

COURSE INFORMATION

COURSE PREFIX/NO: EMS 210
COURSE TITLE: ADVANCED EMERGENCY MEDICAL CARE I
LECTURE HOURS/WEEK: 5
LAB HOURS/WEEK: 0
CREDIT HOURS: 5

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course is a study of the concepts related to EMS communications, trauma, obstetric/gynecological emergencies, neonatal transport, psychiatric emergencies, central nervous system, GI/GU systems, anaphylaxis, toxicologic emergencies, drug abuse, infectious diseases, geriatric and pediatric patients, and environmentally related emergencies.

COURSE COMPETENCIES

Upon successful completion of EMS 210, the student will be able to:

Module 1: Introduction to Advanced Emergency Medical Care I

Section 1: Communications

Discuss communication, the key component that links every phase of an EMS run.

Module 2: Trauma Emergencies

Section 1: Trauma and Trauma Systems

Outline how trauma emergencies differ from medical emergencies in the scene size-up, assessment, prehospital emergency care, and transport.

Section 2: Blunt Trauma

Identify and explain any special assessment and care considerations for patients with blunt trauma.

Section 3: Penetrating Trauma

Identify and explain any special assessment and care considerations for patients with penetrating trauma.

Section 4: Hemorrhage and Shock

Explain the need for intervention and transport of the patient with hemorrhage or shock.

Section 5: Soft-Tissue Trauma

Outline any special assessment and care considerations for patients with soft-tissue trauma.

Section 6: Burns

Outline any special assessment and care considerations for patients with burn injuries caused by trauma.

Section 7: Musculoskeletal Trauma

Outline any special assessment and care considerations for patients with musculoskeletal trauma.

Section 8: Head, Facial, and Neck Trauma

Outline any special assessment and care considerations for patients with head, facial, and neck trauma.

Section 9: Spinal Trauma

Outline any special assessment and care considerations for patients with spinal trauma.

Section 10: Thoracic Trauma

Outline any special assessment and care considerations for patients with thoracic trauma.

Section 11: Abdominal Trauma

Outline any special assessment and care considerations for patients with abdominal trauma.

Section 12: Shock Trauma Resuscitation

Identify and explain the importance of rapid recognition and treatment of shock in trauma patients.

Demonstrate the assessment and treatment for a programmed trauma patient who is in shock.

Module 3: Medical Emergencies**Section 1: Neurology**

Outline a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for neurology related complaint patients.

Section 2: Anaphylaxis

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for allergy and anaphylaxis related complaint patients.

Section 3: Gastroenterology

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for gastroenterology related complaint patients.

Section 4: Urology and Nephrology

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for urology and nephrology related complaint patients.

Section 5: Toxicology and Substance Abuse

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for toxicology and substance abuse related complaint patients.

Section 6: Hematology

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for hematology related complaint patients.

Section 7: Environmental Emergencies

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for environmental emergencies related complaint patients.

Section 8: Infectious Disease

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for gastroenterology related complaint patients.

Section 9: Psychiatric and Behavioral Disorders

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for psychiatric and behavioral disorders related complaint patients.

Section 10: Gynecology

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for gynecology related complaint patients.

Section 11: Obstetrics

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for obstetrics related complaint patients.

Module 4: Special Considerations

Section 1: Neonatology

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for neonatology related complaint patients.

Section 2: Pediatrics

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for pediatrics related complaint patients.

Section 3: Geriatric Emergencies

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for geriatric emergencies related complaint patients.

Section 4: Abuse and Assault

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for abuse and assault related complaint patients.

Section 5: The Challenged Patient

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for the challenged patients.

Section 6: Acute Interventions for the Chronic Care Patient

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for the chronic care patients.

Section 7: Assessment-Based Management

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for a broad variety of patient complaints.

Module 5: Operations

Section 1: Ambulance Operations

Outline strategies to help ensure safe operation of ambulances when responding to emergency calls.

Section 2: Medical Incident Management

Explain the need for the incident management system (ICS) in managing emergency medical services incidents.

Section 3: Rescue Awareness and Operations

Outline strategies to help ensure safe operations by emergency medical services crews while conducting victim(s) rescues.

