

# Emergency Medical Responder 2018 Syllabus

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## Part 1: Course Information

### Program Director/Instructor Information

**Instructor:** Brian Grant

**Office:** 2470 Butler Ave Kingman, AZ 86409

**Office Hours:** Monday – Friday; 0800 - 1600

**Office Telephone:** 928-757-3151

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### Course Description

This course prepares students for testing and registration through National Registry of Emergency Medical Technicians (NREMT.) The primary focus of the Emergency Medical Responder is to initiate immediate lifesaving care to critical patient who access the emergency medical system. This course provides basic knowledge and skills necessary to perform lifesaving interventions while awaiting additional EMS response and to assist higher level personnel at the scene and during transport. The course is designed for volunteer fire fighters, law enforcement personnel, industry and first response providers within the community. This course follows the new guidelines set by the NREMT, with a program time of 80 hours. Classroom/Lecture 60 hours, Practical labs 20 hours. A cognitive and psychomotor exam will be administered at the end of the course. NREMT certifying exam will be available (mandatory for Arizona recognition) after successful completion of the course. Clinical rotation is not required for this course. Students will be introduced to Program Policies, Hazardous Material Awareness, Bloodborne Pathogen Awareness, HIPAA and Health and Life Safety.

***NACFD EMR course will meet on Thursdays from 1700-2100, and Saturdays from 0800-1200.***

### Prerequisite

- AHA BLS CPR (contact program director if CPR is needed)
- IS-700.A Introduction to National Incident Management System
- Hazardous Awareness (contact program director if Hazmat is needed.)
- Completed NACFD EMR Application with above mentioned certifications.

## Textbook & Course Materials

### Required Text

- Emergency Medical Responder: Your first response in emergency, American Academy of Orthopaedic Surgeons (AAOS) 6<sup>th</sup> edition. ISBN: 9781284134162
  - Course text book is available through NACFD Admin

## Course Requirements

- 16 years of age
- Good physical health and able to perform the duties of an Emergency Medical Responder
- Successful completion of Professional Rescuer Level CPR (AHA BLS)
- Minimum of 90% class attendance
- Maintain an overall 80% average

## Course Structure

The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Northern Arizona Consolidated Fire District (NACFD) provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

## Part 2: Student Learning Outcomes

- Simple knowledge of the EMS system
- Safety/well-being of the EMR
- Medical/legal issues
- Care for the patient at the scene of an emergency while awaiting a higher level of care.

You will meet the objectives listed above through a combination of the following activities in this course:

- Attendance
- Participation
- Written exams
- Practical exams

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## Part 3: Topic Outline/Schedule

- **Class 01: Introductions/EMS Systems/Ethical and Legal Issues**
  - **4 lecture Hours**
    - Simple depth of EMS systems. Impact of research on EMR care, Data Collection
    - Ethical and legal review of EMR
- **Class 02: Workforce Wellness and Safety/Lifting and Moving**
  - **4 Lecture hours**
  - **4 Lab hours**
    - Standard Safety precautions
    - Personal protective equipment
    - Stress management
    - Dealing with death and dying
    - Prevention of response-related injuries
    - Lifting and moving patients
- **Class 03: Incident Management/ Documentation/ Transportation Operations/Vehicle Extrication and Special Rescue**
  - **8 lecture hours**
    - Recording patient findings
    - EMS Systems Communications
    - Call for Resources
    - Transfer care of the patient
    - Interact within the team structure.
    - Medical/Legal and Ethics
    - Consent/refusal of care
    - Confidentiality/HIPAA
    - Advanced directives
    - Tort and criminal actions
    - Evidence preservation

- Statutory responsibilities
- Mandatory reporting
- Ethical principles/moral obligations
- End-of-life issues
- Role of EMR in Auto Extrication
- **Class 04: Human Body A&P**
  - **4 Lecture Hours**
  - Simple knowledge of the anatomy and function of the upper airway, heart, vessels, blood, lungs, skin, muscles, and bones as the foundation of emergency care.
  - Simple medical and anatomical terms
  - Simple knowledge of shock and respiratory compromise to respond to life threats.
  - Simple knowledge of age-related differences to assess and care for patients
  - Awareness of local public health resources and the role EMS personnel play in public health emergencies
- **Class 05: Respirations/Airway Management**
  - **8 Lecture Hours**
  - Fundamental depth of anatomy of the respiratory system
  - Airway anatomy
  - Physiology and pathophysiology of respiration:
    - Pulmonary ventilation
    - Oxygenation
    - Respiration
    - External
    - Internal
    - Cellular
  - Assessment and management of adequate and inadequate respiration
  - Techniques of assuring a patent airway
  - Supplemental oxygen therapy
- **Class 06: Airway Management, Respiration and Artificial Ventilation**
  - **2 Lecture Hours**

