SYLLABUS

DATE OF LAST REVIEW: 02/2013

CIP CODE: 51.0904

SEMESTER: Departmental Syllabus

COURSE TITLE: Emergency Medical Technician (EMT)

COURSE NUMBER: EMTC0128

CREDIT HOURS: 10

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: Departmental Syllabus

EMAIL: Departmental Syllabus

KCKCC-issued email accounts are the official means for electronically communicating with our students

PREREQUISITE(S): COMPASS Reading score of 65+ or equivalent, and either Kansas First Responder Certification or equivalent; or Human Anatomy and Lab (BIOL0141) or equivalent; or Human Anatomy and Physiology (BIOL0143) or equivalent; OR Instructor Approval

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com for the required text for your particular class.

COURSE DESCRIPTION:

The EMTC 0128 course provides the opportunity to gain the knowledge and develop the skills necessary to administer basic life support care to ill or injured patients, and upon defined successful completion, apply for certification as an EMT in the state of Kansas. A minimum of ten clock hours of clinical or field work, in addition to scheduled class time, are required. This will be scheduled through your instructor. EMTC 123 must be successfully completed with a grade of “C” or better prior to taking EMTC 124. Due to State of Kansas requirements discussed at the first class, attendance of the first class session is mandatory.

METHOD OF INSTRUCTION: A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, and panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.
COURSE OUTLINE:


I. Cardiopulmonary Resuscitation
   A. Adult
   B. Child
   C. Infant

II. Preparatory
   A. Introduction to emergency Medical Care
   B. The Well-Being of the EMT-Basic
   C. Medical, Legal, and Ethical Issues
   D. The Human Issues
   E. Baseline vital Signs and History Taking
   F. Preparing to Lift and Move Patients

III. Airway
   A. Airway Management
   B. Ventilation
   C. Oxygen Therapy
   D. Advanced Airway Management

IV. Patient Assessment
   A. Scene Size-Up
   B. Patient Assessment
   C. Assessment of Geriatric Patients
   D. Communication
   E. Documentation

V. Trauma
   A. Mechanisms of Injury: Kinetics of Trauma
   B. Bleeding and Shock
   C. Soft Tissue Injuries
   D. Burn emergencies
   E. Musculoskeletal injuries
   F. Injuries to the Head
   G. Injuries to the Spine
   H. Eye, Face, and Neck Injuries
   I. Chest, Abdomen, and Genitalia injuries
   J. Agricultural and industrial Emergencies

VI. Kansas Enrichments
   A. Airway Adjuncts particular to Kansas
   B. IV’s and the Kansas EMT

EXPECTED LEARNER OUTCOMES:

A. The learner will demonstrate proficiency in adult, child & infant CPR procedures and skills.
B. The learner will discuss the responsibilities & the well being of the EMT-Basic.
C. The learner will discuss anatomical structures & their function.
D. The learner will demonstrate proficiency in obtaining vital signs, history taking and lifting & moving patients.
E. The learner will demonstrate proficiency in managing patients’ airway.
F. The learner will perform a complete patient assessment.
G. The learner will discuss mechanism, signs & symptoms and management of trauma.
H. The learner will be familiar with the Kansas enrichments to the EMT curriculum.

COURSE COMPETENCIES:

The learner will demonstrate proficiency in adult, child, and infant CPR procedures and skills.
1. The learner will demonstrate adult obstructed airway maneuvers.
2. The learner will demonstrate adult CPR procedures.
3. The learner will demonstrate child obstructed airway maneuvers.
4. The learner will demonstrate child CPR procedures.
5. The learner will demonstrate infant obstructed airway maneuvers.
6. The learner will demonstrate infant CPR procedures.
7. The learner will demonstrate rescue breathing for adult, child and infants.
8. The learner will discuss use of the Automatic external defibrillator and resuscitation of the cardiac arrest patient.
9. The learner will relate risk factors associated to heart disease & strokes.
10. The learner will pass CPR written exam with score of 84% or higher.

The learner will discuss the responsibilities and the well-being of the EMT.
11. The learner will relate body substance isolation procedures to specific patient care.
12. The learner will relate principles of scene safety to patient care scenarios.
13. The learner will discuss stress management.