Section 4: Hazardous Materials Incidents

Outline strategies to help ensure safe operations by emergency medical services crews while operating on scenes of hazardous materials incidents.

Section 5: Crime Scene Awareness

Outline strategies to help ensure safe operations by emergency medical services crews while operating on crime scenes.

Section 6: Rural EMS

Outline strategies to help ensure safe operations by emergency medical services crews while operating in rural EMS environments.

Section 7: Responding to Terrorist Acts

Outline strategies to help ensure safe operations by emergency medical services crews when responding to terrorist acts.

Identify and explain a practical approach to conducting problem-oriented history and physical exams and implementing a care plan for terrorist acts related complaint patients.

COURSE REQUIREMENTS:

1. Students are expected to adhere to the policies regarding student conduct as stated in the current York Technical College Catalog and Handbook.
2. Students are responsible for attending all scheduled classes in EMS 210. Regular attendance and class participation are essential to student success in EMS 210. Students who are absent from scheduled classes/clinical for more than 10% of the scheduled hours will be withdrawn.
3. Students are responsible for all material covered and for completing all assignments.
4. **Students must satisfactorily complete** any required skill competencies.
5. **Students must complete** module exams, quizzes and homework assignments with an average score of 80%. **Students must have a *MINIMUM SCORE OF 80% TO SUCCESSFULLY COMPLETE THIS COURSE!***

ATTENDANCE

This course is taught from the NHTSA's DOT current Paramedic curriculum. Students are responsible for attending all scheduled classes in EMS 210. Students must attend a minimum of 90% of all scheduled activities. Student who are absent from scheduled classes/clinical for more than 10% of the scheduled hours will be withdrawn

ACADEMIC INTEGRITY

Any student found guilty of cheating, dishonesty, or plagiarism will be given a grade of "0" on an exam or written work and will be subject to further disciplinary action. Plagiarism refers to "The act of appropriating the literary composition of another, on parts or passage of his writings, on the ideas or language of the same, and passing them off as the product of one's own mind."

METHODS OF INSTRUCTION

Lecture, assigned readings, audiovisuals, handouts, written assignments, discussion, and demonstration.

MINIMAL STANDARDS

Attendance/Participation: Given a course outline, the student will attend and actively participate in a minimum of 90% of scheduled class sessions. All current SC DHEC EMS Division Policies and Procedures will apply to the EMT-P Training Program.

Performance: Upon completion of assigned readings, classroom presentations/demonstrations/practice, out-of-class activities, and other assigned course activities, the student will demonstrate all competencies as required by current SC DHEC EMS Division Policies and Procedures.

EVALUATION STRATEGIES/GRADING

A. Lab/Clinical Component – None

B. Theory Component

The final grade in EMS 210 will be determined by averaging the scores on the following:

In-course Module Exams	75%
Homework/Quizzes	25%
*Combination of above	100%

Must have a *MINIMUM SCORE OF 80% TO SUCCESSFULLY COMPLETE THIS COURSE!

Grading Scale for EMS 210

A	91-100%
B	86-90%
C	80-85%
D	70-79%
F	Below 69%

ENTRY-LEVEL SKILLS

Students must be an Intermediate EMT prior to course and must be affiliated with an Emergency Medical Services (EMS) or Rescue Squad/Fire Department SC DHEC EMS Provider through course completion.

Students must maintain current SC DHEC EMS Division Intermediate EMT status through course completion.

Students must maintain current BCLS credential as per SC DHEC EMS Division through course completion.

Students must successfully complete ASSET or HOBET *prior to* entrance into course.

Students must meet all above criteria and must meet all requirements for function as an Emergency Medical Technician as outlined in the current Americans with Disabilities Act.

PREREQUISITES: Admission to York Technical College
Completion of Anatomy and Physiology as per SC DHEC EMS Policy
Completion of EMS 111, EMS 115, EMS 116, EMS 120, and EMS 220
SC DHEC EMS Intermediate EMT

CO-REQUISITES: EMS 214, EMS 221

Disabilities Statement: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.

Effective: Spring 2009