation in accordance with current protocols
- Applying bandages, dressings, and other wound care as needed
- Splinting of suspected fractures/dislocations appropriately
- Insertion of nasal, oral, and esophageal airways
- Nasopharyngeal and oropharyngeal suctioning
- Proper “situational” patient movement and extrication
- Set up of heart monitor, IV line, and intubation equipment
- Written and verbal communications both inter-service and hospital

- Emergency and defensive driving skills
- Scene control under direction of the paramedic
- Use of Automated Defibrillator

### ***Duties and Other Responsibilities***

- Responds to all ambulance calls efficiently and rapidly within local traffic law guidelines
- Ability to operate an emergency vehicle in a safe and controlled manner
- Knowledge of all streets in the service area and ability to choose the best route to the scene and to the hospital, considering road conditions, and patient comfort
- Knowledge of all traffic regulations and speed limits
- Assures vehicles are completely stocked with available supplies and that equipment is in good working order, both before and after an ambulance call
- Maintains good relations and communications with the hospital staff, public safety services, as well as hospital personnel and the general public
- Work cooperatively with all field, supervisory, and office personnel
- Adheres to all rules, regulations, policies, procedures, and orders as written in the hospital rules and regulations manual or as given by a supervisor
- Maintains both vehicles and duty stations in a state of order, adhering to safety and OSHA regulations, sanitation, and housekeeping regulations
- Attends continuing education sessions and meetings concerning the hospital
- Performs other job related duties as may be assigned or required to allow for the smooth and efficient operation of the hospital system

### **PROFESSIONAL ATTITUDE, CONDUCT and/or BEHAVIOR:**

Professional conduct/behavior is expected during classroom/lab and clinical experiences:

1. Unprofessional attitude, conduct and/or behavior is defined as the inability to work productively, constructively and cooperatively with others.
2. Continual antagonism of instructors or classmates, and/or repeatedly causing dissension among others.
3. Engaging in Facebook and other social media, texting, or taking pictures with phone will not take place during classroom/ laboratory experiences. This includes during a testing times as well as other times determined by the discretion of faculty.
4. Faculty will use their professional experience and expertise to determine when a student is impaired or demonstrating an unacceptable attitude, conduct or behavior.
5. Impairment from drugs or alcohol, unprofessional attitude, conduct or behavior is grounds for dismissal from the AEMT class.
6. Profanity is considered unprofessional conduct.
7. Students will be required to adhere to national and state standards of practice and to practice within legal and ethical frameworks.

## WYOMING EMS OFFICE LICENSURE:

After successfully completing this course, the instructor collaborates with the Wyoming EMS office to offer the National Registry psychomotor exam. Once the exam details are available, the instructor will communicate this to the student. Completion of the National Registry psychomotor exam is not a requirement of the course, but is offered as a courtesy to facilitate the process of certification.

This exam has the following components:

1. **The practical exam** consists of nine (9) stations listed below. You must pass all stations to be eligible for certification in the State of Wyoming.
  1. Trauma Assessment
  2. Medical Assessment
  3. Supraglottic Airway
  4. Pediatric Respiratory Compromise
  5. Cardiac Arrest Management and AED
  6. Intravenous Therapy
  7. Intravenous Therapy - Bolus
  8. Pediatric Intraosseous Access
  9. Random Skills Station one (1) of the following:
    - a. Bleeding Control/Shock Management
    - b. Joint Immobilization
    - c. Long bone Immobilization

The student must also take the National Registry written examination through a PearsonVue test site after course completion. This will award you licensure at a national level as well as through Wyoming. Facilitation of scheduling this will be provided during the course.

**Tuesday labs: 1800 to 2200**

**\*\*\*\*All labs are held in the Cody Center Classroom, 2034\*\*\*\***

Date	Content Covered / Exam	Lab Focus
August 31 - 6	Chapter 1: Introduction to Advanced EMT	
September 7 - 13	Chapter 8: Human Body Systems, Chapter 10: Patho; Chapter 12: Med Admin	<b>Tuesday, September 13 – Advanced Medication Administration</b>