- **2 Lab Hours**
  - Apply knowledge of general anatomy and physiology to assure a patent airway, adequate mechanical ventilation, and respiration while awaiting additional EMS response for patients of all ages.
- **Class 07: Rescuer CPR/BVM, Patient Assessment/Scene size-up**
  - **5 Lecture Hours**
  - **3 Lab Hours**
    - Complex depth of scene safety
    - Scene management
    - Impact of the environment of patient care
    - Addressing hazards of violence
    - Need for additional or specialized resources
    - Standard precautions
    - Primary assessment for all patient situations
    - Level of consciousness
    - ABCs of Identifying life threats
    - Assessment of vital functions
    - Begin interventions needed to preserve life
    - Chief complaint
    - Mechanism of injury/illness
    - Signs and symptoms
    - Rapid assessment
    - Focused assessment
    - Vital signs/BP assessment
- **Class 08: Scene size-up/Assessment/Hx taking/Secondary Assessment**
  - **2.5 Lecture Hours**
  - **1.5 Lab Hours**
    - Complex depth of scene safety
    - Scene management
    - Impact of the environment of patient care
    - Addressing hazards of violence
    - Need for additional or specialized resources

- Standard precautions
- Primary assessment for all patient situations
- Level of consciousness
- **Class 09: Medical Emergencies, Poisoning and Substance Abuse, Behavioral Emergencies, Environmental Emergencies**
  - **8 Lecture Hours**
  - Medical complaint
  - Decreased level of response, seizures, strokes
  - GI bleeding
  - Infectious disease
  - Diabetic emergencies
  - Behavioral
  - Chest pain/Cardiac arrest
  - Poisoning, Substance abuse, poison control contact
  - Gynecology
  - Ears, Nose, Throat
  - Special Patient population
  - Environmental emergencies
- **Class 10: Bleeding, Shock, Soft-Tissue, Injury to Muscles and Bones**
  - **8 Lecture Hours**
  - Bleeding
  - Chest trauma
  - Abdominal trauma
  - Orthopedic trauma
  - Soft tissue trauma
  - Head, face, neck, spine trauma
  - Special considerations
- **Class 11: Pediatric Emergencies, Geriatric Emergencies**
  - **4 Lecture Hours**
  - Pediatric Emergencies
  - Geriatrics Emergencies
- **Class 12: Child Birth, Skills Lab**
  - Child Birth

- Skills Lab
  - Review of EMR Course, Final Exam Prep
- **Class 13: Skills Lab, EMR Review**
  - Skills Lab
    - Review of EMR Course, Final Exam Prep
- **Class 14: Final Written Exam/Practical Exam**
  - Cognitive Exam – 100 Questions
  - Psychomotor Exam:
    - Patient Assessment/Management – Trauma
    - Patient Assessment/Management – Medical
    - BVM Ventilation of an Apneic Adult Patient
    - Oxygen Administration by Non-Rebreather Mask
    - Cardiac Arrest Management/AED

**Total Course hours:** 80 hours (Lecture 60 hours, Lab 20 hours)



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**Part 4: Grading Policy****Graded Course Activities**

All grades will be determined on a points system. Grades will include quizzes, tests, class work, homework, professional portfolio, and skills performance.

1. Students are graded on theory and lab practice and performance.
2. Each course must be passed with an 80% or better.
3. Grading scale:
  - a. A = 90-100%
  - b. B = 80-89%
  - c. C = 70-79%
  - d. D = 60-69%
  - e. F = 50-59%

**Late Work Policy**

Be sure to pay close attention to deadlines—there will be no make up assignments or quizzes, or late work accepted without a serious and compelling reason and instructor approval.

**Viewing Grades (optional)**

Points you receive for graded activities will be available by written request to the Program Director. Please give 24 hours after submission for request to be granted.

