

Prepared by the Department of Health Sciences
Date of Departmental Approval: January 27, 2017
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Effective: Fall 2017

1. **Course Number: EMS204**
Course Title: Advanced Pre-Hospital Training Program: Paramedic II
2. **Description:** Students learn assessment and management of emergencies including obstetrics, gynecology, and trauma in pediatric, adolescent, adult, and geriatric populations. Laboratory experience is interwoven with classroom instruction. Class extends beyond usual semester dates. Special tuition is charged for this course.
3. **Student Learning Outcomes:**
Upon successful completion of this course, students are able to do the following.
 - Use case studies to integrate pathophysiological principles and assessment findings to formulate an impression and implement a treatment plan for a trauma patient
 - Use case studies to integrate pathophysiological principles and assessment findings to formulate an impression and implement a treatment plan for a medical patient
 - Use case studies to integrate pathophysiological principles and assessment findings to formulate an impression and implement a treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients
 - Use case studies to integrate pathophysiological principles and assessment findings to formulate an impression and implement a treatment plan for patients with common complaints
4. **Credits:** 10 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisite:** EMS203 (Advanced Pre-Hospital Training Program: Paramedic I)
7. **Semester(s) Offered:** Spring
8. **Suggested General Guidelines for Evaluation:**
This course allows for the learning process to take place through attendance and participation in the following cognitive and psychomotor aspects:
 - Case based learning/ Team member and Team leader development; formative and summative based scenarios.
 - Quizzes/ Examinations
9. **General Topical Outline:** Attached

Content Outline
EMS202 Advanced Pre-hospital Training Program: Paramedic II

Trauma Management

- Assessment Skills
- Shock Management Skills
- Airway Management Skills
- Extremity Trauma Skills
- Burn Management
- Spinal Injury Management

Cardiovascular System

- Electrical Therapies
- EKG Interface
- EKG Skills: Static and Dynamic Skill Practice
- Cardiac Monitoring Scenarios
- Static and Dynamic Scenarios
- Cardiac Pharmacological Intervention Skills
- 12 Lead EKG Interpretation and Diagnosis 12 Lead Competency
- ACLS Preparation/ ACLS Competency
- Interactive Cardiac Patient Management Scenarios

Pediatric Emergencies

- Developmental Stages in Children
- Pediatric Assessment Guidelines
- Pediatric Trauma Overview
- Pediatric Medical Emergencies
- PALS Preparation/ PALS Competency

Central Nervous System (CNS)

- CNS Assessment techniques
- P.A.S.G. Review
- Long Spine Board Skills
- Short Spine Board Skills: KED Immobilization
- Extremity Splinting
- Soft Tissues

Burn Pathophysiology

- Burn Patient Management

Musculoskeletal Injuries

Medical Emergencies

- Endocrine
- Anaphylaxis
- Alcoholism and Drug Abuse
- Toxicological Emergencies
- Geriatric Emergencies
- Acute Abdominal Problems

Medical Patient Evaluation Formats

Mass Casualty Incident Response

- The START Triage System
- Incident Command Principles
- Rescue Awareness and Operations

Telemetry and Communications Procedures

Introduction to Hazardous Materials

Advanced medical Life Support Competencies