September 14 - 20	Chapter 13 - Pharmacology	
September 21 - 27	Chapter 16: Airway Management; Chapter 18: Vital Signs (emphasis on eTCO <sub>2</sub> ); Chapter 17: Resuscitation: Managing Shock and Cardiac Arrest	<b>Tuesday, September 27 – Advanced Airway</b>
September 28 – October 4	Management for Medical Emergencies (Cardio, Respiratory, Neuro, Endocrine)	
October 5 - 11	Management for Medical Emergencies (Cardio, Respiratory, Neuro, Endocrine)	<b>Tuesday, October 11 – Advanced Medical Assessment</b>
October 12 - 18	Management for Environmental Emergencies, Hematologic Disorders, & Mental Illness	
October 19 - 25	Management on Bleeding & Burn patients	<b>Tuesday, October 25 – Advanced Trauma Assessment</b>
October 26 – November 1	Management of the Head, Brain, Face, or Neck Trauma patient	
November 2 – November 8	Management of the Thoracic or Abdominal Trauma Patient, Multisystem Trauma	<b>Tuesday, November 8 – Advanced Scenario Practice / Team Lead Concept</b>
November 9 – November 15	Management of OB & Newborn	
November 16 – Nov 22	Chapter 38; Management of Geriatric Patients	<b>Tuesday, November 22 – OB Management &amp; Pediatric Assessments</b>
November 23 – 27	Thanksgiving Break	
November 28 – December 4	NIMS Training / Papers Due	<b>Tuesday, December 4 – Advanced-level Assessments/Scenarios</b>
December 5 - 10	Accessing patients in difficult areas	

December 11 - 16	Pharma Exam	<b>NREMT skills testing date is dependent on the state &amp; National Registry</b>
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### **ACADEMIC HONESTY:**

**(\*NOTE – This language is adapted from the NWC Student Handbook Academic Code of Conduct – please refer to that document for more information.)**

Northwest College is committed to creating and maintaining an environment of academic honesty. It is the faculty's responsibility to affirm the importance of academic integrity and to try to educate students as to standards of academic behavior. Students, too, bear the responsibility for academic integrity.

Northwest College expects each student to learn and comply with academic expectations, display appropriate conduct in classroom situations, accept Northwest College's "Student Academic Rights" and "Student Academic Responsibilities", and preserves academic integrity by upholding the spirit of the letter of Academic Code of Conduct. Violations of academic integrity include but are not limited to the following: plagiarism, cheating, trafficking, copyright infringement, and interfering with the learning of other students.

## **ADA STATEMENT:**

Northwest College is dedicated to removing barriers and opening access for students with disabilities in compliance with ADAAA and Section 504 of the Rehabilitation Act. It is the student's responsibility to make an appointment with the Disability Support Services (DSS) Coordinator to provide documentation of a disability (whether it is psychiatric, learning, mobility, health related, or sensory) and to inquire about accommodations for courses each semester. To contact the DSS Coordinator, call 754 - 6135 or stop by the Student Success Center located in the lower level of Colter Hall.

## **NORTHWEST COLLEGE NONDISCRIMINATION NOTICE:**

Northwest College does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, sexual orientation, gender identity, genetic information or veteran status in its programs and activities. We are an Equal Opportunity Employer and Institution (EOE/EOI). Student inquiries concerning disability services shall be directed to the Disability Support Services Coordinator, Student Success Center, 231 W. 6<sup>th</sup> St. Bldg. 4, Powell, WY 82435-1860; 307.754.6227. All other compliance inquiries shall be directed to the Compliance Officer, Orendorff Building, 231 W. 6<sup>th</sup> St. Bldg. 1, Powell, WY 82435-1898; 307.754.6098, or the Office of Civil Rights, U.S. Department of Education, Federal Building, 1244 Speer Blvd. #310, Denver, CO 80204-3582; 303.844.6595; Fax: 303.844.4303; TDD: 308.844.3417; [ORC\\_Denver@ed.gov](mailto:ORC_Denver@ed.gov). Title IX inquiries: Title IX Coordinator, Orendorff Building, 231 W. 6<sup>th</sup> St. Bldg. 1, Powell, WY 82435-1898; 307.754.6100; [Title9@nwc.edu](mailto:Title9@nwc.edu).

## **NORTHWEST COLLEGE RESPECT FOR DIVERSITY STATEMENT:**

The Northwest College community includes a rich mix of individuals who, through their distinctive viewpoints, personalities, and life experiences, contribute to an intellectually stimulating and supportive culture. Northwest College's commitment to diversity is central to understanding and learning through the promotion of free and open inquiry and discussion.

