

SYLLABUS

DATE OF LAST REVIEW:	Fall 2019
CIP CODE:	51.0904
SEMESTER:	Departmental Syllabus
COURSE TITLE:	Emergency Medical Responder
COURSE NUMBER:	EMTC0105
CREDIT HOURS:	5
INSTRUCTOR(S):	Departmental Syllabus
OFFICE LOCATION:	Departmental Syllabus
OFFICE HOURS:	Departmental Syllabus
TELEPHONE:	Departmental Syllabus
PREREQUISITE(S):	Accuplacer Reading score 243+ or higher
EMAIL:	Departmental Syllabus <i>KCKCC-issued email accounts are the official mean for electronically communicating with our students.</i>
PREREQUISITE	None

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

COURSE DESCRIPTION:

This course provides the opportunity to gain the knowledge and develop the skills necessary to administer basic life support care to ill or injured patients. Upon completion with a grade of “C” or better, students are able to apply for certification as an Emergency Medical Responder in the state of Kansas. **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 demonstration, 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:

Per DOT National Standard Curriculum and Kansas Protocol for Emergency Medical Responder Training.

- I. Cardiopulmonary Resuscitation
 - A. Adult
 - B. Child
 - C. Infant
- II. Preparatory

- A. Introduction to Emergency Medical Care
- B. The Well-Being of the First Responder
- C. Legal, and Ethical Issues
- D. The Human Body
- E. Pathophysiology
- F. Pharmacology
- G. Baseline vital Signs and History Taking
- H. Preparing to Lift and Move Patients
- III. Airway
 - A. Airway Management
 - B. Ventilation
 - C. Oxygen Therapy
- IV. Patient Assessment
 - A. Scene Size-Up
 - B. Patient Assessment
 - C. Assessment of Geriatric Patients
 - D. Communication
 - E. Documentation
- V. Medical
 - A. Chest Pain
 - B. Respiratory Emergencies
 - C. Environmental Emergencies
 - D. Behavioral Emergencies
 - E. Cardiac
 - F. Abdominal Emergencies
 - G. Allergic Reaction
 - H. Altered Mental Status
 - I. Diabetic Emergencies
 - J. Poisonings
 - K. OB/GYN
- VI. 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
- VII. Patient Populations
 - A. Pediatric
 - B. Adult
 - C. Geriatric
 - D. Patients with Special Challenges
- VIII. EMS Operations
 - A. Principles of Emergency Response/Transportation
 - B. Incident Management/Hazardous Response/Terrorism
 - C. Multi-Casualty Incidents/Triage
 - D. Air Medical Transport

EXPECTED LEARNER OUTCOMES:

- A. The learner will demonstrate proficiency in adult, a child & infant CPR procedures & skills.
- B. The learner will discuss the responsibilities & the well-being of the First Responder.
- C. The learner will discuss medical, legal, ethical & human issues of Pre-hospital call.
- D. The learner will discuss anatomical structures & their function and their pathophysiology.
- E. The learner will discuss the pharmacology and demonstrate administration of emergency medications.
- F. The learner will demonstrate proficiency in obtaining vital signs, history taking and lifting & moving patients.
- G. The learner will demonstrate proficiency in managing patients' airway.
- H. The learner will perform a complete patient assessment.
- I. The learner will discuss nature, signs & symptoms & management of medical emergencies.
- J. The learner will discuss mechanism, signs & symptoms and management of trauma.
- K. The learner will discuss the management of care in the pediatric, adult, geriatric and special challenges patients.

COURSE COMPETENCIES:

The learner will demonstrate proficiency in adult child & 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 & 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 85% or higher.

The learner will demonstrate responsibilities and well-being of the Emergency Medical Responder.

- 11. The learner will relate body substance isolation procedures to specific patient care
- 12. The learner will relate principals of scene safety to patient care scenarios.
- 13. The learner will discuss stress management.

The learner will discuss medical, legal, ethical & human issues of pre-hospital care.

- 14. The learner will define types of patient consent.
- 15. The learner will discuss patient refusal, advance directives.
- 16. 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.

- 17. The learner will discuss anatomy & function of the musculoskeletal system.
- 18. The learner will discuss anatomy & function of the respiratory system.
- 19. The learner will discuss anatomy & function of the circulation system.
- 20. The learner will discuss anatomy & function of the nervous system.
- 21. The learner will discuss anatomy & function of the endocrine system.
- 22. The learner will discuss anatomy & function of the skin.

