

OAKTON COMMUNITY COLLEGE
COURSE SYLLABUS

I.	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Name</u>	<u>Credit</u>	<u>Lecture</u>	<u>Lab</u>
	FIR	220	Emergency Medical Technician	8	5	6

II. PREREQUISITES: Students must have a high school diploma or GED and be a minimum of 18 years old.

III. COURSE DESCRIPTION:

Course studies duties performed by emergency medical technicians (EMT), following the National EMS Education Standards. Contents include CPR, human body anatomy, vital signs, ventilation, cardiac emergencies, resuscitation, automated external defibrillation, pharmacology, bleeding and shock, fractures, injuries, childbirth, lifting and moving of patients, legal and ethical issues. Practical skill performance is heavily emphasized throughout the course. Illinois Department of Public Health (IDPH) approves this course and successful completion of course qualifies students to take IDPH's EMT licensing examination or the National Registry Examination for the EMT.

IV. LEARNING OBJECTIVES:

At the completion of this course you should be able to:

1. Describe the roles of EMS in the health care system.
2. Demonstrate the professional attributes expected of EMT's.
3. Perform the roles and responsibilities of an EMT with regard to personal safety and wellness, as well as the safety of others.
4. Perform the duties of an EMT with regard for medical-legal and ethical issues, including functioning under medical direction and within the scope of practice.
5. Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.
6. Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.
7. Assess and manage patients of all ages with a variety of complaints, medical conditions and traumatic injuries.
8. 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.
9. Apply principles of additional areas of education of the Illinois Scope of Practice Standards exceeding the National Emergency Medical Services Education Standards, in areas of monitoring, psychomotor skills, pharmacology, (principles of

pharmacology, emergency medications, administration preparation, indication's, contraindications, all routes, dosing, action, interactions, safety precautions, side effects, all age groups),
airway management, artificial ventilation, respiration, anatomy and physiology, and bleeding.

V. ACADEMIC INTEGRITY AND STUDENT CONDUCT:

Students and employees at Oakton Community College are required to demonstrate academic integrity and follow Oakton's Code of Academic Conduct. This code prohibits:

- Cheating
- Plagiarism (turning in work not written by you, or lacking proper citation)
- Falsification and fabrication (lying or distorting the truth)
- Helping others to cheat
- Unauthorized changes on official documents
- Pretending to be someone else or having someone else pretend to be the student
- Making or accepting bribes, special favors, or threats
- Any other behavior that violates academic integrity

There are serious consequences to violations of the academic integrity policy. Oakton's policies and procedures provide students a fair hearing if a complaint is made against you. If you are found to have violated the policy, the minimum penalty is failure on the assignment and, a disciplinary record will be established and kept on file in the office of the Vice President for Student Affairs for a period of 3 years.

Please review the Code of Academic Conduct **and** the Code of Student Conduct, both located online at www.oakton.edu/studentlife/student-handbook.pdf.

VI. OUTLINE OF TOPICS:

Didactic Component:

- Orientation to class-guidelines & paperwork
- Intro to Emergency Medical Care & Well-Being of an EMT
- Medical, Legal, and Ethical Issues
- Medical Terminology
- Anatomy and Physiology
- Understanding Pathophysiology
- Capnography Monitoring
- 12-lead ECG acquisition & submission of data to Medical Control
- Scene Size Up
- Primary Assessment
- Secondary Assessment
- Communications and Documentation
- Airway Management
- Respiration and Artificial Ventilation
- Respiratory Emergencies
- Cardiac Emergencies
- Diabetic Emergencies
- Altered Mental Status
- Lifting and Moving
- Life Span Development
- General Pharmacology
- Bleeding and Shock

- Soft Tissue Trauma
- Chest and Abdominal Trauma
- Musculoskeletal Trauma
- Trauma to the Head, Neck, and Spine
- Multisystem Trauma
- Allergic Reactions
- Poisoning and Overdose
- Environmental Emergencies
- Abdominal Emergencies
- Behavioral and Psychiatric Emergencies
- Hematology and Nephrology
- Obstetrics & Gynecology
- Pediatrics
- Geriatric Patients
- Special Needs Care population
- EMS Operations
- Hazardous Materials Multiple – Casualty
- Incidences, and Incident Management
- Highway Safety and Vehicle Extrication
- EMS Response to Terrorism

Practical Component:

