Course Syllabus

EMSP 1501 – Emergency Medical Technician – Basic

Catalog Description: Preparation for certification as an Emergency Medical Technician (EMT).

Prerequisites: None

Corequisites: EMSP 1361, BIOL 2404 or 2401, EDUC 1100, HITT 1305

Semester Credit Hours: 5
Lecture Hours per Week: 3
Lab Hours per Week: 8
Extended hours: 0
Contact Hours per Semester: 170

State Approval Code: 51.0904

Class section meeting time:

Alternate Operations During Campus Closure: In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Panola College to move to altered operations. During this time, Panola College may opt to continue delivery of instruction through methods that include, but are not limited to: online learning management system (CANVAS), online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor Panola College's website (www.panola.edu) for instructions about continuing courses remotely, CANVAS for each class for course-specific communication, and Panola College email for important general information.

Artificial Intelligence (AI) Course Policy: No use of Generative AI permitted.

Instructional Goals and Purposes: The purpose of this course is to learn how to apply safety and operational principle in out-of-hospital environments. Demonstrate lifesaving care to patients at the Emergency Medical Technician (EMT) level. Display professional and ethical behaviors expected of emergency personnel.

Learning Outcomes:

1. Demonstrate proficiency in cognitive, psychomotor and affective domains for the Emergency Medical Technician (EMT) in accordance with the current guidelines of the credentialing agency.

Specific Course Objectives (includes SCANS):
After studying all materials and resources presented in the course, the student will be able to:

1. Assess patients effectively (scan: 1A iv)
2. Demonstrate proper elements for giving patient reports. (scans: 1A v)
3. Analyze data, recognize patient problems and develop interventions to solve those problems using group projects. (scan: 1B i, ii, iii)
4. Demonstrate leadership skills, EMT/patient relationships and work in teams during emergency patient simulations. (scans: 1C i, ii, iii, iv, v)

5. Compare different EMS system designs and how quality assurance and quality improvement may be used to monitor improve the systems. (scan: 2D i ii, iii)
6. Analyze a problem scenario, develop possible solutions, and make managerial decisions involving material and human. (scans: 2A i, iv)
7. Collect data, formulate appropriate plans of treatment and implement the care by practicing in simulated scenarios, and by comparing patient treatments as outlined in the textbook research also using the library, internet, and other resources. (scans: 2C i, ii, iii, iv)
8. Demonstrate ability to work as a team member during patient simulations, assigned projects and clinical time. (scans: 2B i, ii, iii, iv, v, vi)
9. Use of a variety of technical equipment used in the care of patients in the out of hospital environment. (scans: 2E i, ii, iii)

Course Content:
A general description of lecture/discussion topics included in this course are listed in the Learning Outcomes / Specific Course Objectives sections of this syllabus.

Students in all sections of this course will be required to do the following:

1. BLS (AHA Healthcare Provider CPR provided in class)
2. Medical Terminology
3. Anatomy, Physiology and Lifespan Development
4. Pharmacology
5. EMS Systems and Workforce Wellness
6. Crew Resource Management
7. Legal Issues and Documentation
8. Patient Assessment
9. Airway Management
10. Respiratory Emergencies
11. Trauma Emergencies
12. Face, Neck, Head, and Spine Injuries
13. Chest and Abdominal Injuries
14. Orthopedic Injuries
15. Environmental Emergencies
16. Cardiovascular Emergencies
17. Stroke
18. Medical Overview and Infectious Diseases
19. Neurologic, Endocrine, and Hematologic Emergencies
20. Toxicology and Behavioral Health Emergencies
21. Gastrointestinal, Urologic, Allergy and Anaphylaxis, and Gynecologic Emergencies
22. Obstetrics and Neonatal Care
23. Pediatric Emergencies
24. Geriatric Emergencies and Patients with Special Challenges
25. Professional Issues and Communications
26. Rescue and Transport Operations

Methods of Instruction/Course Format/Delivery:

This course is offered face to face in the classroom. Instruction for this course will be done with lecture and skills labs.

Major Assignments / Assessments:
The following items will be assigned and assessed during the semester and used to calculate the student's final grade.

Assignments
1. Complete reading from textbook and other assigned resources.
2. Complete all required assignments in JB Learning
3. Successfully complete all skills for this course

Assessment(s):

1. BLS exam
2. Intro exam
3. Assessment/Airway Exam
4. Trauma Exam
5. Medical Exam
6. Comprehensive Final Exam

Course Grade:
The grading scale for this course is as follows:

92%-100%	A
86-91.99%	B
80-85.99%	C
70-79.99%	D
60-69.99%	F

Refer to policy and procedures manual and student handbook for grade appeals.

1. Students must pass the final exam (failure of final will mean dismissal from course), skills testing and have complete clinical requirements.
2. Students wishing to know their average may do so any time during course. Grades will be updated in Canvas weekly. Official grades are kept in Canvas.
3. Module exams will be given after each module to ensure competency on that content. All exams are given on Platinum Testing (your instructor will assist you with access).

Daily Homework/Quizzes	15%
Class Participation	25%
Modules Exams	20%
Final Exam (must pass, no retest)	40%

Texts, Materials, and Supplies:

- *Pollack, MD, Andrew N., AAOS Emergency Care and Transportation of the Sick and Injured 12th ed. ISBN: 9781284376036*
- Navigate 2 Flipped Classroom + Premier Access (JB learning platform, comes with new textbook purchase)
- AHA BLS book

Required Readings:

- As assigned by instructor in JB Learning and *Pollack, MD, Andrew N., AAOS Emergency Care and Transportation of the Sick and Injured 12th ed. ISBN: 9781284376036*
- Current AHA BLS book

Recommended Reading:

- Current BLS field guide

Other:

- Courses conducted via video conferencing may be recorded and shared for instructional purposes by the instructor.
- For current texts and materials, use the following link to access bookstore listings: https://www.panolacollegestore.com
- For testing services, use the following link: https://www.panola.edu/student-services/student-support/academic-testing-center
- If any student in this class has special classroom or testing needs because of a physical learning or emotional condition, please contact the ADA Student Coordinator in Support Services located

in the Charles C. Matthews Student Center or go to https://www.panola.edu/student-services/student-support/disability-support-services for more information.