The learner will demonstrate the correct procedures and techniques for obtaining vital signs.

- 23. The learner will demonstrate assessment of respiratory rate, regularity & quality.
- 24. The learner will demonstrate assessment of pulse rate, regularity & quality.
- 25. The learner will demonstrate assessment of skin moisture, temperature & condition.

26. The learner will demonstrate assessment of pupil size & reactivity to light.
27. The learner will demonstrate assessment of blood pressure.
28. 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.

29. The learner will discuss anatomy & function of the respiratory system.
30. The learner will discuss the airway anatomy in infants & children and relate it to care.
31. The learner will demonstrate appropriate airway opening techniques.
32. The learner will demonstrate use of airway adjuncts and suction equipment.
33. The learner will differentiate between adjuncts and inadequate breathing.
34. The learner will demonstrate techniques of artificial ventilation and relate them to specific situations.
35. The learner will demonstrate correct operation of oxygen tanks and regulators and relate use to specific situations.
36. The learner will discuss & demonstrate special airway management considerations.

The learner will perform a complete patient assessment.

37. The learner will perform a scene size up.
38. The learner will perform an initial assessment.
39. The learner will perform a rapid trauma assessment.
40. The learner will perform a detailed trauma assessment.
41. The learner will perform an ongoing trauma assessment.
42. The learner will demonstrate assessment and recording of vital signs.
43. The learner will provide a description of the scene in the form of a radio report.

The learner will discuss nature, signs & symptoms & management of medical emergencies.

44. The learner will discuss the nature, signs & symptoms of cardiac emergencies and chest pain.
45. The learner will discuss the nature, signs & symptoms of respiratory emergencies.
46. The learner will discuss the nature, signs & symptoms of environmental emergencies
47. The learner will discuss the nature, signs & symptoms of behavioral emergencies.
48. The learner will discuss the nature, signs & symptoms of abdominal emergencies.
49. The learner will discuss the nature, signs & symptoms of allergic reaction.
50. The learner will discuss the nature, signs & symptoms of altered mental states.
51. The learner will discuss the nature, signs & symptoms of diabetic emergencies.
52. The learner will discuss the nature, signs & symptoms of poisoning emergencies.
53. The learner will discuss the nature, signs & symptoms of OB/GYN emergencies.

The learner will discuss mechanism, signs & symptoms & management of trauma.

54. The learner will discuss mechanism of injury as it relates to kinetics trauma.
55. The learner will discuss bleeding & shock.
56. The learner will discuss soft tissue injuries.
57. The learner will discuss burn emergencies.
58. The learner will discuss musculoskeletal injuries and demonstrate use of appropriate splint in the management of those injuries.
59. The learner will discuss injuries of the head.
60. The learner will discuss injuries of the spine.
61. The learner will discuss injuries of the eye, face & neck.
62. The learner will discuss injuries of the chest, abdomen & genitals.
63. The learner will discuss agriculture and industrial emergencies.

The learner will discuss the management of care for the pediatric, adult, geriatric, and patients with special challenges populations.

64. The learner will discuss the management of care for the pediatric patient.
65. The learner will discuss the management of care for the adult patient.
66. The learner will discuss the management of care for the geriatric patient.
67. The learner will discuss the management of care for the patient with special challenges.

The learner will discuss the principles of emergency responses and operations.

68. The learner will discuss the principles of emergency response.
69. The learner will discuss the principles of hazardous materials awareness.
70. The learner will discuss the principles of incident management.
71. The learner will discuss the principles of multi-casualty incidents and triage.
72. The learner will discuss the principles of air medical transport.
73. The learner will discuss the principles of vehicle extrication.
74. The learner will discuss the principles of terrorism.

ASSESSMENT OF LEARNER OUTCOMES:

Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation. Results of written and practical exams and quizzes, both announced and unannounced, homework assignments, as well as reports regarding performance and attitude in the class and practical settings will be considered in determining a final grade. The students must maintain a minimum of 70% on the written material as well as pass all practical exams to qualify to challenge the state certification exam. **Written material is defined as all coursework except practical exams.** All exams are comprehensive. There are no make-ups or re-takes for quizzes. Students may, at the discretion of the instructor, be allowed to re-take exams for limited credit. If a student must miss an exam, make-up must be completed prior to the actual test date. Satisfactory performance in the area of practical skills will also help to determine successful completion of the course.