- CPR
- Vital Signs, monitoring Devices
- Vital Signs
- Primary Assessment
- Trauma Assessment
- Medical Assessment
- Pairing Assessment Together
- Documentation
- Airway Adjuncts
 - Oxygen Therapy and Additional SOP
 - Tracheal-bronchial suctioning of already intubated patient
 - Application of BiPAP, CPAP, & PEEP
- Cardiac Therapy
- Diabetic Adjuncts
- Restraints
- Lifting and Moving Patients
- Pharmacology
- General Drug Use – Additional SOP
 - Nebulized beta-2 agonist bronchodilator
 - Duoneb
 - Intramuscular/Intranasal Glucagon
 - Intramuscular Naloxone & Epinephrine
 - Obtaining Epinephrine dosage from multi-dose vial
 - SL Nitroglycerin
 - Oral Diphenhydramine

Course Syllabus Continued

- Mark 1 Kit or Duo Dote auto injector
- Bleeding Control
- Wound Management
- Abdominal Injuries and Additional SOP:
 - Bleeding control with the use of Hemostatic agents
- Splinting & Immobilization
- Board & Collaring
- Log Rolling
- PASG Suit
- Epi-Pen Usage
- Substance Abuse
- Hot and Cold Management
- Abdominal Assessment
- Psychiatric Emergencies
- Neurologic Emergencies
- Gynecologic Emergencies
- Obstetrics & Neonatal Care
- Pediatric Emergencies
- Geriatric Care
 - Special Needs Care and Additional SOP
 - Monitoring OG/NG tube already inserted
- Ambulance Operations
- HAZMAT Triage

VII. METHODS OF INSTRUCTION:

Teaching-learning methods in this course may include, but are not limited to:

- My Brady Lab
- EMS Testing
- Assigned readings
- Presentations
- Discussions
- Critical thinking exercises
- Labs
- Team participation and group activities
- Psychomotor skills
- Clinical Observations

VIII. COURSE PRACTICES REQUIRED:

- **Classroom**

The course meets the National EMS Educational Standards and Illinois Department of Public

Health's recommendations for EMT-(Basic). Students are expected to attend all classes.

Tardiness will not be tolerated. Attendance will be taken during the first fifteen minutes of class.

Any student not present at this time will be marked absent. Excessive absences will affect eligibility for the Illinois State Licensing Examination for EMT. If during the course a student has exceeded 9 hours of unexcused absence, it will be suggested that the student withdraw from the class. Each student's progress will be evaluated individually by the lead course instructor who will also issue the student's grades.

- **Quizzes and Examinations**

Students should be prepared for daily pre-assigned quizzes. All online quizzes will be available only through the My Brady Labs online program. Any quizzes not completed on time will result in a score of zero.

These scores will be averaged into the total course grade. Mid-term and the final written and psychomotor skills testing are scheduled by the course coordinator. Students not present during these examinations will

have one week from the original test date to schedule and take a makeup exam with his or her instructor.

Failure to do so within one week will result in a zero score. This score will be averaged into the total course grade.

- **Clinical**

Students are ***required*** to attend **24 hours** of clinical time (in hospital and ambulance ride time). The course coordinator will schedule this time and it is **MANDATORY**. The clinical time is done two different ways: the student will do two 6-hour shifts in a hospital (one shift at St. Francis and one shift at Skokie Hospital) and one 12-hour shift on a private ambulance. There are no excused absences for clinical time.

For a student to be eligible to schedule clinical rotation a student must:

1. Have a cumulative academic average of at least 60% in FIR 220
2. Must have the (yellow) completed in its entirety the ***Medical Requirements Form***, obtained an Oakton Community College EMT Student ID card, and obtained the required green polo at time of sign up

The student has one opportunity to redo the clinical rotation ***if***:

1. An average rating of less than 3 was given on the form completed by the clinical preceptor
2. Student failed to attend scheduled clinical time
3. Student is sent home from clinical for any reason
4. Clinical forms are incomplete or missing

If a student fails to complete the clinical time, the student will:

1. Receive an incomplete (I) grade for the course.
2. Become ineligible to take the Illinois State Licensing and/or the National Registry examination

All clinical form documentation must be fully completed and approved by the course instructor.

Course may be taught as face-to-face, hybrid or online course.

All students are required to:

1. Complete all Health Services requirements: screening & paperwork **before the end of the first week of the course.**
2. Have a completed and up to date physical exam (College Policy)
3. Obtain medical insurance

4. Obtain a Medical Clearance form from the college Health Services Department (includes listed communicable disease blood titers).
5. Comply with requirements of any additional booster/flu shots in timely manner (i.e. you will be allowed up to 2 weeks upon notice of requirements to schedule immunization boosters or receive flu shots)
6. Note: Proof of vaccinations alone is not sufficient and is not acceptable.

