DATE OF LAST REVIEW: 04/2014
CIP CODE: 51.0904
SEMESTER: Departmental Syllabus
COURSE TITLE: Ambulance Internship
COURSE NUMBER: EMTC0255
CREDIT HOURS: 5
INSTRUCTOR: Departmental Syllabus
OFFICE LOCATION: Departmental Syllabus
OFFICE HOURS: Departmental Syllabus
TELEPHONE: Departmental Syllabus
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KCKCC-issued email accounts are the official means for electronically communicating with our students.

PREREQUISITES: EMTC0229

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

COURSE DESCRIPTION:
This course provides the student an opportunity to apply didactic content to the field environment. Activities are directed so that students gain familiarity with initiating and continuing care for injured and ill patients in a variety of field settings. Emphasis is placed on professional clinical practice guidelines for basic paramedic procedures. Students will practice safe operation of equipment, and appropriate technology selection for desired therapeutic effects under the direct supervision of a paramedic preceptor.

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. Obtain a pertinent medical history
   A. Components of a pertinent medical history.
   B. History of present illness or injury
   C. Pertinence of past medical history to present situation

II. Perform a complete physical assessment
   A. Review body systems
B. Components of vital signs
C. Importance of each vital sign

III. Implement appropriate care for patients
A. Drawing subcutaneous medication.
B. Administer a subcutaneous medication
C. Proper technique for an intramuscular injection
D. Complications of giving an intramuscular injection
E. Cleansing and dressing wounds
F. Obtain a venous blood sample

IV. Demonstrate the ability to correctly interpret EKG’s
A. Electrode application
B. Correlate EKG findings with patient’s status
C. Proper treatment for an arrhythmia
D. Procedure for using a transcutaneous pacer
E. Distinguish between dyshythmia and external electrical interference

V. Demonstrate the ability to institute appropriate airway management techniques
A. Airway suctioning
B. Endotracheal intubation
C. Oxygen; administration
D. Evaluate respiratory pattern and quality

VI. Demonstrate knowledge of medications
A. Drug reactions
B. Patients at risk for drug toxicities
C. Action of epinephrine
D. Side effects of common respiratory medications

VII. Demonstrate the ability to recognize cardiopulmonary arrest and to institute appropriate treatment modalities
A. Demonstrate CPR
B. Importance of “clearing the patient” before applying electrical therapy
C. Forms of electrical therapy available for arrest and peri-arrest situations
D. ACLS guidelines

EXPECTED LEARNER OUTCOMES:

A. The student will be able to demonstrate the ability to obtain a pertinent medical history on a variety of patients.
B. The student will be able to demonstrate the ability to perform a complete physical assessment on a patient.
C. The student will be able to, under the direct supervision of a clinical preceptor and/or physician, implement appropriate care for patients encountered in the clinical setting.
D. The student will be able to demonstrate the ability to correctly interpret EKG’s obtained from patients in the clinical setting.
E. The student will be able to demonstrate the ability to institute appropriate airway management techniques including oxygen therapy and endotracheal intubation.
F. The student will be able to demonstrate knowledge of medications used in the treatment of patients in emergency settings to include the medication, it’s mechanism of action, indications, contraindications, side effects, and overdose treatment, if any.
G. The student will be able to demonstrate the ability to recognize cardiopulmonary arrest and to institute appropriate treatment modalities.
COURSE COMPETENCIES:

The student will be able to demonstrate the ability to obtain a pertinent medical history on a variety of patients.
1. The student will list the components of a pertinent medical history.
2. The student will determine history of present illness or injury.
3. The student will relate pertinence of past medical history to present situation.

The student will be able to demonstrate the ability to perform a complete physical assessment on a patient.
The student will review body systems to be included in a complete patient assessment.
4. The student will identify what comprise the vital signs.
5. The student will determine characteristics important to each vital sign.

The student will be able to, under the direct supervision of a clinical preceptor and/or physician, implement appropriate care for patients encountered in the clinical setting.
6. The student will correctly draw up a given amount of subcutaneous medication.
7. The student will demonstrate the proper technique to administer a subcutaneous medication.
8. The student will demonstrate the proper technique for an intramuscular injection.
9. The student will list possible complications of giving an intramuscular injection.
10. The student will assist in the cleansing and dressing wounds.
11. The student will correctly obtain a venous blood sample.

The student will be able to demonstrate the ability to correctly interpret EKG’s obtained from patients in the clinical setting.
12. The student will perform electrode application for continuous monitoring.
13. The student will correlate EKG findings with the patient’s clinical status.
14. The student will provide proper treatment given an arrhythmia.
15. The student will demonstrate the procedure for using a transcutaneous pacer.
16. The student will identify potentially lethal dysrhythmias and distinguish between these and simple, external electrical interference (artifact).

The student will be able to demonstrate the ability to institute appropriate airway management techniques including oxygen therapy and endotracheal intubation
17. The student will recognize the need for and perform airway suctioning.
18. The student will recognize the need for endotracheal intubation.
19. The student will apply oxygen and understand the indications for percentage and flow rates administered.
20. The student will evaluate the patient for respiratory pattern and quality, including chest wall movement, skin color and temperature, and pulse rate, rhythm, and quality and then relate these findings to the expected course of treatment.

The student will be able to demonstrate knowledge of medications used in the treatment of patients in clinical settings to include the medication, it’s mechanism of action, indications, contraindications, side effects, and overdose treatment, if any.
21. The student will discuss the types of drug reactions that may occur
22. The student will identify those patients at risk for drug toxicities.
23. The student will identify the mechanism of action of epinephrine.
24. The student will identify the side effects of common respiratory medications.

The student will be able to demonstrate the ability to recognize cardiopulmonary arrest and to institute appropriate treatment modalities.
25. The student will demonstrate proper one person-CPR.
26. The student will recognize the importance of “clearing the patient” before applying electrical therapy to the patient.
27. The student will differentiate among the various forms of electrical therapy available for arrest and peri-arrest situations.
28. The student will demonstrate knowledge of ACLS guidelines in given situations.

_The student will be able to demonstrate the ability to obtain a pertinent medical history on a variety of patients._
29. The student will list the components of a pertinent medical history.
30. The student will determine history of present illness or injury.
31. The student will relate pertinence of past medical history to present situation.
32. The student will obtain patient identification and vital statistics (name, sex, date of birth, age, nationality, race, marital status and occupation).
33. The student will interview the caregiver/informant and his/her relationship to the patient.
34. The student will obtain the patient’s chief complaint which includes symptoms causing major discomfort.
35. The student will observe triage of patients into priorities of treatment.

_The student will be able to demonstrate the ability to perform a complete physical assessment on a patient._
36. The student will review body systems to be included in a complete patient assessment.
37. The student will identify what comprise the vital signs.
38. The student will determine characteristics important to each vital sign.
39. The student will listen and evaluate heart and breath sounds.

**ASSESSMENT OF LEARNER OUTCOMES:**
Assessment methods include, but may not be limited to: written tests, laboratory practicals, homework assignments and observation of professional behavior. Field preceptor evaluations of students are included when determining a grade.

**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 in Rm. 3354 or call at 288-7670.