



EMSP 2137 Emergency Procedures

Course Syllabus: Fall 2023

“Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed.”

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Office	Monday	Tuesday	Wednesday	Thursday	Friday	Online
Hours	0800-0900 1600-1700	8am -8:30am	3:30pm – 5pm	1800-0900 1600-1700		by appointment

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description:

Application of emergency medical procedures.

Prerequisite(s): EMSP 1165, EMSP 1166, EMSP 2167 Co-Requisite EMSP 2266

Student Learning Outcomes:

Upon completion of this course, the student will be able to:

- Integrate theory and skills mastered in other courses; and demonstrate comprehensive problem-solving techniques.
- Safely and effectively perform all psychomotor skills within the National EMS Scope of Practice Model and state scope of practice at the Paramedic level
- Manage a cardiovascular patient according to the American Heart Association (AHA) guidelines.
- Manage a pediatric and a neonatal patient according to the American Heart Association (AHA) guidelines.
- Demonstrate a working knowledge of clinical information and related topics relevant to pediatric emergencies.
- Demonstrate the ability to completely and proficiently perform all applicable skills;
- Demonstrate attitudes and behavior consistent with the ethics and professionalism expected in pediatric specialties...

Evaluation/Grading Policy:

Grade Scale 90 – 100 A 84 – 89 B 75 – 83 C 70 – 74 D 0 – 69 F EMSP 2237

Course Evaluation Final grades will be calculated according to the following criteria: Psychomotor Examinations 40%, PALS Examination 30%, ACLS Examination 30%

Required Instructional Materials: none.

Publisher:

ISBN Number:

Optional Instructional Materials: none.

Minimum Technology Requirements: Laptop with internet access.

Required Computer Literacy Skills: none.

Course Structure and Overview:

Course Outline Welcome to NTCC EMS Program

Introduction of EMS Staff, Instructors and students

EMS program policies

Advanced Level Psychomotor Examinations

1. The psychomotor section of the examination process consists of six (6) separate skills presented in a scenario-type format to approximate the abilities of the Paramedic (NRP) to function in the out-of-hospital setting. All skills have been developed in accordance with the National EMS Education Standards and Instructional Guidelines for EMT and Paramedic, and current AHA guidelines.

a. Dynamic Cardiology

b. Integrated Out-Of-Hospital Scenario

c. Oral Station A

d. Oral Station B

e. Patient Assessment – Trauma f. Static Cardiology

C. Pediatric Advanced Life Support (PALS)

1. Introduction to PALS

a. PALS course Overview

b. Overview of PALS science

2. Start initial competency practice and testing

a. CPR/AED practice and competency testing

b. Rhythm Disturbances/Electrical Therapy Skills

3. Core Case Simulations (Cardiac) a. Cardiac Cases 1 and 2

4. Overview of Pediatric Assessment

a. Overview of Core Case Discussions and Simulations

5. Core Case Simulations (Cardiac continued)

a. Cardiac cases 3 and 4

6. Core Case Simulations (Respiratory)

a. Core Case Simulations Respiratory Cases 1 and 2

7. Core Case Simulations (Respiratory Continued)

a. Core Case Simulations Respiratory Cases 3 and 4

8. Core Case Simulations (Shock)

a. Core Case Simulations Shock Cases 1 and 2

9. Core Case Simulations (Shock continued)

a. Core Case Simulations Shock Cases 3 and 4

10. Putting it all together a. Course summary and testing details

11. PALS Written Test

a. Remediation (for those that score less than 84%).

D. Advanced Cardiac Life Support

1. Essentials of ACLS a. managing a cardiac arrest

b. Teamwork

2. Adjuncts for Airway Control, Ventilation, and Oxygenation

a. Airway Management

b. Proper Ventilation techniques

c. Proper use of airway adjuncts

3. Defibrillation

a. The defibrillation function a) Indications b) Contraindications c) Power settings d) Different

Defibrillation Devices e) Safety in defibrillation

b. Cardiac Pacing a) Indications b) Contraindications c) Power Settings d) Rhythm Capture e) Precautions

c. Cardiovascular Pharmacology a) the heart's reaction to the actions of medications

4. Myocardial Infarction a. Signs, Symptoms, and Treatment b. Scenario Training for managing Cardiac Arrest

5. Special Resuscitation Situations a. Resuscitation of the pregnant patient b. DNR Orders

6. Adjuncts for Artificial Circulation

7. Invasive Monitoring Techniques

8. Invasive Therapeutic Techniques

9. Cerebral Resuscitation: Treatment of the Brain after Cardiac Arrest

10. Ethical Aspects of CPR

11. ACLS Written Test a. Remediation (for those that score less than 84%).

Alternate Operations during Campus Closure and/or Alternate Course Delivery Requirements

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be Necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required affording equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the public without the written consent of the student unless the student makes a request in writing. Directory information is defined

as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Tentative Course Timeline (*note* instructor reserves the right to adjust this timeline at any point in the term):

Located in EMSP 2137 course in Blackboard