



Semester: [Fall 2017]

This syllabus is a plan, not a contract. Changes may occur during the term as the instructor deems necessary.

I. On-Ground Course Information:

- **Course Title: Anatomy & Physiology**
- **Course Number: BIO 2045**
- **KRSN Number: [BIO2020]**
- **Prerequisites: None**
- **Credit Hours: 5**
- **Required Textbook and Supplies:** Hole's Human Anatomy and Physiology, Shier, David and Butler, Jackie, & Lewis, Ricki. 14 edition. McGraw Hill.
Visual Guide to Human Anatomy & Physiology. Morton Pub.
- **Course Description:** This course is an introductory study of the structure and functions of the human body suitable to transfer for biology, nursing, physical therapy, and other health related fields. Emphasis is placed on both the anatomy and physiology of the organs and body systems and the interactions between them. Detailed review of tissue histology is included in laboratory exercises. Other laboratory exercises include dissections of sheep brains, eyes, hearts kidneys and cats. Physiology experiments include examination of electrocardiograms, isolated muscle responses on physiographs, and simulated blood work. Offered during the fall and spring semesters.

IV. Learning Outcomes: Upon completion of this course, students will be able to do the following:

1. The student will identify the various levels of biological structures and the language used to describe them:
 - a. be able to use anatomical terminology
 - b. explain homeostasis
 - c. identify cellular structures and their functions
 - d. identify and describe tissue types and their location in the human body.
2. The student will identify and describe the systems associated with body covering, support, and movement.
3. The student will identify and describe systems that integrate, regulate, and control the activities of the body, including the nervous system, special senses, and the endocrine system.
4. The student will identify and describe the systems responsible for fluid equilibrium and transport and gas exchange in the body, including the cardiovascular system, the lymphatic system, and the respiratory system.
5. The student will identify and describe the systems that relate to environmental exchange and reproduction including the digestive system, urinary system, and the reproductive system.

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.

V. Grading Policy:

Grades will be calculated based upon the following scale unless licensing or accreditation boards have a higher standard:

100 – 90%	A
89 – 80%	B
79 – 70%	C
69 – 60%	D
Below 60%	F

VI. Credit Description:

A credit hour is defined as one hour of classroom instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester of credit. So for every course credit hour, the typical student should expect to spend at least three clock hours per week of concentrated attention on course-related work, including but not limited to time attending class, as well as out-of-class time spent reading, reviewing, organizing notes, preparing for upcoming quizzes/exams, problem solving, developing and completing projects, and other activities that enhance learning. Thus, for a three hour course, a typical student should expect to spend at least nine hours per week dedicated to the course.

VII. Common Learning Expectations: All sections of Anatomy and Physiology use the activities listed below to measure whether you learned a required learning outcome for this course:

1. **Lecture Exams (format may vary)**
2. **Lab Exams (all lab exams are given as practicums)**