

# EMT-2340: PARAMEDIC THEORY II

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## Cuyahoga Community College

### Viewing: EMT-2340 : Paramedic Theory II

**Board of Trustees:**

2018-01-25

**Academic Term:**

Fall 2020

**Subject Code**

EMT - Emergency Medical Technology

**Course Number:**

2340

**Title:**

Paramedic Theory II

**Catalog Description:**

Principles and practices of paramedic based on the current Department of Transportation National EMS scope of practice model and education standards and the current State of Ohio Paramedic Curriculum. Includes airway management, physical examination, trauma systems with mechanism of injury, hemorrhage and shock, trauma assessment and management related to: soft tissue, musculoskeletal, head, face, spinal, thoracic and abdominal injuries including burns.

**Credit Hour(s):**

6

**Lecture Hour(s):**

4

**Lab Hour(s):**

3

**Other Hour(s):**

112

**Other Hour Details:**

Directed Practice: 112 hours per semester

## Requisites

**Prerequisite and Corequisite**

EMT-2350 Paramedic Theory III, and departmental approval: current Ohio EMT-B certification.

## Outcomes

**Course Outcome(s):**

Use patient assessment skills to identify mechanism of injury or nature of illness to determine therapeutic modalities for the medical and trauma patient, and establish the priority of interventions needed to improve the patients' outcome.

**Objective(s):**

1. Manage advanced patient assessment in the pre-hospital setting.
  2. Demonstrate correct airway management and ventilation of the emergency patient.
  3. Define the components of medical terminology as related to emergency medical care.
  4. Manage patients with traumatic injuries and medical emergencies.
  5. Demonstrate hemorrhage/shock assessment.
  6. Demonstrate correct management skills of intravenous administration.
  7. Demonstrate burn patient assessment and appropriate treatment modalities.
  8. Demonstrate required paramedic-level performance standards in the clinical setting.
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**Course Outcome(s):**

Comply with Ohio Department of Public Safety regarding Trauma Triage and Transport of the trauma patient.

**Objective(s):**

1. Demonstrate correct Triage procedures.
  2. Explain in detail the Ohio Department of Public Safety regulations regarding Transport of the trauma patient.
  3. Demonstrate correct procedures for transport of the trauma patient.
  4. Explain in detail the Ohio Department of Public Safety regulations regarding Trauma Triage.
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**Methods of Evaluation:**

1. Written Examinations
2. Practical in-class skill evaluations to Current National Curriculum and Current National Registry standards
3. Practical examinations
4. Clinical performance

**Course Content Outline:**

1. Concepts
  - a. Medical terminology
  - b. Airway management techniques
  - c. Airway management equipment
  - d. Hemorrhage/shock assessment and management
  - e. Types and appropriate situations for using IV Therapy
  - f. Trauma assessment
    - i. Soft tissue injuries
    - ii. Musculoskeletal injuries
    - iii. Head injuries
    - iv. Face injuries
    - v. Spinal injuries
    - vi. Thoracic and abdominal injuries
  - g. Trauma management techniques
  - h. Trauma management equipment
    - i. Burn injury assessment
    - j. Burn injury management
  - k. START (Simple Triage and Rapid Treatment) triage
2. Skills
  - a. Advanced assessment
  - b. Paramedic assessment
  - c. Managing Airways and ventilation
  - d. Hemorrhage/shock assessment and management
  - e. Starting appropriate IV therapy and using appropriate body fluid precautions
  - f. Trauma management
  - g. Administering of fluids and electrolytes
  - h. Manage chest tubes
3. Issues
  - a. Trauma management
  - b. Stress management
  - c. Death and dying
  - d. Universal precautions
  - e. Scope of practice

**Resources**

Bledsoe, Bryan E, and Robert S. Porter. *Paramedic Care: Principles Practice*. 5th ed. Upper Saddle River, NJ: Prentice-Hall, 2017.

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Bledsoe, Bryan E. *Essentials of A P for Emergency Care*. 11th ed. Upper Saddle River, NJ: Prentice-Hall, 2014.

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*JEMS Journal of Emergency Medical Services.*

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## **Instructional Services**

**CTAN Number:**

Career Technical Assurance Guide CTEMS004 (3 of 6 courses, all must be taken)

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