



REMSA Center for Prehospital Education

AACT high school – EMR program

GENERAL COURSE OVERVIEW

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| Course | Emergency Medical Responder Program Didactic & Laboratory |
| Pre-Requisites | None |
| Class Schedule | Monday through Friday 1300-1425 Wednesday 1300-1415 |
| Course Instructor/Coordinator | Heather Spencer – Coordinator Heather Spencer and Francisco Ceballos - Course instructors Office: Room 304 at AACT; 400 Edison Way, Suite B at Remsa Education Office hours: Monday and Friday 1000-1130; 1430-1600 Tuesday, Wednesday and Thursday 0800-0900; 1700-1800 by Appointment only REMIND: 4* Text @4emr21 to 81010 8* Text @8emr21 to 81010 Email: hspencer@remsa-cf.com Francisco email: fceballos@remsa-cf.com |
| Description | Basic understanding of the knowledge, skills and techniques required of an EMR. Areas to be included are: EMR roles and responsibilities, airway management, patient assessment, Medical emergencies, anatomy and physiology, documentation, lifting and moving, and communications. Students will participate in lab scenarios where they will perform techniques and skills in relation to medical and trauma emergencies. Upon successful completion of this course, the student will be eligible to take the National Registry test and certify as an EMR in the State of Nevada. Course content will be divided into four divisions: Division 1 EMS systems, roles and responsibilities of the EMR, workplace safety, standard precautions and PPE, infectious diseases, recognizing and managing stress, communication and documentation, medical terminology, |

medical legal, anatomy and physiology, direction of airflow, direction of blood flow through the heart and the body, blood components, functions of the brain, functions of the GI organs and system, functions and layers of the integumentary system.

Division 2 Pharmacology (refer to drug cards)

Division 3 Patient assessment, airway management, respiratory emergencies, CPR and first aid, lifting and moving, cardiac medical emergencies, neuro emergencies, endocrine/ diabetic emergencies, abdominal and renal emergencies, poisoning and overdose, and behavioral emergencies.

Division 4 Environmental emergencies, childbirth, pediatrics, geriatrics, bleeding and shock, injuries to muscles and bones, burns; trauma to head, neck, chest, spine, and abdomen; transport operations, vehicle extrication, and incident management.

Anatomy and Physiology of all human systems across the life span will be incorporated into each division.

Clinical Description

Students will be required to complete one 4-hour emergency department shadow. Students will sign up for the shift in class and they must complete the shift by final module exam. All emergency department shifts will be done at a local hospital coordinated by REMSA faculty. Shift changes or additional shifts may not be granted once the schedule is made. Changes are made based on availability and the coordinators discretion.

Documentation

Students will be assigned lead for lab scenarios and required to complete a chart for every scenario they are lead for. Student's will receive blank charts the week before lab and will be responsible for completion and submission on their chart on the assigned day. Labs run on Monday, Tuesday, or Wednesday will be required to submit their completed chart that Friday. Labs run on Thursday or Friday will be required to submit their chart the following Monday. Late charts are subject to half credit.

EMR Skills

Students will receive a set of skills sheets on the first day of class to be completed prior to the division 4 exam. These are not national registry sheets and include vital signs, oxygen administration and bleeding control splinting. Students who do not have the skill sheets completed with all appropriate documentation and signatures will not be eligible for certification. Please make sure you bring these sheets to EVERY class, as signatures will only be granted on the day of the completion for skills.