- Panola College welcomes pregnant and parenting students as a part of the student body. This institution is committed to providing support and adaptations for a successful educational experience for pregnant and parenting students. Students experiencing a need for accommodations related to pregnancy or parenting will find a Pregnancy and Parenting Accommodations Request form in *The Pathfinder* or may request the form from the course instructor.
- Withdrawing from a course is the student's responsibility. Students who do not attend class and who do not withdraw will receive the grade earned for the course.
- Student Handbook, *The Pathfinder: https://www.panola.edu/* (located at the bottom under students)

SCANS CRITERIA

1) **Foundation skills are defined in three areas: basic skills, thinking skills, and personal qualities.**

   a) **Basic Skills**: A worker must read, write, perform arithmetic and mathematical operations, listen, and speak effectively. These skills include:
      i) Reading: locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.
      ii) Writing: communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.
      iii) Arithmetic and Mathematical Operations: perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.
      iv) Listening: receive, attend to, interpret, and respond to verbal messages and other cues.
      v) Speaking: Organize ideas and communicate orally.

   b) **Thinking Skills**: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively. These skills include:
      i) Creative Thinking: generate new ideas.
      ii) Decision Making: specify goals and constraints, generate alternatives, consider risks, and evaluate and choose the best alternative.
      iii) Problem Solving: recognize problems and devise and implement plan of action.
      iv) Visualize ("Seeing Things in the Mind's Eye"): organize and process symbols, pictures, graphs, objects, and other information.
      v) Knowing How to Learn: use efficient learning techniques to acquire and apply new knowledge and skills.
      vi) Reasoning: discover a rule or principle underlying the relationship between two or more objects and apply it when solving a problem.

   c) **Personal Qualities**: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.
      i) Responsibility: exert a high level of effort and persevere toward goal attainment.
      ii) Self-Esteem: believe in one's own self-worth and maintain a positive view of oneself.
      iii) Sociability: demonstrate understanding, friendliness, adaptability, empathy, and politeness in group settings.
      iv) Self-Management: assess oneself accurately, set personal goals, monitor progress, and exhibit self-control.
      v) Integrity and Honesty: choose ethical courses of action.

2) **Workplace competencies are defined in five areas: resources, interpersonal skills, information, systems, and technology.**

   a) **Resources**: A worker must identify, organize, plan, and allocate resources effectively.

i) Time: select goal-relevant activities, rank them, allocate time, and prepare and follow schedules.
ii) Money: Use or prepare budgets, make forecasts, keep records, and make adjustments to meet objectives.
iii) Material and Facilities: Acquire, store, allocate, and use materials or space efficiently.

Examples: construct a decision time line chart; use computer software to plan a project; prepare a budget; conduct a cost/benefits analysis; design an RFP process; write a job description; develop a staffing plan.

b) **Interpersonal Skills**: A worker must work with others effectively.
i) Participate as a Member of a Team: contribute to group effort.
ii) Teach Others New Skills.
iii) Serve Clients/Customers: work to satisfy customer's expectations.
iv) Exercise Leadership: communicate ideas to justify position, persuade and convince others, responsibly challenge existing procedures and policies.
v) Negotiate: work toward agreements involving exchange of resources, resolve divergent interests.
vi) Work with Diversity: work well with men and women from diverse backgrounds.

Examples: collaborate with a group member to solve a problem; work through a group conflict situation, train a colleague; deal with a dissatisfied customer in person; select and use appropriate leadership styles; use effective delegation techniques; conduct an individual or team negotiation; demonstrate an understanding of how people from different cultural backgrounds might behave in various situations.

c) **Information**: A worker must be able to acquire and use information.
i) Acquire and Evaluate Information.
ii) Organize and Maintain Information.
iii) Interpret and Communicate Information.
iv) Use Computers to Process Information.

Examples: research and collect data from various sources; develop a form to collect data; develop an inventory record-keeping system; produce a report using graphics; make an oral presentation using various media; use on-line computer data bases to research a report; use a computer spreadsheet to develop a budget.

d) **Systems**: A worker must understand complex interrelationships.
i) Understand Systems: know how social, organizational, and technological systems work and operate effectively with them.
ii) Monitor and Correct Performance: distinguish trends, predict impacts on system operations, diagnose deviations in systems' performance and correct malfunctions.
iii) Improve or Design Systems: suggest modifications to existing systems and develop new or alternative systems to improve performance.

Examples: draw and interpret an organizational chart; develop a monitoring process; choose a situation needing improvement, break it down, examine it, propose an improvement, and implement it.

e) **Technology**: A worker must be able to work with a variety of technologies.
i) Select Technology: choose procedures, tools or equipment including computers and related technologies.
ii) Apply Technologies to Task: understand overall intent and proper procedures for setup and operation of equipment.
iii) Maintain and Troubleshoot Equipment: Prevent, identify, or solve problems with equipment, including computers and other technologies.

Examples: read equipment descriptions and technical specifications to select equipment to meet needs; set up and assemble appropriate equipment from instructions; read and follow directions for troubleshooting and repairing equipment.