

COURSE INFORMATION

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| COURSE PREFIX/NO: | EMS 213 |
| COURSE TITLE: | ADVANCED EMERGENCY MEDICAL CARE II |
| LECTURE HOURS/WEEK: | 4 |
| LAB HOURS/WEEK: | 0 |
| CREDIT HOURS: | 4 |

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

COURSE DESCRIPTION

This course is a study of the concepts and skills related to care of specific medical problems. Emphasis is placed on the pathophysiology and treatment modalities related to the respiratory system, cardiovascular system, and the endocrine system. Concepts related to the classification, therapeutic actions, and side effects of common chemotherapeutic agents are emphasized.

COURSE COMPETENCIES

Upon successful completion of EMS 213, the student will be able to:

Module 1: Introduction to Advanced Emergency Medical Care II

Pulmonology

- Identify the epidemiology, anatomy, physiology, pathophysiology, assessment findings, and management (including prehospital medications) for a variety of common respiratory diseases and conditions.

Airway Management and Ventilation

- Describes the indications, contraindications, advantages, disadvantages, complications, equipment and techniques for airway management and ventilation of patients with a variety of common respiratory diseases and conditions.

Module 2: Cardiac Emergencies

Cardiology

- Describes the incidence, morbidity, and mortality of cardiovascular disease
- Identifies and describes the components of the focused history as it relates to the patient with cardiovascular compromise.
- Defines and describes the pathophysiology, assessment, and management of common cardiac-related diseases and conditions.
- Based on the pathophysiology and clinical evaluation of the patient with chest pain, characterizes the clinical problems according to their life-threatening potential.
- Given several preprogrammed patients with cardiac complaints, provides the appropriate assessments and interventions.

Module 3: Endocrine Emergencies

Endocrinology

- Discusses the pathophysiology, assessment findings, and management of patients with a variety of common endocrine-related diseases and conditions.
- Given several scenarios involving endocrine-related emergencies, provides the appropriate assessments and interventions for the patients.

Module 4: Pharmacological Interventions for Pulmonology, Cardiology, and Endocrinology Prehospital Emergency Pharmacology, Sixth Edition Text

Drugs Used in the Treatment of Cardiovascular Emergencies

- Describes and lists the pharmacokinetics, indications, contraindications, and dosages for the common prehospital cardiovascular emergencies medications.

Drugs Used in the Treatment of Respiratory Emergencies

- Describes and lists the pharmacokinetics, indications, contraindications, and dosages for the common prehospital respiratory emergencies medications.

Drugs Used in the Treatment of Metabolic-Endocrine Emergencies

- Describes and lists the pharmacokinetics, indications, contraindications, and dosages for the common prehospital metabolic-endocrine emergencies medications.

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 213. Regular attendance and class participation are essential to student success in EMS 213. 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 THE COURSE!***

ATTENDANCE

This course is taught from the NHTSA's DOT current Paramedic curriculum. Students are responsible for attending all scheduled classes in EMS 213. 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. The course requirements must be completed in order. 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 213 will be determined by averaging the scores on the following:

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

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

Grading Scale for EMS 213

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| 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, EMS 220, EMS 210,
EMS 214, and EMS 221
SC DHEC EMS Intermediate EMT

CO-REQUISITES: EMS 217, EMS 222

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