COURSE CONTENT & RESOURCES

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| Teaching strategies | Lecture/discussion Student centered learning activities Group discussions and small group case studies Audiovisual media/online resources Written assignments Testing/Quizzes/Practical Exams |
| Minimum Expectations Goal | To prepare competent entry-level EMR's in the cognitive (knowledge) and psychomotor (skills) domains |
| Objectives | <ol style="list-style-type: none">1. Identify the key elements necessary for effective EMS systems operations.2. Describe the EMR's role in the patient care situations as defined by the U.S. Department of Transportation and within the EMR's scope of practice both nationally and state.3. Understanding the spread and physiology of pathogens and how to prevent from exposure.4. Identify the role of the EMS community in injury prevention.5. Understanding the laws of EMS6. Discuss specific prehospital ethical issues including decisions surrounding resuscitation, confidentiality, and consent.7. Have a basic understanding of the human anatomy and physiology across the life span as it relates to the care of the patient in the prehospital setting.8. Identify health information and evidence based research from a wide range of resources.9. Identify mental health assessment criteria in assessments of all individuals. Recognizing stress and promoting health and wellness; as well as, stress management techniques.10. Recognizing characteristics for medical emergencies and describing/performing prehospital treatments, including pharmacology, in all of the human systems across the life span.11. Demonstrate skills associated with treatment for traumatic injuries related to mechanisms of injury in all of the human systems.12. Demonstrate skills associated with treatments; skills under stressful and realistic scenarios |
| Textbooks: | Emergency Medical Responder Jones and Bartlett Learning Fifth edition |
| Grades | Grades will be posted on Infinite Campus every Friday. An M will be placed in the column if not submitted. Late assignments will stay as an M until the following Friday and will be granted half credit. Students will have two weeks to |

complete and submit late assignments. Any assignment not submitted within the two week time frame will be given a 0 and points will not be able to be regained.

Content & Process

The didactic portion of the EMR Program focuses on knowledge for skills, behaviors and self-awareness needed by the EMR to perform a complete health assessment with patients in a variety of prehospital settings. The knowledge acquired in the didactic portion of this program will be utilized throughout the clinical and internship portions of the program.

Skills necessary to the completion of a comprehensive health assessment and patient treatment in the prehospital setting have been identified and will constitute a portion of this didactic content in laboratory or scenario settings.

Full digital plan - in the case the class is switched to full distance learning, students will continue to follow and complete the assignments on canvas. They will also be required to attend virtual lectures based on the A/B schedule.

GENERAL COURSE CONSIDERATIONS

Accommodations

If you have a 504 plan or have a disability, please see the course coordinator ASAP so a plan of action can be created to accommodate your specific needs.

Academic Honesty

Academic dishonesty of any kind will not be tolerated. If a student is found cheating, texting or using their cell phone during an exam, or displays any other form of academic dishonesty, they will be ineligible for their EMR certification, as well as, receive a 0 on that assignment, quiz or exam. If students are caught talking about lab scenarios with other students before all lab groups have completed the scenario, they will receive a 0 for that lab and become ineligible for certification.

Electronic Etiquette

Cell phone use during lecture is strictly prohibited. If you are caught texting or playing games on your cell phone, lap top, tablet or any other electronic device, it will be taken and placed up front and will NOT be given back until class is over. Headphones or air pods will also NOT be permitted during lecture. During class activities, time allotted for homework, or test prep, students may be allowed to listen to music on their cell phones with the use of headphones or air pods with the approval of the instructor.

Cell phones will ONLY be allowed during lab scenarios for research purposes only. If a student is caught texting or

playing on their cell phone during lab, it will be confiscated by the instructor and returned at the end of class. If students are using their cell phones inappropriately, the student may not receive credit for that lab or activity.

Attendance

The EMR curriculum is very fast moving and builds on itself. If you miss class, you will not be able to make up those hours. Lab days are crucial as it is your chance to practice your hands on skills and patient assessments and critical for your EMR certification. If you miss a lab day, you will NOT get credit for that day, so absences will heavily impact your overall grade. Students are required to sign in EVERYDAY! If you forget, you may be marked absent and not receive credit for that day. You must have 85% attendance in order to receive your certification.

