COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Introduction to Respiratory Care
COURSE NUMBER	RSCR 0220
DIVISION	Health Professions
DEPARTMENT	Respiratory Therapy
CIP CODE	51.0908
CREDIT HOURS	3
CONTACT HOURS/WEEK	Class: 3
PREREQUISITES	None
COURSE PLACEMENT	This course is part of a selective admission program. Students must be admitted to the Respiratory Therapy program to enroll in this course.

COURSE DESCRIPTION

This course introduces the student to topics related to the role of an entry-level Respiratory Care Practitioner (RCP). This class covers health care organizations and structures, health care communications, medical ethics, medical-legal documentation, quality and evidenced-based respiratory care, electronic medical records, patient education and health promotion, and medical terms and symbols. In addition, students will investigate the areas of specialization within Respiratory Care.

PROGRAM ALIGNMENT

This course is part of a program aligned through the Kansas Board of Regents and Technical Education Authority. For more information, please visit:
https://kansasregents.org/workforce_development/program-alignment

PROGRAM LEARNING OUTCOMES

1. Formulate the knowledge and critical reasoning skills necessary to pass the National Board for Respiratory Care Therapist Multiple Choice Exam.
2. Execute the variety of assessment and intervention skills necessary to provide respiratory care in the clinical setting at the entry Registered Respiratory Therapist level.
3. Integrate professional behaviors necessary at the entry Registered Respiratory Therapist level.

TEXTBOOKS

http://kckccbookstore.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. Past, present and future of respiratory care
    A. Overview of the history and development of respiratory care
    B. Major events in science and medicine
    C. Historical figures in respiratory care
    D. Respiratory care educational, credentialing and professional associations
    E. Future trends for the respiratory care profession

II. Quality and Evidence-based respiratory care
    A. Methods for monitoring quality of respiratory care
    B. Respiratory care protocols and therapist–driven protocol
    C. Disease management
    D. Application of evidence-based medicine

III. Patient safety
    A. Body mechanics and posture
    B. Ambulating a patient
    C. Electricity, hospital fires, and back injuries.
    D. Safe management of medical gasses and MRI

IV. Health care communication
    A. Communication process
    B. Improving communication
    C. Health care team roles and responsibilities

V. Medical Ethics
    A. Ethical dilemmas
    B. Code of Conduct
    C. Codes of Ethics
    D. Ethical vs legal decision making models
    E. Ethical theories and principles
    F. Malpractice and negligence
    G. HIPPA
    H. Advance directives

VI. Computer applications, electronic health records and medical records
    A. Computer applications in clinical care, management, education and research.

B.   Maintaining security and confidentiality
C.   Legal aspects of recordkeeping
D.   Charting

VII.   Initiate and conduct patient education and health promotions and health care reimbursement
A.   Learning domains
B.   Teaching children vs teaching adults
C.   Heath promotions and disease prevention
D.   DRG
E.   Fee for service system
F.   HMO, PPO, Medicaid, Medicare

VIII.   Decision making and Critical thinking
A.   Protocols, algorithms, pathway, guidelines
B.   Time management
C.   Outcomes
D.   Prioritizations

IX.   Medical terms and symbols
A.   Medical terms and symbols
B.   Common medical abbreviations
C.   Respiratory therapy terms and symbols

COURSE LEARNING OUTCOMES AND COMPETENCIES
Upon successful completion of this course, the student will:
A.   Explain the role of respiratory care practitioners, credentials, major respiratory care organizations.
1.   Define respiratory care.
2.   Summarize some of the major events in the history of science and medicine.
3.   Name some of the important historical figures in respiratory care.
4.   Understand major respiratory care educational, credentialing (CRT, RRT) and professional associations.
5.   Identify different respiratory care organizations e.g., AARC, NBRC.
6.   Understand the development of respiratory care.
7.   Predict future trends for the respiratory care profession.

B.   Apply quality and evidence based respiratory care protocol.
8.   Explain methods used for monitoring the quality of respiratory care.
9.   Explain how respiratory care protocol enhances the quality of respiratory care services.
10. Explain therapist–driven protocol.
11. Define disease management.
12. Understand application of evidence-based medicine.

C. Describe patient safety in the hospital environment.
13. Describe how to apply good body mechanics and posture to moving patients.
14. Describe how to ambulate a patient.
15. Define electricity, including voltage, current and resistance.
16. List the conditions needed for fire and how to minimize fire hazards.
17. Describe safe use of medical gases and MRI safety.

D. Practice health care communication methods.
18. List the factors of the communication process.
19. Describe how to improve communication effectiveness.
20. Explain the roles and responsibilities of various health care workers.

E. Describe medical ethics.
21. Explain an ethical dilemma and how it arises in healthcare.
22. Describe the respiratory therapy Code of Ethics and be able to compare the Hippocratic Oath to Respiratory Therapy Code of Conduct.
23. Define patient rights.
24. Explain how professional codes of ethics apply to ethical decision making.
25. Explain and apply different ethical principles e.g., autonomy, veracity, nonmaleficence, beneficence, confidentiality etc.
26. Describe what constitutes professional malpractice and negligence.
27. Summarize the basic elements of the Health Insurance Portability and Accountability Act (HIPAA).
28. Describe the role of advance directives and living wills in health care.

F. Apply an understanding of computer applications and electronic health records.
29. Describe computer applications and internet sources in clinical care, management, education and research e.g., telemedicine, Pubmed, Medline, NAEPP.
30. Understand and browse various websites used in respiratory care e.g., CDC, ARDS
31. List tje steps of maintaining security and confidentiality.
32. Describe legal aspects of recordkeeping.
33. Explain different methods of charting, e.g. SOAP.

G. Initiate and conduct patient education and health promotions.
34. Write learning objectives in the cognitive, affective, and psychomotor domains.
35. Compare and contrast how adults and children learn
36. Describe the respiratory therapist's role in a disease management program such as Asthma and COPD.
37. Explain the importance of health education, health promotion, and disease prevention.

38. Define reimbursement methodsm e.g., DRG, Fee for Service, HMO, PPO, Medicaid, and Medicare.

H. Apply decision-making and critical thinking skills.
   39. List questions for patient assessment.
   40. Differentiate urgent, non-urgent, important, and not important tasks.
   41. Prioritize tasks by doing worksheets.
   42. Participate in small group activities to apply critical thinking skills and decision-making skills in different clinical scenarios.
   43. Follow different algorithms of protocol, e.g., Oxygen therapy protocol.
   44. Explain short term, long term and immediate outcomes.

I. Review medical terms and symbols.
   45. Summarize medical terms and symbols.
   46. Explain common medical abbreviations.
   47. Explain respiratory therapy terms and symbols.

ASSESSMENT OF COURSE LEARNING OUTCOMES AND COMPETENCIES
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.