The learner will discuss medical, legal, ethical and human issues of prehospital care.
14. The learner will define scope of practice and relate it to legal duties and ethical responsibilities.
15. The learner will define types of patient consent.
16. The learner will discuss patient refusal and advance directives.
17. The learner will define and discuss negligence and the reporting of special situations.

The learner will discuss anatomical structures and the function, obtaining vital signs and history taking.
18. The learner will discuss anatomy & function of the musculoskeletal system.
19. The learner will discuss anatomy & function of the respiratory system.
20. The learner will discuss anatomy & function of the circulation system.
21. The learner will discuss anatomy & function of the nervous system.
22. The learner will discuss anatomy & function of the endocrine system.
23. The learner will discuss anatomy & function of the skin.

The learner will demonstrate the correct procedures and techniques for obtaining vital signs.
24. The learner will demonstrate assessment of respiratory rate, regularity & quality.
25. The learner will demonstrate assessment of pulse rate, regularity & quality.
26. The learner will demonstrate assessment of skin moisture, temperature & condition.
27. The learner will demonstrate assessment of pupil size & reactivity to light.
28. The learner will demonstrate assessment of blood pressure.
29. The learner will demonstrate assessment of ability to secure SAMPLE history.

_The learner will demonstrate correct procedures and techniques for managing a patient’s airway._
30. The learner will discuss anatomy & function of the respiratory system.
31. The learner will discuss the airway anatomy in infants & children and relate it to care.
32. The learner will demonstrate appropriate airway opening techniques.
33. The learner will demonstrate use of airway adjuncts and suction equipment.
34. The learner will differentiate between adjuncts and inadequate breathing.
35. The learner will demonstrate techniques of artificial ventilation and relate them to specific situations.
36. The learner will demonstrate correct operation of oxygen tanks and regulators and relate use to specific situations.
37. The learner will discuss & demonstrate special airway management considerations.
38. The learner will discuss & demonstrate use of the ETC Multi-lumen Airway (Combitube).
39. The learner will discuss & demonstrate use of the Esophageal Obturator Airway (EOA).
40. The learner will discuss the use of Endotracheal Intubation
41. The learner will demonstrate Sellick’s Manuever during insertion of an ET tube or Multi-lumen airway.

_The learner will perform a complete patient assessment._
42. The learner will perform a scene size up.
43. The learner will perform an initial assessment.
44. The learner will perform a rapid trauma assessment and a focused.
45. The learner will perform a detailed trauma assessment.
46. The learner will perform an ongoing trauma assessment.
47. The learner will demonstrate assessment and recording of vital signs.
48. The learner will provide a description of the scene in the form of a radio report.

_The learner will discuss mechanism, signs and symptoms, and management of trauma._
49. The learner will discuss mechanism of injury as it relates to kinetics trauma.
50. The learner will discuss bleeding & shock.
51. The learner will discuss soft tissue injuries.
52. The learner will discuss burn emergencies.
53. The learner will discuss musculoskeletal injuries and demonstrate use of appropriate splint in the management of those injuries.
54. The learner will demonstrate the proper techniques of fully immobilizing a patient to a long spine board from both a supine and a standing position.
55. The learner will discuss injuries of the head.
56. The learner will discuss injuries of the spine.
57. The learner will discuss injuries of the eye, face & neck.
58. The learner will discuss injuries of the chest, abdomen & genitals.
59. The learner will discuss agricultural and industrial emergencies.
The learner will be familiar with the Kansas enrichments to the EMT curriculum.

60. The learner will discuss the Kansas Enrichment regarding EMT-Bs and IVs.
61. The learner will discuss and demonstrate how to properly spike an IV.
62. The learner will discuss how to monitor acceptable flow in a non-medicated IV.
63. The learner will discuss the signs and symptoms indicating the flow of a monitored IV should be stopped.
64. The learner will discuss and demonstrate how to stop the flow of a monitored IV.

ASSESSMENT OF LEARNER OUTCOMES:

Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center at 913-288-7670.