SEWARD COUNTY COMMUNITY COLLEGE
COURSE SYLLABUS

I. TITLE OF COURSE: BI2304 - Human Anatomy

II. COURSE DESCRIPTION: 4 credit hours
3 credit hours of lecture and 1 credit hours of lab per week.

Designed to fulfill the requirements for two year and/or four year degrees pursued by students entering the fields of medical related sciences, physical education, and biological sciences. Structure of the human body on a cell, tissue, organ, and system level will be covered. For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

Pre-requisite:
Refer to placement matrix.

III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:

The Science Program at Seward County Community College provides opportunities to improve and enhance each student understanding and comprehension of the natural world through a variety of courses and experience to develop a scientifically literate citizen.

IV. TEXTBOOK AND MATERIALS:

1. Marieb & Hoehn, Human Anatomy & Physiology, 10th edition, Pearson 2013. Required
2. Marieb & Mitchell, Human Anatomy & Physiology Laboratory Manual, 10th edition, Pearson 2012.Required
3. A Brief Atlas of the Human Body, 2nd edition, Pearson, 2007. (Additional material, not required)
4. Interactive Physiology CD-ROM, Pearson 2008. (Additional material, not required)

V. SCCC OUTCOMES:

1. Read with comprehension, be critical of what they read, and apply knowledge gained to real life
2. Communicate ideas clearly and proficiently in writing, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.

4. Demonstrate mathematical skills using a variety of techniques and technologies.
5. Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information
9. Exhibit workplace skills that include respect for others, teamwork competence, attendance/punctuality, decision making, conflict resolution, truthfulness/honesty, positive attitude, judgment, and responsibility

VI. COURSE OUTCOMES:

Expected learning outcomes of this course are in alignment with the learning objectives established by the Statewide Core Competencies.

1. Recognize, histologically, from a drawing, photomicrograph or by microscopic examination, the tissues of the human body.
2. Describe, either orally or on a written examination, the general architecture of each of the body? systems.
3. Identify, on a complete skeleton, each of the bones and selected bone markings of the human body.
4. Identify the major muscles of the body and give their actions.
5. Identify, on a model or preserved specimen, specific structures found in a particular body system.
6. Explain, either orally or on a written examination, the functional interrelationships between each of the systems that comprise body regions
7. Correlate, either orally or on a written examination, the anatomical basis of selected clinically relevant dysfunctions.
8. Broaden his/her educational background by integrating information and procedures utilized in understanding the anatomy of humans.
9. Gain an understanding of the structures of the body from the cellular level to system level.
10. Understand and appreciate scientific methods and information through practical experiences in the laboratory and discussions.
11. Recognize the dependence of human anatomy on intrinsic and extrinsic factors.
12. Appreciate the interrelatedness of ideas, concepts, and means of expression.
13. Achieve greater self-reliance of determining and understanding of major systems comprising the anatomy of the human body.

VII. COURSE OUTLINE:

Upon completion of this course, students will understand…

A. Body Plan and Organization
B. Homeostasis
C. Chemistry and Cell Biology
D. Histology
E. Integumentary System
F. Skeletal System
G. Muscular System
H. Nervous System
I. Special Senses
J. Endocrine System
K. Cardiovascular System
L. Lymphatic System
M. Immunity
N. Respiratory System

O. Digestive System
P. Metabolism
Q. Urinary System
R. Fluid/Electrolyte and Acid/Base Balance
S. Reproductive System

VIII. INSTRUCTIONAL METHODS:

Lectures, discussion, and laboratory exercises will be the prime means of class presentation. Prepared slides of tissue, models, charts, computer programs, video, and dissection will be used. Class exams and lab practical exams will be given at the appropriate times.

IX. INSTRUCTIONAL AND RESOURCE MATERIALS:

1. Commercially prepared slides
2. Charts
3. Models
4. Video
5. 35 mm slides
6. Skeleton, articulated and disarticulated
7. Sheep brain dissection
8. Cat full dissection
9. Computer Software

X. METHODS OF ASSESSMENT:

SCCC Outcome #1 will be assessed and measured by multiple choice questions; essay questions that allow the student to illustrate knowledge, depth of understanding, and creativity; problem-based learning for assessment of thinking and decision-making skills, values, and attitudes. This could include critical analysis and web-based projects for assessment of acquiring, processing, and evaluation of information.
SCCC Outcome #2 will be assessed and measured by essay questions that allow the student to illustrate knowledge, depth of understanding, and creativity; and problem-based learning for assessment of thinking and decision-making skills, values, and attitudes (this could include critical analysis and web-based projects for assessment of acquiring, processing, and evaluation of information).
SCCC Outcome #4 will be assessed and measured by laboratory procedures for demonstrating the use of lab skills to answer questions; and long-term investigations to assess inquiry and decision-making skills, experimental design, communication and understanding of the scientific process.
SCCC Outcome #5 will be assessed and measured by use of computer simulations, Internet research for the written paper assignment, and use of technological instruments in the student laboratory.
SCCC Outcome #9 will be assessed and measured by laboratory procedures for demonstrating the use of lab skills; observation of how students interact and assist one

another in lab; and long-term investigations to assess inquiry and decision-making skills, experimental design, communication and understanding of the scientific process.

XI. ADA STATEMENT:

Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or going to the Student Success Center in the Hobble Academic building, room 149 A.

XII. CORE OUTCOMES PROJECT:

The learning outcomes and competencies detailed in this course outline or syllabus meet, or exceed the learning outcomes and competencies specified by the Kansas Core Outcomes Groups project for this course as approved by the Kansas Board of Regents
KRSN: BIO2030

Syllabus Reviewed: 5/19/2021