

2021 – 2022 EMB 105 Mahopac HS Concurrent Course

NYS EMT-B Course Expectations

Instructor: M. Revenson NYS EMT-Paramedic, CIC

Course Sponsor: Putnam County EMS Director *Mr. Casey B. Quake* NYS EMT-Paramedic, CIC.

Additional Lab Instructors EMT's from the Mahopac and Mahopac Falls Volunteer Fire Departments.

Course Description

The EMT class is a New York State course which, upon successful completion, earns the student state certification. EMT is the second level of medical technician offered by New York State (The entry level is CFR-Certified First Responder). As an EMT, students will have the training and state certification to ride the ambulance in their community, and at college. It is a great way to provide community service, meet new people, and earn some extra cash as a college student or part time employee of a commercial or municipal ambulance service. The course has a minimum number of hours as required by the Department of Health certification board and therefore attendance is mandatory to all classes. Membership at a volunteer fire department or ambulance corps is encouraged since it will provide additional training and experience.

This course combines didactic, psychomotor lab and clinical observation in a progressive manner to prepare students to provide emergency care to patients in the pre-hospital setting based on the scope of practice defined by the New York State Department of Health and U.S. Department of Transportation Emergency Medical Technician curriculum. Emphasis will be placed on the recognition and treatment of life threatening emergencies. Topics to include: Well Being for the EMT, Medical-Legal Issues, Airway Management, Cardiopulmonary Resuscitation, Patient Assessment, Medical Emergencies, Trauma, Infants and Children and Operations. Students must be certified as a NYS EMT to progress into the Paramedic Program.

Meeting Times and Requirements

Class meets one period daily, and a double period every other day. **There will be mandatory after school classes for skills practice labs as well as evening sessions for the state practical skills exam (week of 5/09/22). Upon successful completion of the practical skills exam, you will receive an e-mail from NYS DOH to sign up for a written exam time slot.** Additional evening sessions, time permitting at the end of the year, may include vehicle extrication, water rescue, ambulance operations, and possibly others as determined by the instructor. Evening times and dates will be announced ahead of time. A course outline is accompanying this sheet as well as available on line at www.Revsworld.com . Google Classroom invite <https://classroom.google.com/c/MzgxNDM1NjQ2MDYx?cjc=xlrabdd>

A minimum of twelve (12) hours of ambulance ride/observation time with EMStar (or the current Putnam County EMS provider) is required. A clinical rotation form will be completed and submitted to the instructor. Missed classes will be made up during a mutually agreed upon period or after school ASAP. The student will complete and submit the appropriate missed class form to the instructor.

Students who successfully complete this course will be eligible to take the New York State Department of Health EMT Certification exams.

Students must reach their seventeenth birthday by 5/31/2022 to be eligible for the course and to sit for the NYS certification examination.

DCC Institutional Learning Outcomes: Critical Analysis and Reasoning: Students will formulate or evaluate arguments, problems or opinions and arrive at a solution, position or hypothesis based on carefully considered evidence.

Course Student Learning Outcomes:

1. The student will describe the history of EMS.
2. The student will differentiate the roles, responsibilities and professionalism of EMS personnel.
3. The student will discuss the Quality Improvement system and their role in it.
4. The student will define errors in patient care, how they occur and prevention techniques.
5. The student will discuss Evidence Based Decision-Making.
6. The student will discuss the modes of transmission for infectious disease and describe the steps to take for personal protection against them, including airborne and bloodborne pathogens.
7. The student will identify the signs and symptoms of the stressors in EMS and discuss techniques used to ensure the well-being of the EMT.

8. The student will demonstrate methods of lifting and moving patients including correct equipment choices and appropriate operation of each device.
9. The student will define the uses and special types of reports involved in medical documentation.
10. The student will define the issues related to medical documentation including, but not limited to: falsification, errors and their correction, and patient refusals.
11. The student will identify the system components and issues of an EMS communications system.
12. The student will demonstrate communication techniques with other health care professionals.
13. The student will apply principles of communication with patients in a manner that achieves a positive relationship.
14. The student will describe and define the various medical-legal situations commonly encountered within the EMT's scope of practice.
15. The student will identify descriptive anatomical terms using manikins, charts and other visual aids.
16. The student will describe the life support chain; aerobic metabolism and anaerobic metabolism.
17. The student will define appropriate medical terminology and be able to apply it during documentation and interactions with other health care providers.
18. The student will discuss the pathophysiology of respiration and perfusion as related to patient assessment and treatment.
19. The student will describe the major physiologic and psychosocial characteristics of the following age groups:
 - a. Infant
 - b. Toddler
 - c. Preschooler
 - d. School-age
 - e. Adolescent
 - f. Early adult
 - g. Middle adult
 - h. Late adult.
20. The student will describe the EMS system's role in prevention and public education in the community.
21. The student will explain the medications that the EMT may assist or administer to a patient including drug types, routes of administration, drug profiles, and procedures for administration.
22. The student will describe airway anatomy and physiology in order to assure a patent airway in all patients.
23. The student will discuss respiratory anatomy and physiology in order to assure adequate ventilation and respiration of a patient with a medical or traumatic condition, including artificial ventilation of a patient.
24. The student will discuss methods of scene size up and complications which may arise.

