# Barton Community College

# Course Syllabus

# GENERAL COURSE INFORMATION

## Course Number: EMTS 1540

## Course Title: Paramedic I

## Credit Hours:12

## Prerequisites:EMT and invitation from Director following successful completion of application/testing process.

## Division/Discipline:Workforce Training and Community Education/Emergency Medical Services Education

Course Description: This course is intended to make students aware of Emergency Medical Services as a total systems concept. It further identifies the Paramedic concept, function, roles and responsibilities of the Paramedic within the system as well as the legal aspects of prehospital medicine and an introduction to legislation affecting prehospital medicine. This course will also expose the student to the basics of anatomy and physiology of the human body. All aspects of EMS communications will be reviewed, to include medical terminology, radio technology, verbal and written communication. This course covers the physiologic effects and clinical applications for pharmacology in the prehospital setting. Students will learn to recognize, assess, and manage emergency situations that result from external mechanisms of injury and the pathophysiology involved in traumatic injuries. This course adheres to Kansas Administrative Regulations (K.A.R.), Article 10 Section 109-10-5.

# INSTRUCTOR INFORMATION

## Instructor NameOffice Number (if applicable)Office hoursPhone numberEmail address

# COLLEGE POLICIES

## Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

## Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of, intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

## The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. [Most up-to-date documents are available on the College webpage.]

## Any student seeking an accommodation under the provisions of the Americans with Disability Act (ADA) is to notify Student Support Services via email at disabilityservices@bartonccc.edu.

# COURSE AS VIEWED IN THE TOTAL CURRICULUM

## The Kansas Board of Emergency Medical Services has approved this class. It is designed to enhance the knowledge and skills of the Emergency Medical Technician. The class consists of didactic (lecture) instruction, practical skills training, and clinical experience. The class is not required for the Paramedic program.

# ASSESSMENT OF STUDENT LEARNING

## Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

## Course Outcomes, Competencies, and Supplemental Competencies

Primary Program Goal:

To prepare students to become competent entry-level Paramedics that meet both Kansas and national expectations within the profession.

Objective 1A:

Upon graduation, the graduate will demonstrate the ability to comprehend, apply, and evaluate clinical information relevant to their role of an entry-level Paramedic.

Objective 2A:

Upon graduation, the graduate will demonstrate technical proficiency in all skills necessary to fulfill the role of an entry-level Paramedic.

Objective 3A:

Upon graduation, the graduate will demonstrate personal behaviors consistent with professional and employer expectations of an entry-level Paramedic.

1. Demonstrate an understanding of the rationale, physiology, and fundamentals of prehospital care and treatment of the sick and injured.
2. Identify cellular structures and explain their respective functions.
3. Identify and describe the 12 systems of the body.
4. Identify and describe the physiology of the homeostatic systems that control metabolism.
5. Demonstrate an understanding of EMS.
6. List the components of an EMS system.
7. Describe the White Papers and the importance to EMS today.
8. Describe the major historical events that helped create EMS and bring it into the 21st century.
9. Demonstrate an initial and secondary assessment.
10. Perform a primary assessment.
11. Perform a secondary assessment.
12. Perform an ongoing assessment.
13. Utilize appropriate treatment modalities during patient assessment.
14. Recognize medical emergencies and make an appropriate working diagnosis.
15. Demonstrate the importance of a step-by-step approach to assessing each patient.
16. List the AMS and LOC of the adult, child, and infant patient.
17. List the components of an EMS system.
18. Proficiently stabilize an airway.
19. Demonstrate competency of maintaining a patient’s airway.
20. Demonstrate proper insertion of BLS adjunct airways.
21. Demonstrate proper insertion of ALS adjunct airways.
22. Complete appropriate paperwork.
23. At a minimum write 30 run reports of occurrences for the use by the receiving hospital as well as a permanent record of the patient care provided.
24. Prior to set deadlines, complete FISDAP entries for clinical and internship experiences.
25. Effective communication during the program.
26. Demonstrate effective communication with the hospital nursing staff and physicians.
27. Demonstrate empathy and caring, when interacting with patients, families, and bystanders.
28. Demonstrating professional and a working relationship when working with outside agencies during clinicals and internship.
29. At all times showing compassion, accountability, respect, and empathy to instructors, classmates, preceptors, patients, and any others contacted during the program.
30. Maintaining Scene Safety during an incident.
31. Explain the rational for securing the scene and providing a safe environment for the patient and rescue personnel.
32. Identify unsafe scenes and describe methods for making them safe.
33. Identifying and using the appropriate BSI and PPE needed during a scene.
34. Describe the correct safety measures needed during extrication of a patient.
35. Utilizing and treating ECG dysrhythmias.
36. Demonstrate proficiency of utilizing ECG monitoring techniques including basic ECG, 12-lead, defibrillation, cardioversion, and pacing.
37. Interpret basic and 12-lead ECG patterns and recognize the significance of the rhythms.
38. Show the appropriate electrical or pharmacological treatment necessary for a dysrhythmia.
39. Successfully pass and maintain ACLS.
40. Demonstrate Pharmacological interventions..
41. List the class, indications, contraindications, side effects, and dose, peds dose for required medications.
42. Demonstrate how to accurately initiate an IV/IO and give IV/IO medications.
43. Demonstrate how to give IM and subq injections.
44. Accurately figure drug calculations including IV bolus and medication drips.

# INSTRUCTOR’S EXPECTATIONS OF STUDENTS IN CLASS

# TEXTBOOKS AND OTHER REQUIRED MATERIALS

# REFERENCES

# METHODS OF INSTRUCTION AND EVALUATION

# ATTENDANCE REQUIREMENTS

# COURSE OUTLINE