A portion of your grade in this course will be based on participation and attendance that will be directly related to activities that occur in class to include at a minimum question/answer sessions, lab/skill scenarios, and division test preparation reviews. Missed case studies are able to be made up one week after returning back to class. Students who miss case studies MUST obtain the missed case studies when they return by the instructor and will have one week to return the missed assignment. Submission after that one week will not be accepted and a 0 will be placed in that column. If you miss a class, you are responsible for any announcements/ assignments made in class. It is your responsibility to get class notes from a fellow classmate. I will gladly answer specific questions about topics covered in a class you have missed. I will not repeat the class lecture on an individual basis. On virtual days, you will be responsible to email or message me on remind in order to get attendance for that day. You MUST message me DURING CLASS HOURS. If you do not check in by 1430, you will be marked absent that day. Virtual assignments are found on the calendar.

Attire

This course incorporates skills and lab learning into the didactic content of the program throughout the schedule. It is expected that you will arrive to class in attire that is appropriate for both the classroom as well as the lab setting, since there will be surprise in class labs that will require you to bend, kneel, lift and carry.

Lab days you are REQUIRED to arrive to class in full uniform. Uniform includes: a plain white collared shirt, your REMSA badge, EMS or tactical pants (you can find these on amazon or any uniformed store, however they are cheaper on amazon. You can also find them in some Walmart locations), black boots and black belt. Uniforms are required for part of

your lab grade and MANDATORY for your hospital rotation. Failure to wear the appropriate uniform to your clinical will result in dismissal from that clinical and may have to reschedule dependent on availability.

** If you are unable to purchase tactical pants, you may wear plain black pants (no leggings, jeans or yoga pants). Uniforms must be approved by the course coordinator by the second week of class. Grey shirts are required for badge pictures which will take place the Thursday or Friday in the first week of school.

** If you are unable to purchase your uniform, please see the coordinator and rent your uniform.

EXPECTATIONS OF STUDENTS

Students are expected to complete all assignments, participate in class activities, and are encouraged to ask questions for clarity. Students are expected to attend each class in a professional way and be respectful to their classmates, the instructors and themselves each class. Students are expected to be on time, ready and prepared for class.

EXPECTATIONS OF INSTRUCTORS

Students may expect instructors to be on time for class and prepared.

Students may expect to have grades for tests and assignments posted on Infinite Campus within a reasonable time.

Students may expect instructors to be available for office hours throughout the school year. These times will vary so that all students will have an opportunity to meet with instructors regardless of class or work schedules. It is recommended that students make an appointment with the coordinator to schedule a time to meet.

Students may expect the instructors and coordinator to be approachable, fair, and respectful of each student's individuality, and have a sense of humor. If these are not met, please notify the coordinator.

CERTIFICATION REQUIREMENTS

In order to be eligible for your EMR certification, you must meet ALL of the following criteria:

- You must have a semester average of 75% on quizzes (this will be monitored every three weeks). If you fall below the 75% requirement, you will be given a written warning. If at the next grade/attendance check, you are below the 75% requirement, you will become ineligible with no ability to regain eligibility.
 - If you are absent for a quiz, you will be required to schedule with the coordinator to take the quiz. You MUST take the quiz within one week of return. Makeups must be done at lunch or after school on Monday's and Friday's upon scheduling with the coordinator.
- You must have an attendance average of 85% each semester.

- You will receive a warning if attendance falls below 90%; attendance checks will be conducted every 3 weeks.
 - If you want to see what attendance percentage you are at, please email the coordinator.
- You will take a total of 4 divisions. Each division you will be required to score a 75% minimum. If you score below a 75%, you will be given one chance for retest. You must score a 75% minimum on a retest to retain eligibility.
 - If you require specific accommodations for exams, you MUST meet with the coordinator BEFORE the exam to develop a plan.
 - You must maintain a semester grade of 75% or higher. If you fall below this 75% within the semester, you will be given a paper warning. You have 3 weeks from the time you receive the warning to get your grade up. If you fail to get your grade up within that time frame, you will be ineligible for your certification. Special circumstances can be made by the coordinator on a case by case basis. If you have a situation in which you may not be able to get your grade up within that time frame (ex: planned vacation), you must contact the coordinator immediately.
 - Students must have an up to date AHA CPR card by the final division at the end of the school year. We will be certifying BLS CPR during class. If a student misses more than 1 day during the CPR week, they will lose eligibility for CPR certification and will need to certify on their own through Remsa or another agency. If students need to certify elsewhere, they will be required to pay ALL applicable fees for the CPR class, AACT or REMSA will not be responsible for financial requirements.

