Danville Community College

Workforce Services
Danville Community College

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 157 – Advanced Life Support – TRAMA Care (3 crs)

CREDIT HOURS: 3 **HOURS WEEK LECTURER:** 3

HOURS WEEK LAB: Variable 3-6 hrs week **LECTURE/LAB COMBINATION:** 3 (0)

I. CATALOG DESCRIPTION:
Continues the Virginia Office of Emergency Medical Services Intermediate and/or Paramedic curricula. Utilizes techniques which will allow the student to utilize the assessment findings to formulate a field impression and implement the treatment plan for the trauma patient.

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:

- Trauma Systems and Mechanism of Injury
- Skills Labs
- Hemorrhage & Shock
- Airway Management and Ventilation
- Trauma Airway Management
- Trauma Assessment
- Human Systems
- Soft Tissue Trauma
- Burns
- Head and Facial Trauma
- Spinal Trauma
- Thoracis Trauma
- Abdominal Trauma
- Musculoskeletal Trauma

V. LEARNER OUTCOMES:	VI**. EVALUATION**:
At the completion of the course, the student will: be able to integrate the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the patient's mechanism of injury. be able to integrate patho-physiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with shock or hemorrhage. be able to integrate patho-physiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with soft tissue trauma. be able to integrate patho-physiological principles and the assessment findings to formulate a field impression and implement the management plan for the patient with a burn injury. be able to integrate patho-physiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the trauma patient with a suspected head injury. be able to integrate patho-physiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the patient with a suspected spinal injury. be able to integrate patho-physiological principles and the assessment findings to formulate a field impression and implement a treatment plan for a patient with a thoracic injury. be able to integrate patho-physiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with suspected abdominal trauma. be able to integrate patho-physiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with a musculoskeletal injury. Demonstrate patient assessment of both critical and non-critical trauma patients presenting with various types of injuries and chief complaints .	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.

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