25. The student will describe and demonstrate the skills associated with a primary assessment.
26. The student will describe and demonstrate the ability to obtain a pertinent medical history.
27. The student will describe and demonstrate the skills associated with a secondary assessment.
28. The student will describe and demonstrate currently used patient monitoring devices.
29. The student will describe and demonstrate correct reassessment of a patient.
30. The student will discuss and demonstrate assessment and management techniques for patients with complaints of a medical nature including age related variations and special circumstances. General categories of medical emergencies to be discussed will include, but are not limited to: [ISLO #6]
 - a. Respiratory Emergencies
 - b. Cardiac Emergencies
 - c. Neurological Emergencies
 - d. Abdominal and Gastrointestinal Emergencies
 - e. Endocrine Emergencies
 - f. Hematologic Emergencies
 - g. Immunologic Emergencies
 - h. Toxicological Emergencies
 - i. Environmental Emergencies
 - j. Psychiatric Emergencies
 - k. Obstetrical and Gynecological Emergencies
 - l. Infectious Diseases
 - m. Genitourinary and Renal Emergencies
 - n. Non-traumatic Musculoskeletal Disorders
 - o. Eye, Ear, Nose and Throat Diseases or Emergencies.
31. The student will discuss and demonstrate assessment and management techniques for patients with complaints of a traumatic nature including age related variations and special circumstances. General categories of traumatic emergencies to be discussed will include, but are not limited to: [ISLO #6]
 - a. Bleeding and Shock
 - b. Soft-tissue Injuries
 - c. Injuries to the Face and Neck
 - d. Injuries to the Head and Spine
 - e. Injuries to the Chest and Abdomen
 - f. Injuries to the Abdomen and Genitourinary tract
 - g. Injuries to the Nervous System
 - h. Orthopedic Injuries
 - i. Environmental Emergencies
 - j. Multi-System Trauma.

32. The student will discuss the special considerations surrounding, and demonstrate assessment techniques specific to: Obstetric, Neonate, Pediatric, Geriatric and Special Needs patients experiencing traumatic or medical emergencies.
33. The student will list and discuss the components of EMS field operations including, but not limited to:
 - a. Safe operation of a ground ambulance
 - b. Incident management
 - c. Aero-medical transport criteria
 - d. Mass casualty incident triage and management to include causes from terrorism and natural disasters
 - e. Advanced life support utilization and assistance
 - f. Vehicle extrication
 - g. Hazardous Materials Awareness

V. Course Outline

a) Topics Covered: Our class calendar will have an updated view of current topics being covered and can be viewed at http://www.revsworld.com/emt/emt2122_assignments.html

A list of all topics covered along with additional resources are also available at http://www.revsworld.com/emt/emt_websites.html

Registration & Paperwork, Policies & Procedures, Documentation,

The Human Body

Online-EMS Systems, Workplace Safety, Medical/Legal, Communication, Lifting &

Moving

1. The Human Body, Baseline Vitals, Patient Assessment
2. LAB: Lifting and Moving, Baseline Vitals, Patient Assessment

Principles of Pharmacology

3. LAB: Patient Assessment, Baseline Vitals
4. LAB: Patient Assessment
5. Patient Assessment Skills Evaluation
6. Airway Management, Shock and Resuscitation
7. LAB: Airway Patient Assessment, Pharmacology
8. CPR
9. CPR

Online-Medical Overview

10. Respiratory Emergencies
11. Respiratory & Cardiovascular Emergencies
12. Cardiovascular Emergencies
13. LAB: Respiratory & Cardiac Emergencies