Behavior Students may also be evaluated using the REMSA Professional Behavior Evaluation adopted from the 2002 National Guidelines for Educating EMS Instructors. This evaluation identifies affective behaviors that are critical to your success as an EMS professional. These evaluations will be used to help you grow as an individual and a professional. Poor evaluations will result in a meeting with the coordinator and possibly a meeting with the principal and parents/guardians.

ATTENDANCE

Process Attendance will be taken at the beginning of each class by signing in on the daily class roster. If you must miss a class for a good reason, you need to notify the coordinator of the reason and the date of the class(es) you will be missing. Documentation from a parent or guardian may be requested based on the coordinators request.

Notification If you are planning on missing class, please email or message the instructor or coordinator before class begins. If it is a lab day and you are lead but must miss class, it is imperative you message the instructor or coordinator asap, before class, so alterations can be made to labs. If you are absent on a division day, you must notify the coordinator or instructor prior to class beginning. Failure to do so may result in not being allowed to retest If your score is below 75%.

GRADING INFORMATION

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| Minimum | The minimum average passing Course grade is 75% for those obtaining certifications. | |
| Categories | 40% | Homework/classwork (this is where digital learning grades will be placed under) |
| | 20% | Evidence based research/ class projects |
| | 20% | Quizzes |
| | 20% | Exams (2 Division exams) |
| Lab Categories | 40% | Charting |
| | 40% | Labs (participation/uniform) |
| | 20% | Hands on exams (Division 2 h.o., Nat Reg) |
| Posting | All grades will be posted in a timely manner on Infinite Campus. It is the coordinators promise that grades will be online every Friday, to the best of their ability. | |
| Calculations | Final Grade Calculations will be done as follows: A = 90% to 100% B = 80% to 89% C = 70% to 79% D = 60% to 69% F = <60% | |
| Rounding | The final grade, which includes a number following the decimal point will be rounded up to the next tenth IF the number following the decimal point is 0.05 or above. For example, a grade of 91.93 will be rounded to 91.9, and a grade of 91.95 will be rounded to 92.0. | |

STUDY HABITS

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| General tips | Attend class regularly, showing up is half the battle |
| Before Class | Pre-read assigned lecture material Take light notes Highlight important concepts Have unclear info or questions ready Try to understand, not just to memorize Utilize workbook or online access |
| During Class | Actively participate Take notes Ask questions |
| After Class | Clarify important concepts |

Review notes and concepts within 24 hours (80% retention)
Restructure, reword, and reorganize notes so YOU can understand

Before Exam

Review quizzes, notes and other material over one week or so (DON'T CRAM)
Reread any unfamiliar terms or material (NOT EVERYTHING)
Get plenty of rest and show up early
Do not study during the hours before the exam (GIVE YOUR BRAIN A BREAK)

Study Groups

Choose location and people wisely
Remember what way you learn best and understand and find a strategy to make it happen!

SCHEDULE

Class Schedule

The class schedule has been attached to this syllabus. Please read through the ENTIRE schedule including the notes at the conclusion of the schedule.

If you have any questions, please do not hesitate to contact the course coordinator, Heather Spencer. Once you and your parent/guardian have reviewed this syllabus, please sign below, date and return to the instructor or coordinator.

Student signature

Date

Parent/Guardian Signature

Date