Grading scale:	90%-100%	A	Quizzes, Homework, Class Participation	20%
	80%-89%	B	Written Exams	25%
	70%-79%	C	Practical Exams	25%
	60%-69%	D		
	Below 60%	F	Final Exam	30%

COURSE POLICIES:

Because of the significant amount of material to be covered in a relatively short period of time, and the required number of certification hours dictated by the Board of EMS, attendance is mandatory unless sufficient cause for absence is demonstrated. **Attendance at the first class session is mandatory.** K.A.R. 109-11-8 requires students must attend at least 90% of the class sessions. No more than ten (10) hours of absence will be permitted. Students exceeding ten (10) hours of absence may not be allowed to continue in the class. The instructor must be contacted prior to any absence. A student arriving late to class or leaving class early without approval of the instructor will have that time deducted from total class attendance time. Students who sleep during class time will have the time deducted from total class hours. Students exhibiting disruptive or dishonest behavior, academic or otherwise will not be allowed to continue in the class. Students must attend any extra class sessions as designated by the class schedule. Attending class while under the influence of alcohol or illegal substances is grounds for dismissal from the course. If a student is suspected of being under the influence they may be asked to have a urinalysis done at their own expense. Equipment used in the course is expensive and requires proper handling and care. Students are to notify the instructor or staff if equipment is found to be not working or damaged. Tobacco use of any kind is prohibited on campus by College policy. Lab will have no more than a 6:1 student to instructor ratio.

*If a student's grade falls below a 75% at any time during the semester, open labs will become required for the student, until the grade has improved to a minimum of 80%.

** Open labs are HIGHLY encouraged for the student's successful outcome of this course.

CONTINUING EDUCATION:

This program only provides the student with opportunities to gain information, skills and attitudes necessary for certification and practice as an Emergency Medical Responder in the state of Kansas. The participant must plan to devote time and effort to continuing education in order to maintain certification as required by the state, as defined in KAR 109-5-1 and KAR 109-5-2. The process involves attending an organized continuing education program which has education as its explicit principal intent and which is oriented toward the enhancement of emergency medical services practice, value, skills, and knowledge.

STATE EXAM REQUIREMENTS:

Upon successful completion of this program (as defined in policies and exam and grading policy sections), the participant will be entitled to challenge the National Registry of EMTs EMR exam and Kansas practical exam for state certification. Each student challenging the exam must pay an application fee of \$15.00 to the Kansas Board of EMS, \$75.00 fee to Kansas City Kansas Community College (KCKCC) for the state of Kansas for the BLS psychomotor exam, practical exam and \$75.00 to the National Registry for the cognitive exam. Fees are subject to change without notice.

STUDENT PROGRESS CONFERENCES:

The instructor will provide progress reports and conference time during the course of the program. It is the student's responsibility to inform the instructor if he/she desires a conference. The student will be provided an opportunity to evaluate the course and instructors.

PARTICIPANT SAFETY:

This course work can place mental and physical demands on each student, which will necessitate maintaining good physical and mental health. The I/C, instructor, lab instructor will oversee classroom performance and directions given by training personnel should be followed accurately, and if not understood by the student, should be questioned to prevent problems. Personal safety must be considered at all times by the students, as well as the safety of the patients, and others involved in the care of those patients. The student will at no time perform any act in which he/she or faculty/staff deems unsafe or inappropriate. Any students with an infectious disease (cold, flu, hepatitis, etc.) should not participate in practical skill settings. If the condition permits, the student will attend class and observe. This time will be made up at the discretion of the I/C. The student will be responsible for the instruction and will practice on his/her own time to maintain skill levels in keeping with class progress at the time. Patients should not be put at risk from students with an infectious disease. Students will be provided with their own CPR mask and stethoscope, mannequins, airway adjuncts, etc. will be cleaned with disinfectant between student's use. It is imperative that all students maintain good personal hygiene habits while working with equipment and patients. Any student with chronic health problems or recent surgery or injury must present a medical release form from a physician. The I/C has the option at all times to request such a release.