Online-Gastrointestinal, Psychiatric, & Gynecologic Emergencies

14. Neurologic, Endocrine, & Hematologic Emergencies
15. LAB: Medical Emergencies
16. Immunologic Emergencies & Toxicology
17. LAB: Medical Emergencies
18. Medical Emergencies Skills Evaluation
19. Trauma Overview, Bleeding
20. Thoracic, Abdominal, Soft Tissue, & Genitourinary Injuries
21. LAB: Trauma

Online-Neck & Facial Injuries, Environmental Emergencies

22. Orthopedic Injuries
23. LAB: Trauma
24. LAB: Trauma
25. Obstetrics & Neonatal Care, Pediatric Emergencies
26. LAB: Obstetric, Pediatric Emergencies

Online- Geriatric Emergencies, Patients with Special Challenges, Transport

Ops, Vehicle Extrication, Incident Management, Terrorism and Disaster Management.

27. LAB: Vehicle & Transport Operations
28. LAB: All Skills
29. FINAL WRITTEN EXAM & LAB: All Skills
30. NYS PRACTICAL EXAM
31. Remediation & Retests
32. NYS WRITTEN EXAM

College Credit

This course is a concurrent enrollment course with SUNY Dutchess Community College. If applicable, a fee to DCC will be paid to them directly. Six (6) college credits will be awarded upon successful completion of the course.

Required Textbook

BRADY – Emergency Care 12th edition. Textbook is also available with your on-line e-learning log in.

Expectations

1) Please be in class by the late bell. Absences and lateness's will be handled in accordance with the attendance policy.

***2) Proper school behavior is to be observed at all times.

***This class has a minimum age of 17 by May 31, 2022. Part of this state mandate is a maturity issue. We will be performing practical skills of the EMT on each other. This requires cooperation by all those involved. **No inappropriate behavior will be tolerated.** If anyone feels uncomfortable at any point in time, please notify the instructor IMMEDIATELY.

3) Homework is to be completed in full by the date/time due. Homeworks are short and are necessary for success in the class. No late HW's will be accepted. Many assignments are on-line, so access to the internet is required. Please address any extenuating circumstances to the instructor at the start of class.

4) A separate notebook, or section of a loose leaf and folder is required.

5) Tests are announced at least 2 days ahead of time. Makeup tests are given after school, or during a free/lunch period, the day the student returns.

6) Quizzes are fair game at any point in time.

7) Practical skill sessions will be carried out in a mature and professional manner, utilizing the time effectively to master the skills at hand. Dress appropriately. We will be sitting, kneeling, lying on the ground etc. Consider having a pair of sweat pants in your locker.

8) All exams, quizzes, and practice skill sheets will be kept in class in the student folder. These folders must be turned into the state/county EMS office at the completion of the course. You may have access to review your old materials after school, but they **MUST** remain in the folder in school.

9) In the event of an absence, for any reason, the class must be made up during a mutually agreed upon period or after school. The student will complete and submit the appropriate missed class form to the instructor.

Academic Accommodations

Dutchess Community College makes reasonable accommodations for students with documented disabilities. Students requesting accommodations must first register with the Office of Accommodative Services (OAS) to verify their eligibility. IEPs from high school do not carry over to college. After documentation review and meeting with the student, OAS staff will provide eligible students with accommodation letters for their professors. Students must obtain a new letter each semester and discuss their accommodation plan with their instructors as soon as possible to ensure timely accommodations. The Office of Accommodative Services is located in the Orcutt Student Services Building, Room 103, phone # (845)431-8055.

Title IX

Dutchess Community College is committed to maintaining a positive campus climate and will not tolerate any form of sexual harassment including sexual assault, sexual violence, and sexual misconduct. It is the responsibility and obligation of all members of the College community to report and/or to assist others in reporting incidents of sexual harassment.

Please direct all Inquiries and reports related to sexual harassment and sexual violence to:

Title IX Coordinator: Ruth E. Spencer, Interim Director of Human Resources
Dutchess Community College, Bowne Hall, Room 118
53 Pendell Road, Poughkeepsie, NY 12601
(845) 431-8673
ruth.spencer@sunydutchess.edu

For information regarding the DCC sexual harassment and sexual violence policy and resources go to:
https://dutchess.open.suny.edu/webapps/portal/execute/tabs/tabAction?tab_tab_group_id=_1_1

For anonymous reports go to Share at DCC: <https://www2.sunydutchess.edu/cgi-bin/share-at-dcc/index.php>

Academic Integrity Policy

Dutchess Community College is committed to the principles of honesty, integrity, and ethical behavior. It is expected that students will recognize these values and adhere to all aspects of student conduct and academic honesty inside and outside of the classroom. Academic dishonesty in any form is regarded by the College as a breach of academic ethics and may result in disciplinary action.

