

# EMT-2360: PARAMEDIC THEORY IV

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## Cuyahoga Community College

### Viewing: EMT-2360 : Paramedic Theory IV

**Board of Trustees:**

2018-01-25

**Academic Term:**

Fall 2020

**Subject Code**

EMT - Emergency Medical Technology

**Course Number:**

2360

**Title:**

Paramedic Theory IV

**Catalog Description:**

Principles and practices of the paramedic based on current Department of Transportation National EMS scope of practice model and education standards, current State of Ohio Paramedic Curriculum. Management of endocrine, GI, renal/urological, toxicology, hematology, infectious, environmental and behavioral emergencies. Management of special needs patients (geriatric, pediatric, and neonatal) along with assessment and treatment of the OB/GYN patient and emergency field delivery procedures along with basic orientation in ambulance operations, hazardous materials, rescue awareness and crime scene awareness.

**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 current Ohio EMT-Basic certification.

## Outcomes

**Course Outcome(s):**

Assess and manage endocrine, behavioral, gastrointestinal (GI), renal/urological, toxicology, hematology, infectious, and environmental emergencies.

**Objective(s):**

1. Differentiate between symptoms of endocrine, behavioral, GI, renal/urological, toxicology, hematology, infectious, and environmental emergencies.
2. Explain emergency treatment methods for endocrine, GI, renal/urological, toxicology, hematology, infectious, and environmental emergencies.
3. Describe behavioral/psychiatric emergencies and appropriate treatment.
4. Demonstrate skills in the clinical setting based on required performance standards.

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**Course Outcome(s):**

Recognize obstetrical and gynecological emergencies and perform appropriate emergency treatment.

**Objective(s):**

1. Demonstrate correct newborn care techniques.
2. Select appropriate medications to administer for OB/GYN emergencies.
3. Demonstrate correct assessment of the pregnant patient.
4. Demonstrate correct baby delivering techniques.

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**Course Outcome(s):**

Appropriately perform emergency treatment of geriatric, pediatric and neonatal patients.

**Objective(s):**

1. Differentiate between appropriate management techniques of the geriatric, pediatric and neonatal patient.
2. Demonstrate required paramedic-level performance standards in the clinical setting.

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**Course Outcome(s):**

Use appropriate ambulance operational procedures when working around crime scenes, hazardous materials and when performing rescue operations.

**Objective(s):**

1. Follow appropriate procedures when performing rescue operations.
2. Take necessary precautions when working around crime scenes.
3. Follow procedures for working near and/or handling hazardous materials.

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**Methods of Evaluation:**

1. Examinations, quizzes, and homework evaluation
2. Practical skill evaluations to Current National Curriculum and Current National Registry standards
3. Clinical performance
4. Comprehensive exam covering Paramedic Theory I through Paramedic Theory IV

**Course Content Outline:**

1. Concepts
  - a. Endocrine emergencies
  - b. GI emergencies
  - c. Renal/urological emergencies
  - d. Toxicology emergencies
  - e. Hematology emergencies
  - f. Infection emergencies
  - g. Environmental emergencies
  - h. Behavioral emergencies
  - i. Pregnancy and baby delivery
  - j. Ambulance operation procedures
  - k. Rescue Operation Procedures
  - l. Definition of medical emergencies
- m. Hazardous material identification
- n. Procedures for working around hazardous materials
- o. National Registry Exam requirements
2. Skills
  - a. Assessing and managing geriatric, pediatric, and neonatal patients experiencing medical emergencies.
  - b. Assessing and managing OB/GYN patients using appropriate techniques and procedures.
  - c. Selecting and administering appropriate drugs.
  - d. Identifying and administering appropriate treatment for environmental injuries.
3. Issues
  - a. Hazardous materials
  - b. Crime Scene awareness
  - c. Rescue operations

- d. Universal precautions
- e. Scope of practice

## Resources

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

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American Heart Association. *Pediatric Advanced Life Support Provider Manual*. American Heart Association, 2015.

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

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"American Safety"

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U. S. Department of Transportation, National Highway Traffic Safety. "Administration National Standard EMT-Paramedic Curriculum"

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Eichelberger, Martin R. "Brady Pediatric Emergencies: A Manual for Prehospital Care Providers, 2nd ed."

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## Resources Other

1. NHTSA EMS, <http://www.ems.gov>, 2011.
2. Ohio Department of Public Safety, <http://www.ems.ohio.gov>, 2011.

## Instructional Services

### CTAN Number:

Career Technical Assurance Guide CTEMS004 (5 of 6 courses, all must be taken)

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