Syllabus

DATE OF LAST REVIEW: 02/2013

CIP CODE: 51.0908

SEMESTER: Department Syllabus

COURSE NAME: CRT Comprehensive Review Studies

COURSE NUMBER: RSCR0297

CREDIT HOURS: 3

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: Departmental Syllabus

EMAIL: Departmental Syllabus

KCKCC issued emails accounts are the official means for electronically communicating with our students.

PREEQUISITES: Admission to the Respiratory Therapy Program, or permission of the instructor.

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

COURSE DESCRIPTION:

This course is a comprehensive review of respiratory therapy. Students study the National Board for Respiratory Care CRT Exam Detailed Content Outline, and practice answering board-type exam questions.

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, learning experiences, and performances outside the classroom. Methodology will be selected to best meet student needs.
COURSE OUTLINE:

I. Patient Data Evaluation
   A. Patient records
   B. Lab Data
   C. Clinical information

II. Equipment Application and Cleanliness
   A. Equipment selection, assemble and usage
   B. Troubleshoot equipment
   C. Infection control
   D. Quality control

III. Therapeutic Procedure Initiation and Modification
   A. Maintain records
   B. Communicate information
   C. Pharmacology
   D. Artificial airways
   E. Broncho-pulmonary secretions
   F. Respiratory support
   G. Objective and subjective responses
   H. Therapeutic procedures
   I. Respiratory care plans
   J. Recommend modifications
   K. Cardiopulmonary Status
   L. Assistant to the physician
   M. Pulmonary rehabilitation
   N. Special Procedures
   O. Home care

EXPECTED LEARNER OUTCOMES:

A. The student will perform a comprehensive chart review
B. The student will examine laboratory data for abnormal findings
C. The student will maintain equipment cleanliness and demonstrate appropriate application
D. The student will ensure infection control
E. The student will perform quality control procedures respiratory care policy
F. The Student will maintain records and communicate the patient’s condition
G. The student will initiate and modify therapeutic procedures in an Emergency Setting
H. The student will maintain a patent airway including the care of artificial airways
I. The student will discuss various therapeutic interventions to achieve adequate Respiratory Support
J. The student will initiate and conduct rehabilitation and Home care within the prescription

COURSE COMPETENCIES:

*The student will perform a comprehensive chart review.*

1. The student will examine and evaluated data in a simulated patient record
2. The student will examine lab data.

*The student will examine laboratory data for abnormal findings.*

3. The student will analyze lab data to include: pulse oximetry, bedside spirometry blood gas/hemoximetry analysis
The student will maintain equipment cleanliness and appropriate application
4. The student will be able to select, assemble and check equipment for proper function, operation and cleanliness.

The student will ensure infection control
5. The student will protect the patient from Nosocomial infections
6. The student will be able to assure proper handling of bio-hazardous materials.

The student will perform quality control procedures based on respiratory care policies
7. The student will perform QC on blood gas analyzers, co-oximeters, and other sampling devices

The student will maintain records and communicate the patient’s condition.
8. The student will record therapy and results using approved medical terminology
9. The student will apply computer technology
10. The student will communicate information other healthcare personnel

The student will initiate and modify therapeutic procedures in and emergency setting.
11. The student will be able to treat cardiopulmonary collapse according to BCLS, ACLS, Pediatric Advanced Life Support (PALS, and Neonatal Resuscitation Program (NRP).

The student will maintain a patent airway including the care of artificial airways.
12. The student will properly position the patient
13. The student will perform endotracheal intubation and extubation and maintain a tracheostomy.
14. The student will maintain adequate humidification

The student will discuss various therapeutic interventions to achieve adequate respiratory support.
15. The student will instruct, initiate and adjust IPPB therapy, continuous mechanical ventilation settings, non-invasive ventilation, CPAP and PEEP to ensure adequate respiratory support.
16. Instruct and encourage bronchopulmonary hygiene techniques
17. Administer aerosol therapy, administer prescribed agents [e.g., bronchodilators, corticosteroids, saline, mucolytics]

The student will initiate and conduct pulmonary rehabilitation and home care with in the prescription.
18. The student will be able to explain planned therapy and goals to patients in understandable terms to achieve optimal therapeutic outcome.
19. The student will be able to counsel the patients and family concerning smoking cessation.
20. Educate patient and family in disease management
21. Instruct patient and family to assure safety and infection

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.

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