We recognize that our success as an institution depends on an environment where all individuals are included in Northwest College's community regardless of, but not limited to race, age, gender identity, ethnicity, sexual orientation, gender, nationality, citizenship, religious affiliation, or disability.

## **NORTHWEST COLLEGE COURSE WITHDRAWAL PROCEDURE AND SCHEDULE:**

If you find that you no longer wish to remain in this class, you should officially drop or withdraw from it. Only you, the student, can initiate this process, and you are strongly encouraged to consult first with your academic advisor with regard to the effect on your program of study, financial aid status, etc. In order to drop or withdraw from class, you must meet certain deadlines and follow specific procedures:

- **To drop:** you can do this by the deadline listed below and no record will appear on your transcript. You can drop a class by logging onto Web Advisor through your student portal, or

your academic advisor can do it for you as well. You can also go to the Admissions Office and complete the appropriate form.

- **To Withdraw:** after the “drop” deadline, your remaining option is to “withdraw” from this course. A mark of “W” will appear on your transcript, but it will not affect your GPA. Again, you can withdraw from a class by the deadline listed below by logging onto Web Advisor through your student portal, or your academic advisor can do it for you as well. You can also go to the Registration and Records Office and complete the appropriate form.
- **Administrative Withdrawal:** If you merely stop logging onto this class, or cease submitting work even if you still log on, but do not officially remove yourself from class, then you will be subject to Administrative Withdrawal” from the course, at the discretion of the instructor, up to the official “Withdrawal” deadline mentioned above. Otherwise you shall definitely receive and “F”.

**Drop/Add/Withdrawal deadlines are available on the Academic Calendar that can be found here:**

<http://calendar.nwc.edu/site/academics/>

## **OFFENSIVE MATERIALS:**

Performing in the role of Medical Assistance may require contact with the human body and body secretions. As a result, this course will contain information about these topics. The course may also contain explicit information on topics and issues such as nudity, sexuality, and elimination of body wastes (this is not an inclusive list)

## **NORTHWEST COLLEGE STUDENT RESOURCES:**

Northwest College offers a multitude of resources to increase student success including:

1. Northwest College Student Success Program
  - a. Contact Person – Ty Barrus ([ty.Barrus@nwc.edu](mailto:ty.Barrus@nwc.edu))
  - b. Location – Lower level of Coulter hall
  - c. Website – <http://nwc.edu/services/success.html>
2. Northwest college Tutoring Center
  - a. Contact Person – Jen Schneider ([jen.schneider@nwc.edu](mailto:jen.schneider@nwc.edu))
  - b. Location – 2<sup>nd</sup> floor of Hinckley Library
  - c. Phone – 307.754.6188
  - d. Website – <https://nwc.edu/tutoring/>
3. Northwest College Children’s Learning and Care Center
  - a. Contact Person – Autourina Mains ([autourina.mains@nwc.edu](mailto:autourina.mains@nwc.edu))
  - b. Location – Children’s Learning and Care Center (beside the Fagerberg Building)
  - c. Phone – 307.754.6188
  - d. Website – <https://nwc.edu/services/childcare/>

4. Hinckley Library
  - a. Website – <http://nwc.edu/library/>
5. Project Succeed/Trio
  - a. Contact Person – Terri Meyer ([terri.meyer@nwc.edu](mailto:terri.meyer@nwc.edu))
  - b. Location – Frisby Building 101
  - c. Phone – 307.754.6224
  - d. Website – <https://Nwc.edu/trio/>
6. Net-Tutor (on-line tutoring services)
  - a. Website – <http://nwc.edu/tutoring/online.html>

**NORTHWEST COLLEGE EMERGENCY PROCEDURES GUIDE (including evacuation assembly areas):**

<https://nwc.edu/securit/documents/Emergency%20Response%20Guide%202015.pdf>

**AMENDMENTS TO THE SYLLABUS:**

The instructor reserves the right to amend the syllabus during the course if the instructor perceives such amendments would be conducive to student learning. The instructor will notify the student of any changes.

## **Memorandum of Understanding**

**Emergency Medical Technician to**

**Advanced Emergency Medical Technician**

I have received the course outline, course requirements and course syllabi for EMT. I have reviewed and understand the course requirements and how the grades will be computed. I understand the risks inherent in the medical setting and voluntarily accept the responsibility to protect the health and safety of myself and others by following the protocols outlined by the clinical facility and NWC Student Handbook.

Student signature: \_\_\_\_\_

Date: \_\_\_\_\_