

COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Asthma Disease Management
COURSE NUMBER	RSCR 0286
DIVISION	Health Professions
DEPARTMENT	Respiratory Therapy
CIP CODE	51.0908
CREDIT HOURS	3
CONTACT HOURS/WEEK	Class: 3
PREREQUISITES	None
COURSE PLACEMENT	Must be a student in the Respiratory Therapy or Nursing program or have permission of the instructor.

COURSE DESCRIPTION

This class applies the NIH National Asthma Education and Prevention Guidelines. Course content includes an overview of asthma awareness, triggers, prevention, medications and treatment. The course structure provides asthma resources to individuals who have asthma and their families, as well as healthcare providers wanting to develop their asthma disease management abilities.

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. The Mechanisms of Asthma
 - A. Prevalence, Morbidity and Mortality of Asthma
 - B. Asthma Pathophysiology, e.g., inflammation, bronchial hyper responsiveness, bronchial edema, airway remodeling
 - C. Asthma Triggers, e.g., allergens, irritants, intrinsic, extrinsic, co-morbid conditions as triggers such as GERD, and sinusitis

- II. Assessment of Individuals with Asthma
 - A. Interview Assessment; e.g., history, signs and symptoms, triggers, treatment
 - B. Physical Assessment; e.g., signs and symptoms, WOB, lung sounds
 - C. Clinical Laboratory data, e.g., IgE, skin testing
 - D. Pulmonary Function Laboratory data, e.g., PEFr, spirometry, pre/post medication
 - E. Demographic data, e.g., socioeconomic, psychosocial, health literacy

- III. Asthma Management utilizing National Asthma Education and Prevention Program (NAEPP) Guidelines
 - A. Diagnosing and staging asthma severity
 - B. Differentiate asthma from conditions that may mimic asthma, e.g., OSA, vocal cord dysfunction
 - C. Medications and Delivery Devices
 - D. Behavioral and Environmental Modifications; e.g., avoiding triggers
 - E. Education Plans, e.g., patient, family, schools, community
 - F. Asthma Action Plans, e.g., zones, medications, managing asthma attacks
 - G. Periodic reassessment and monitoring

COURSE LEARNING OUTCOMES AND COMPETENCIES

Upon successful completion of this course, the student will:

- A. Recall the mechanisms of asthma.
 1. Recall the prevalence, morbidity, and mortality of asthma.
 2. Recall the pathophysiology of asthma.
 3. Recall the triggers of asthma.

- B. Evaluate and recommend clinical data to assess individuals with asthma.
 4. Evaluate and recommend interview assessment for asthma management.
 5. Evaluate and recommend physical assessment for asthma management.
 6. Evaluate and recommend clinical laboratory data for asthma management.
 7. Evaluate and recommend pulmonary function laboratory data for asthma management.
 8. Evaluate and recommend demographic data for asthma management.

- C. Evaluate and recommend clinical data to manage asthma utilizing NAEP Guidelines.
9. Evaluate and recommend clinical data to diagnose and classify the severity of asthma.
 10. Evaluate and recommend clinical data to differentiate asthma from conditions that may mimic asthma.
 11. Evaluate and recommend clinical data to manage medications and delivery devices for asthma.
 12. Evaluate and recommend clinical data to manage behavioral and environmental modifications for asthma.
 13. Evaluate and recommend clinical data to manage education plans for asthma.
 14. Evaluate and recommend clinical data to manage action plans for asthma.
 15. Evaluate and recommend clinical data to manage periodic reassessment and monitoring for asthma.

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>.