
COURSE SYLLABUS

DIVISION: Workforce Services

DATE: January 2015

CURRICULUM IN WHICH COURSE IS TAUGHT:

Emergency Medical Technician-Intermediate: Career Studies Certificate

COURSE NUMBER AND TITLE:

EMS 155 – Advanced Life Support – Medical Care (4 crs)

CREDIT HOURS: 4

HOURS WEEK LECTURER: 2

HOURS WEEK LAB: Variable 3-6 hrs week

LECTURE/LAB COMBINATION: 2 (2)

I. CATALOG DESCRIPTION:

Continues the Virginia Office of Emergency Medical Services Intermediate and/or Paramedic curricula. Includes ALS pharmacology, drug and fluid administration with emphasis on patient assessment, differential diagnosis and management of multiple medical complaints. Includes, but are not limited to conditions relating to cardiac, diabetic, neurological, non-traumatic abdominal pain, environmental, behavioral, gynecology, and toxicological disease conditions.

II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES IN WHICH IT IS TAUGHT.

A curriculum objective is to give students a general overview of the requirements for Virginia Enhanced certification and begin the sequence for National Registry Intermediate and or Paramedic certification.

III. REQUIRED BACKGROUND:

General Admission to the College and current Virginia or National Registry EMT- Enhanced

IV. COURSE CONTENT:

- Review of Human Systems
- Gynecology
- Airway Management
- Communications / Documentation
- Pharmacology
- Skills Lab – Medication Administration – Airway Management
- Cardiology
- Neurology
- Endocrinology
- Gastroenterology
- Toxicology & Substance Abuse
- Environmental Emergencies
- Psychiatric and Behavior Disorders

V. LEARNER OUTCOMES:

VI. EVALUATION:

<p><i>At the completion of the course, the student will:</i></p> <p>be able to list and describe drugs which the EMT-Intermediate may administer in a pharmacological management plan according to local protocol.</p> <p>be able to utilize the assessment findings to formulate a field impression, implement and evaluate a management plan for the patient experience a cardiac emergency</p> <p>be able to utilize the assessment findings to formulate a field impression and implement a treatment plan for the patient with a diabetic emergency.</p> <p>be able to utilize assessment findings to formulate a field impression and implement a treatment plan for the patient with a toxic exposure.</p> <p>be able to utilize the assessment findings to formulate a field impression and implement a treatment plan for the patient with a neurological emergency.</p> <p>be able to utilize the assessment findings to formulate a field impression and implement a treatment plan for the patient with non-traumatic abdominal pain.</p> <p>be able to utilize the assessment findings to formulate a field impression and implement a treatment plan for the patient with an environmentally-induced or exacerbated emergency.</p> <p>be able to utilize assessment findings to form a field impression and implement a management plan for patients with behavioral emergencies.</p> <p>be able to utilize assessment findings to formulate a field impression and implement the management plan for the patient experiencing a gynecological emergency.</p>	<p>The course is a combination of observation, demonstration and hands-on-training in both clinical and field settings. This class will be conducted at clinical facilities and prehospital advanced life support agencies. Students will be supervised at all times by an approved preceptor.</p>
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The course supports the following objectives:

DCC Educational Objectives

1. Communication
2. Critical Thinking
3. Interpersonal Skills and Human Relations
4. Computational and Computer Skills
5. Understanding Culture and Society