All students are expected to:

1. Complete all clinical activities *prior to* the end of the course.
2. Attend a (5) five-hour extrication & triage demonstration. Extrication and Triage Demonstration date & time TBD during semester.
3. Extensions will ***only*** be granted for personal emergencies / complications with only extensions of *six (6) weeks of the final day of class*. ***A formal written request to the Program Coordinator is required for consideration of extension.***

IX. INSTRUCTIONAL MATERIALS:

- Edward T. Dickinson MD, FACEP (2016). *Emergency Care*, 13th Edition. Pearson Publishers (**Required**)
- **MyBradyLab Access Code (Required)**
- **EMS Platinum Testing Access Code (Required)**
- ***American Heart Association BLS for Healthcare Provider Handbook (Required)***

Books may be obtained at the Oakton Community College bookstore, located on the first floor. The textbooks must be obtained by the first day of class.

Required Equipment:

A stethoscope and blood pressure cuff must be obtained by the second day of class. Students are expected to dress professionally for their clinical requirements thus represent Oakton Community College with professionalism in this field of Emergency Medical Services. Additional information regarding dress policy for clinical activities, and additional requirements for the course will be explained in further detail.

[Note: Current textbook information for each course and section is available on Oakton's Schedule of Classes.](#)

X. METHODS OF EVALUATING STUDENT PROGRESS:

Students will be evaluated at the mid-term and final grading periods. Student's progression will be discussed and documented during these times by the lead instructor who will also issue the student grades. Student eligibility to take the Illinois State Licensing Examination for EMT may be jeopardized if the mid-term grade average is less than 80%.

The course is approved by the Illinois Department of Public Health (IDPH), allowing students upon successful course completion, accumulative grade average of 80% (B) or higher, and completion of all IDPH EMT(B) requirements to take the EMT(B) licensing examination.

The final grades are computed as follows:

Letter grade conversion

Online Quizzes with My Brady Lab:

- *Ch. 1-39 Pretest Mybrady Online Quiz - 2.5%
- *Ch. 1-39 Post Test Online Quizzes - 2.5%
- *Ch. 1-39 Chapter Test - 5%
- *Online Quizzes (1-14, + CPR) - 15%

EMS Testing Examinations:

- *Mid-term Written Exam - 15%
- *State Exams (1 - 4) - 20%
- *Final Written Exam - 25%
- Psychomotor Skills Exam - 10%
- Essay - 5%

A	=	90 – 100%
B	=	80 – 89%
C	=	70 – 79%
D	=	60 – 69%
F	=	Below 60%

**** An incomplete grade (I) will change to a “F” Failure grade after 6 weeks from the date of course completion****

Eligibility for Illinois Department of Public Health (IDPH) and/or National Register of Emergency Room Technicians Examination for Emergency Medical Technician (NREMT) Licensure Examination:

- **80% final grade point average or higher**
- **Compliance to Section VIII (classroom hours total, quizzes/exams, clinical hours)**
- **Successful completion of all clinical activities with passing grade**
- **Successful completion of final psychomotor skills exam with passing grade**
- **Documented 120 Practiced Vital Signs (60 Witnessed In Class / 60 unwitnessed)**

Any student with 60% or higher final grade point average whom does not meet the 80% final grade point average however completes all other eligibility requirements will receive a course completion certificate. However, these individuals will be refrained registration towards the IDPH or NREMT Emergency Medical Technician licensure examination.

XI. OTHER COURSE INFORMATION:

If you have a documented learning, psychological, or physical disability you may be entitled to reasonable academic accommodations or services. To request accommodations or services, contact the Access and Disability Resource Center at the Des Plaines or Skokie Campus. All students are expected to fulfill essential course requirements. The College will not waive any essential skill or requirement of a course or degree program.

Oakton Community College is committed to maintaining a campus environment emphasizing the dignity and worth of all members of the community, and complies with all federal and state Title IX requirements.

Resources and support for

- pregnancy-related and parenting accommodations; and
- victims of sexual misconduct

can be found at www.oakton.edu/title9.

Resources and support for LGBTQ+ students can be found at www.oakton.edu/lgbtq.

The instructor reserves the right to make changes in this syllabus and will notify students accordingly.