All students should exercise care in labs while lifting. Any injury to a student while functioning as an Emergency Medical Responder student will be reported immediately to the instructor or I/C and the Director. Failure to follow safety procedures set forth for the course or KCKCC policies may result in expulsion from the course.

CLASSROOM DISRUPTIONS:

Cell phones and pagers must be turned off during class time, including laboratory work. If a pager or cell phone goes off during class, the instructor may confiscate it. Emergency exceptions to this policy will be handled on a case-by-case basis. Excessive talking or other classroom disruptions may result in assigned seating. Food and drinks are acceptable during class, however, it should not interfere with the learning or teaching process.

SOCIAL MEDIA POLICY:

Social media are internet-based tools for sharing and discussing information. Examples of social media include multimedia and social networks sites such as Twitter, Facebook, YouTube, LinkedIn, Pinterest..., blogs, wikis, message boards, micro-blogs. Both in professional and educational roles, students need to follow the same behavioral standards online as they would in real life. Any and all patient information obtained during patient care experiences is completely confidential without exception. Organizational material you may see or hear during your experiences is also considered confidential and should not be shared via social media. Students are fully responsible and liable for anything posted to social media sites, including comments in such postings which may be deemed to be defamatory, profane, obscene, proprietary, libelous or otherwise illegal. Sharing of any information considered confidential or violates College policies may result in dismissal from the course.

CLASSROOM AND LAB DRESS CODE:

Students should wear clothing that allows unrestricted movement during lab times. Long pants are recommended as students will be crawling on the floor. Students are requested to refrain from wearing offensive clothing while participating in KCKCC EMS courses. All clothing worn should be of appropriate length and size to cover the body and all undergarments, including when performing activities such as reaching, squatting, bending, etc. that may be required during lab and lecture. If a student's clothing is deemed inappropriate by KCKCC staff/faculty, the student will be asked to change. The I/C or Director will have the final determination if clothing is appropriate. Yoga pants and leggings are prohibited in class. Students will be provided a KCKCC t-shirt that must be worn on all class days. **These policies will be strictly enforced.**

KCKCC WEAPONS POLICY: The Kansas City Kansas Community College (KCKCC) has a prohibited Weapons Policy 5.12 applicable to all students, staff and guests of KCKCC. All weapons are generally prohibited on KCKCC property except as permitted under the limited circumstances described in the weapons policy and under Kansas law.

Please refer to the KCKCC Weapons Policy at <http://www.kckcc.edu/explore-kckcc/campus/safety/conceal-carry> or your student handbook for more information. Anyone who witnesses a violation of the KCKCC Weapons Policy should contact Campus Police at 913.288.7636. Violations of federal, state or local laws or KCKCC policies may result in discipline up to and including expulsion from the college, criminal charges and monetary fines for personal injuries or property damage.

STUDENT CODE OF CONDUCT AND THE STUDENT HANDBOOK: All enrolled students at KCKCC are subject to follow all rules, conditions, policies and procedures as described in both the Student Code of Conduct as well as the Student handbook. All students are expected to review both of these documents and to understand their responsibilities with regard to academic conduct and policies. The Student Code of Conduct and the Student Handbook can be found on the KCKCC website www.kckcc.edu.

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 a policy of educational equity. Accordingly, the College admits students, grants financial aid and scholarships, and conducts all educational programs, activities, and employment without regard to race, color, creed, religion, sex, national origin, age, sexual orientation, gender identity, marital status, ancestry, veteran status, or disabilities.

Any person having inquiries concerning College compliance with regulations implementing Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, or the American with Disabilities Act of 1990, is directed to contact Human Resources, Kansas City Kansas Community College, 7250 State Avenue, Kansas City, Kansas 66112, kckcchr@kckcc.edu or 913-288-7200.

Any person needing access to academic programs or college activities due to a documented disability is directed to contact the Student Accessibility and Support Services, 913-288-7664 for accommodations.

All enrolled students at Kansas City Kansas Community College are subject to follow all rules, conditions, policies and procedures as described in both the Student Code of Conduct as well as the Student Handbook. All Students are expected to review both of these documents and to understand their responsibilities with regard to academic conduct and policies. The Student Code of Conduct and Student Handbook can be found on the KCKCC website.