

COURSE SYLLABUS

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| LAST REVIEW | Spring 2021 |
| COURSE TITLE | Paramedic Hospital Practice |
| COURSE NUMBER | PMED 0245 |
| DIVISION | Health Professions |
| DEPARTMENT | Emergency Medical Education |
| CIP CODE | 51.0904 |
| CREDIT HOURS | 5 |
| CONTACT HOURS/WEEK | Clinical: 15 |
| PREREQUISITES | PMED 0260 |
| COREQUISITES | PMED 0229 |
| COURSE PLACEMENT | This course is part of a selective admission program. Students must be admitted to the Paramedic program to enroll in this course. |

COURSE DESCRIPTION

This course provides the student an opportunity to apply didactic content and sim/lab practice to the clinical environment. Activities are directed so that students gain familiarity with initiating and continuing care for injured and ill patients in a variety of adult-child acute care 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. Clinical areas to be included are Behavioral Health, Burn Unit, Cardiac Cath Lab, Dialysis, Emergency Department, Intensive Care, Labor & Delivery, Respiratory Therapy, Surgery and Pediatrics.

Program Learning Outcomes

1. Perform Basic Life Support and Advanced Life Support skills.
2. Communicate effectively orally and in writing across a diverse set of situations and cultures and with individuals, teams and large groups.
3. Demonstrate effective analytical and critical thinking skills to make appropriate decisions in critical and non-critical situations.
4. Analyze ethical problems that occur in Emergency Medical Services to implement practical resolutions.

TEXTBOOKS

<http://kckccbbookstore.com/>

METHODS 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, 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
 - D. Pertinence of medications and allergies
- 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
 - G. Establish intravenous/intra-osseous access
 - H. Complications of intravenous/intra-osseous access
 - I. Proper technique for administering nebulized breathing treatment
- IV. Demonstrate the ability to correctly interpret EKG's
 - A. Electrode application
 - B. Correlate EKG, 12-Lead findings with patient's status
 - C. Proper treatment for arrhythmias
 - D. Procedure for using a transcutaneous pacer, performing cardioversion
 - E. Distinguish between dysrhythmia and external electrical interference
- V. Demonstrate the ability to institute appropriate airway management techniques
 - A. Airway suctioning, ventilations
 - B. Placement of OPA, NPA, supraglottic airway, performing endotracheal intubation
 - C. Oxygen administration
 - D. Evaluate respiratory pattern and quality
 - E. Monitor and interpret SpO₂, ETCO₂ findings

F. Performing CPAP

VI. Demonstrate knowledge of medications

- A. Class
- B. Indications and contraindications
- C. Actions
- D. Side effects and adverse reactions, patients at risk for drug toxicities
- E. Dosages and routes of administrations
- F. Drug calculations and drip rates.

VII. Demonstrate the ability to recognize cardiopulmonary arrest and to institute appropriate treatment modalities

- A. Demonstrate effective CPR
- B. Electrical therapy pad placement
- C. Safety considerations before applying electrical therapy
- D. Forms of electrical therapy available for arrest and peri-arrest situations
- E. ACLS and PALS guidelines
- F. Post-resuscitation care

VIII. Demonstrate the ability to recognize and apply appropriate infection control procedures.

- A. Demonstrate an understanding of infection control concepts
- B. Demonstrate the ability to recognize level of protection needed based on patient care setting.
- C. Demonstrate appropriate pre and post care hygiene.
- D. Demonstrate appropriate donning and doffing of gloves, masks and gowns.
- E. Demonstrate appropriate cleaning of equipment.
- F. Demonstrate appropriate handling and disposal of sharps.

COURSE LEARNING OUTCOMES

Upon successful completion of this course, the student will:

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

- H. Demonstrate the ability to recognize the need and perform appropriate infection control procedures.

ASSESSMENT OF COURSE LEARNING OUTCOMES

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

COLLEGE POLICIES AND PROCEDURES

Student Handbook

<https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf>

College Catalog

<https://www.kckcc.edu/academics/catalog/index.html>

College Policies and Statements

<https://www.kckcc.edu/about/policies-statements/index.html>

Accessibility and Accommodations

<https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html>.