Syllabus

LAST REVIEW   Spring 2021

COURSE TITLE   Basic Concepts of Pathophysiology

COURSE NUMBER   BIOL 0284

DIVISION   MSBT

DEPARTMENT   Biology

CIP CODE   24.0101

CREDIT HOURS   3

CONTACT HOURS/WEEK Class: 3

PREREQUISITES   BIOL 0141, BIOL 0271, and BIOL 0272

COURSE PLACEMENT   Students must meet the correct placement measure for this course. Information may be found at: https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html

COURSE DESCRIPTION
This course is designed to enhance the understanding of common disease processes that occur in diverse individuals across the lifespan. Alterations in physiological functions of the human body and general concepts of disease processes, including the etiology, pathophysiology, and clinical manifestations, are discussed. Altered physiological functions are described at a basic cellular, organ, and systemic level. *Students are encouraged to take BIOL 0261 before or at the same time at this course.*

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
   A. Integrate caring behaviors in practicing the art and science of nursing within a diverse population.
   B. Implement professional standards and scope of practice within legal, ethical, and regulatory frameworks.
   C. Collaborate with clients and members of the inter-professional health care team to optimize client outcomes.
   D. Formulate safe and effective clinical judgements guided by the nursing process, clinical reasoning, and evidence-based practice.

E. Manage care and provide leadership to meet client needs using available resources and current technology.
F. Generate teaching and learning processes to promote and maintain health and to reduce risks for a global population.
G. Demonstrate effective communication methods to manage client needs and to interact with other health care team members.

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. Introduction to pathophysiology
II. Immune system
III. Nervous system
IV. Neuromuscular & skeletal systems
V. Endocrine system
VI. Circulatory system
VII. Integumentary system
VIII. Renal system
IX. Respiratory system
X. Digestive & excretory systems

COURSE LEARNING OUTCOMES AND COMPETENCIES
Upon successful completion of this course, the student will:
A. Define the basic pathogenesis of human disease.

B. Describe the basic pathophysiology and etiology of common disease processes of each major body system.

C. Apply knowledge of anatomy and physiology to identify typical clinical manifestations of commonly occurring disease processes.

D. Explain the impact of variables, including age, gender, race, and ethnicity, on the occurrence and clinical manifestations of commonly occurring disease processes.

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.