Academic dishonesty includes, but is not limited to, the following:

- Cheating on examinations
- Plagiarism: the representation of another's ideas or writing as one's own.
Examples include:
 - * presenting all or part of another person's published work as something one has written;
 - * paraphrasing or summarizing another's writing without proper acknowledgement (citation);
 - * representing another's artistic or technical work or creation as one's own.
- Willingly collaborating with others in any of the above actions which result(s) in work being submitted which is not the student's own.
- Stealing examinations, taking electronic images, falsifying academic records and other such offenses.
- Knowingly permitting another student to use one's work or cheat from one's examination.
- Submitting work previously presented in another course without permission of instructor.
- Unauthorized duplication of computer software.
- Unauthorized use of copyrighted or published material.

If, based on substantial evidence, an instructor deems that a student is responsible for a violation of the Academic Integrity Policy, the instructor may take the following actions:

- The instructor may require that the student repeat the assignment or examination,
or
- The instructor may give the student a failing grade for the assignment or examination, or
- The instructor may give the student a failing grade for the course.

As an institution of higher education, it is incumbent on the College to ensure that students understand and uphold the highest standards of academic honesty and that there be accountability in cases where students repeatedly violate those principles. In order to build an intellectual culture of academic integrity and ensure that students learn appropriate behavior in their academic endeavors, faculty and staff who judge that a student intentionally violates the Academic Integrity Policy shall report said violation to the Office of Academic Affairs.

The Office of Academic Affairs, in consultation with faculty and staff, will be responsible for developing and implementing appropriate academic administrative reporting procedures, educational interventions, disciplinary actions, and appeal processes.

Students' right to privacy will be upheld, and all students shall have the right to appeal any action that results from this process.

Academic Integrity:

Spelling and grammar count! Ignorance of school policies is not an acceptable excuse. Cheating and plagiarism will result in a zero for the assignment and administrative proceedings will be initiated.

Cell phones are **NOT ALLOWED** in the classroom unless being utilized as part of the lecture. They must be turned off. They may be used on breaks only. Cell phones that are left out or go off in the classroom during class will result in administrative disciplinary action. Multiple violations will result in dismissal from the class. If a true emergency exists see me prior to the start of class.

Discussion is an important part of the learning experience and is encouraged BUT excessive talking, especially during lecture or when someone else is talking, will not be tolerated. Offensives will be handled according to school policy.

To successfully complete the course and become eligible to take the NYS EMT Exam:

- a) An overall exam grade average of 75% or better must be maintained for successful completion of the course.
- b) 12 hours of ambulance ride/observation time with *EMStar* (or approved Putnam County EMS Provider) must be completed along with submission of the appropriate clinical rotation forms. (all forms are on our class web site)
- c) Successful completion of the NYS Practical Skills Exam (PSE). PSE sheets are on the web site.
- d) A grade of 70% on the NYS EMT written exam. Results are mailed to your home address by NYS.

Testing Accomodations: NYS allows only extended time as an accommodation on the NYS **written exam**. To apply for this accommodation, *you must contact NYS Bureau of EMS at 518-402-0996 at least 8 weeks prior to the exam date.*

Website – www.Revsworld.com

**Assignments, updates, Ride along/observation time schedules etc. are available on my web site, www.revsworld.com. Information is also on our Google Classroom.

Grades on line –

Exams comprise 60% of your grade, Labs and Quizzes 20%, and homework's 20%.

Grades are always available through the web site or by logging on to www.igradeplus.com. You will be receiving an email invite to create your log in. This is a 24/7 access to your grades and will prevent any surprises at interim and report card times. I will need student and parent e-mail addresses for this on-line gradebook to work most efficiently. Home and/or work e-mail addresses are fine.

Contacting the Instructor

Please e-mail me at any time with any question or concern at Revensonm@mahopac.org . I check my e-mail often and respond ASAP.

I HAVE READ AND UNDERSTAND THE EXPECTATIONS of the EMT course. I understand the requirements of the EMT class. I have received a copy of the course outline. I have read and understand the Putnam County Bureau of Emergency Services course policies.

Printed student name _____

Student's signature _____ e-mail _____

Printed parent name _____

Parent's signature _____ e-mail _____

(Optional) Additional e-mail _____