

**Northern Marianas College**  
**CURRICULUM ACTION REQUEST**

**Effective Semester / Session:** Spring 2016

**Type of Action:**

- New
- Modification
- Move to Inactive (Stop Out)
- Cancellation


**Course Alpha and Number:** ES 180


**Course Title:** Emergency Medical Technician


**Reason for initiating, revising, or canceling:**

This course guide is being modified to reflect the change in the catalog course description, purpose, prerequisites, course activities and design, course outline, and assessment measures.

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Zerlyn A. Taimanao  
Proposer

  
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Date

  
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Zerlyn A. Taimanao  
Department Chair

  
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Date

  
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Barbara K. Merfalen  
Dean of Academic Programs and Services

  
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Date

# Northern Marianas College

## Course Guide

Course: ES 180 Emergency Medical Technician

1. **Department**  
Criminal Justice
2. **Purpose**  
The purpose of this course is to provide training in the career structure of the Emergency Medical Technician. The target population consists of the Department of Fire and Emergency Medical Services cadets.
3. **Description**
  - A. **Required/Recommended Textbook(s) and Related Materials**  
Required:  
Dickenson, Edward T., O'Keefe, Michael F., Limmer, Daniel.  
*Emergency Care*. 10/E © 2005. Upper Saddle River, NJ:  
Pearson/Prentice Hall.  
  
Readability level: Grade 10
  - B. **Contact Hours**
    1. **Lecture:** 8 hours per week / 120 hours per semester
    2. **Lab:** N/A
    3. **Other:** N/A
  - C. **Credits**
    1. **Number:** 8
    2. **Type:** Regular Degree Credits
  - D. **Catalogue Course Description**  
This course presents the required skills and activities of an emergency medical technician including patient assessment, emergency care, safe response to the scene, transportation to the hospital, and roles in community health initiatives.
  - E. **Degree or Certificate Requirements Met by Course**  
This is a required course for the Department of Fire and Emergency Medical Services cadets/students enrolled in the Fire Science Technology Certificate Program.
  - F. **Course Activities and Design**  
Demonstrations, lecture and discussion sessions form the basis from which the knowledge and skills are developed during this course.

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- 4. Course Prerequisite(s); Concurrent Course Enrollment; Required English/Mathematics Placement Level(s)**  
Prerequisite(s): Currently employed or a cadet with the Department of Fire and Emergency Medical Services.  
English Placement Level: EN 101  
Math Placement Level: None
- 5. Estimated Cost of Course; Instructional Resources Needed**  
Cost to the Student: Tuition for an 8-credit course and the cost of the textbook.  
  
Cost to the College: Instructor's salary  
  
Instructional resources needed for this course include: N/A
- 6. Method of Evaluation**  
Student grades will be based on the regular letter grade system as described below:
- |                                |      |
|--------------------------------|------|
| A: Excellent-grade points:     | 4.0; |
| B: Above average-grade points: | 3.0; |
| C: Average-grade points:       | 2.0; |
| D: Below average-grade points: | 1.0; |
| F: Failure-grade points:       | 0.0. |
- NMC's grading and attendance policies will be followed.
- 7. Course Outline**  
This is a topical outline and does not necessarily indicate the sequence in which the material will be presented.
- 1.0 Introduction to Emergency Medical Care;
  - 2.0 The Well-Being of the Emergency Medical Technician;
  - 3.0 Medical and Legal Issues;
  - 4.0 The Human Body;
  - 5.0 Lifting and Moving Patients;
  - 6.0 Airway Management;

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- 7.0 Scene Size-Up and Safety;
- 8.0 The Initial Assessment;
- 9.0 Vital Signs and Patient History;
- 10.0 Physical Exam Assessment of Trauma Patient;
- 11.0 Focused History and Medical Exam Assessment of Medical Patient;
- 12.0 On-Going Assessment;
- 13.0 Communications;
- 14.0 Documentation and Pre-Hospital Care Report;
- 15.0 General Pharmacology Medications Emergency Medical; Technician can administer;
- 16.0 Respiratory;
- 17.0 Cardiac Emergency;
- 18.0 Acute Abdominal Emergencies;
- 19.0 Diabetes Emergencies and Altered mental Status;
- 20.0 Allergic Reactions;
- 21.0 Poisoning and Overdose Emergencies;
- 22.0 Environmental Emergencies;
- 23.0 Behavioral Emergencies;
- 24.0 Obstetrics and Gynecological Emergencies;
- 25.0 Putting It All Together for the Medical Patient;
- 26.0 Bleeding and Shock;
- 27.0 Soft Tissue Injuries;

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- 28.0 Musculoskeletal Injuries;
- 29.0 Injuries to the Head and Spine;
- 30.0 Putting It All Together Managing the Trauma Patient;
- 31.0 Infants and Children;
- 32.0 Geriatric Patients;
- 33.0 Ambulance Operations;
- 34.0 Vehicle Rescue;
- 35.0 Special Operations;
- 36.0 Emergency Medical Services Response to Terrorism; and
- 37.0 Advanced Airway Management.

### **8. Instructional Goals**

This course will introduce students to:

- 1.0 Trauma patient assessment and management;
- 2.0 Medical patient assessment and management;
- 3.0 Cardiac arrest management and automated external defibrillator;
- 4.0 Apneic patient bag-valve-mask;
- 5.0 Supine patient and spinal immobilization;
- 6.0 Seated patient spinal immobilization;
- 7.0 Long bone injury immobilization;
- 8.0 Joint injury mobilization;
- 9.0 Tracting splinting immobilization;
- 10.0 Bleeding control/shock management;

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- 11.0 Airway, oxygen and ventilation;
- 12.0 Mouth to mask with supplemental oxygen; and
- 13.0 Ventilatory management.

### **9. Student Learning Outcomes**

Upon successful completion of this course, students will be able to:

- 1.0 Carry out trauma patient assessment and management;
- 2.0 Carry out medical patient assessment and management;
- 3.0 Carry out cardiac arrest management;
- 4.0 Carry out apneic patient bag-valve-mask method;
- 5.0 Identify supine patient spinal immobilization;
- 6.0 Identify seated patient spinal immobilization;
- 7.0 Identify long bone injury immobilization;
- 8.0 Identify joint injury mobilization;
- 9.0 Carry out tracting and splinting immobilization;
- 10.0 Summarize bleeding control/shock management;
- 11.0 Identify airway, oxygen, and ventilation;
- 12.0 Identify mouth to mask supplemental oxygen; and
- 13.0 Identify ventilatory management.

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## **10. Assessment Measures**

Assessment of student learning may include, but not be limited to, the following:

- 1.0 Small group discussions;
- 2.0 Writing assignments and exercises;
- 3.0 Demonstrations;
- 4.0 Assignments; and
- 5.0 Tests.