**Letter Grade Assignment**

Final grades assigned for this course will be based on the percentage of total points earned and are assigned as follows:

Letter Grade	Percentage	Performance
A	90-100%	Meets/Exceed Standards
B	80-89%	Meets Standards
C	70-79%	Below Standards

**Important note:** For more information about grading contact your Program Director at Northern Arizona Consolidated Fire District.

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\*Department/College

\*Course Name

\*Semester Syllabus

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## Part 5: Course Policies

### Attend Class

Students are expected to attend all class sessions as listed on the course calendar.

- Attendance in class is mandatory. 1 class can be missed throughout the 11-week course. It is advisable that no classes be missed to assist the student in learning the material. All make-up labs will be the responsibility of the student. See make-up assignments for further details on missed courses. The cognitive exam and psychomotor exams are mandatory.

### Participate

Participation is highly recommended for this course.

### Build Rapport

If you find that you have any trouble keeping up with assignments or other aspects of the course, make sure you let your instructor know as early as possible. As you will find, building rapport and effective relationships are key to becoming an effective professional. Make sure that you are proactive in informing your instructor when difficulties arise during the course so that they can help you find a solution.

### Complete Assignments

**All assignments for this course will be submitted via written/typed format.** Assignments must be submitted by the given deadline or special permission must be requested from instructor *before the due date*. Extensions will not be given beyond the next assignment except under extreme circumstances.

All discussion assignments must be completed by the assignment due date and time. Late or missing discussion assignments will affect the

student's grade.

## **Understand When You May Drop This Course**

The student may drop from the course prior to the start date with a refund of the course fees only. No refunds will be allowed after the start of the course.

## **Inform Your Instructor of Any Accommodations Needed**

Northern Arizona Consolidated Fire District is committed to equal educational opportunities for qualified students with disabilities in compliance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. The purpose of Disability Resource Program is to assist students with disabilities to realize their academic and personal potential. Students with disabilities needing accommodation are required to contact the Northern Arizona Consolidated Fire District Administration office at (928) 757-3151. All requests for accommodations need appropriate notice by the student to avoid a delay in services. Please discuss approved accommodations with faculty.

## **Commit to Integrity**

As a student in this course you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this class and integrity in your behavior in and out of the classroom.

## **Academic Dishonesty Policy**

1. Academic dishonesty includes such things as cheating, inventing false information or citations, plagiarism and helping someone else commit an act of academic dishonesty. It usually involves an attempt by a student to show possession of a level of knowledge or skill that he/she does not possess.
2. Course instructors have the initial responsibility for detecting and dealing with academic dishonesty. Instructors who believe that an act of academic dishonesty has occurred are obligated to discuss the matter with the student(s) involved. Instructors should possess reasonable evidence of academic dishonesty. However, if circumstances prevent consultation with student(s), instructors may take whatever action (subject to student appeal) they deem appropriate.
3. Instructors who are convinced by the evidence that a student is guilty of academic dishonesty shall assign an appropriate academic penalty. If the instructors believe that the academic dishonesty reflects

on the student's academic performance or the academic integrity in a course, the student's grade should be adversely affected. Suggested guidelines for appropriate actions are: an oral reprimand in cases where there is reasonable doubt that the student knew his/her action constituted academic dishonesty; a failing grade on the particular paper, project or examination where the act of dishonesty was unpremeditated, or where there were significant mitigating circumstances; a failing grade in the course where the dishonesty was premeditated or planned. The instructors will file incident reports with the Vice Presidents for Academic Affairs and for Student Affairs or their designees. These reports shall include a description of the alleged incident of academic dishonesty, any relevant documentation, and any recommendations for action that he/she deems appropriate.

4. The Program Director shall maintain an Academic Dishonesty File of all cases of academic dishonesty with the appropriate documentation.

5. Student may appeal any actions taken on charges of academic dishonesty to the "NACFD Appeals Board."

6. The NACFD Appeals Board shall consist of Officers and at least one student.

7. Individuals may not participate as members of the Academic Appeals Board if they are participants in an appeal.

8. The decision of the NACFD Appeals Board will be forwarded to the NACFD Fire Chief, whose decision is final.

**Important Note:** Any form of academic dishonesty, including cheating and plagiarism, may be reported to the office of student affairs.

**Course policies are subject to change.** It is the student's responsibility to check for corrections or updates to the syllabus. Any changes will be posted at NACFD Administration.