

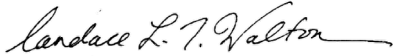


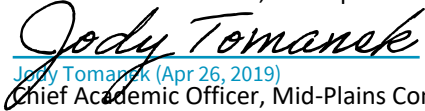




Syllabus
BIOS2250
Human Anatomy & Physiology I
2019

Committee Members:

Stuart Williams, Central Community College
No representative, Little Priest Tribal College
Del Stallwood, Metropolitan Community College
Carla Long, Mid-Plains Community College
Hank Miller, Nebraska Indian Community College
Angie Jackson, Northeast Community College
Rebecca Burt, Southeast Community College
Tracy O'Neal, Western Nebraska Community College

Facilitator: Angie Jackson

The Institution agrees to the contents in this syllabus including course prefix, number, course description and other contents of this syllabus.

 Chief Academic Officer, Central Community College	Adopt
 Manoj Patil (Apr 26, 2019) Chief Academic Officer, Little Priest Tribal College	Adopt
 Thomas J McDonnell (May 13, 2019) Chief Academic Officer, Metropolitan Community College	Decline
 Jody Tomanek (Apr 26, 2019) Chief Academic Officer, Mid-Plains Community College	Adopt
 Kristine Sudbeck (May 17, 2019) Chief Academic Officer, Nebraska Indian Community College	Adopt
 Lyle Kathol (May 13, 2019) Chief Academic Officer, Northeast Community College	Adopt
 Dennis Headrick (Apr 29, 2019) Chief Academic Officer, Southeast Community College	Adopt
 Kim Kuster Dale (Apr 29, 2019) Chief Academic Officer, Western Nebraska Community College	Adopt

I. CATALOG DESCRIPTION

Course Number: BIOS2250

Course Title: Human Anatomy & Physiology I

Prerequisite(s): College General Biology (BIOS1010) or Department Approval.

Catalog Description: Introduction to the form and function of the human body. Including organization, basic chemistry, cells, tissues, skin, skeletal system, muscular system, nervous system and introduction special senses.

Credit Hours: 4 semester hours / 6 quarter hours

Contact Hours: 45 (lecture) / 30 (lab)

II. COURSE OBJECTIVES / COMPETENCIES

Course will:

1. Facilitate student exploration of the organization and biochemistry of the human body, from the cellular to the organismal level.
2. Compare and evaluate human tissues from human body.
3. Examine the integumentary system and accessory structures.
4. Explore the anatomy and physiology of the skeletal system.
5. Investigate the anatomy and physiology of the muscular system.
6. Discuss and summarize the anatomy and physiology of the nervous system, including an introduction to the special senses.
7. Provide hands-on laboratory learning opportunities that reinforce lecture content.

III. STUDENT LEARNING OUTCOMES

Students will be able to:

1. Discuss the relationship between anatomy and physiology.
2. Use terms of relative position, landmarks, and body cavities to correctly locate an anatomical structure, disease process, or trauma
3. Explain the basic biochemical activities of human body cells, tissues, and organs
4. Explain the functions of major parts of a typical cell.
5. Identify tissue types and name examples of each.
6. Relate the contribution of tissues to the function of organs they compose.
7. Locate and identify bones by standard names.
8. Understand and be able to explain physiology of skeletal tissue.
9. Locate and identify muscles by standard names.
10. Understand and be able to explain the physiology of muscle tissue.
11. Identify nervous system anatomy by standard names.
12. Explain the physiology of nervous tissue and synaptic transmission.

IV. COURSE CONTENT / TOPICAL OUTLINE

1. Introduction to Anatomy and Physiology
2. Biochemistry
3. Cellular level of Organization
4. Histology
5. Integumentary System
6. Skeletal System
7. Muscular System
8. Nervous System

V. INSTRUCTIONAL MATERIALS

A. Required Text(s) Suggested

Hole's Human Anatomy & Physiology; 15th edition; David Shier, Jackie Butler, Ricki Lewis; McGraw Hill Publishing

Human Anatomy & Physiology; 12th edition; EN Marieb and K. Hoehn; Pearson Publishing

Seeley's Anatomy & Physiology; 10th edition or newer; Cinnamon VanPutte et. al., McGraw Hill Publishing

Human Anatomy and Physiology; 2nd edition; Erin C. Amerman; Pearson Publishing

Anatomy and Physiology; 2nd edition; Betts, et.al.; OpenStax Publishing

Recommended textbooks also include editions of those listed above with copyright dates between 2015-2022.

VI. METHOD OF PRESENTATION / INSTRUCTION

The following may be utilized during this course: lecture, laboratory activities, discussion, supplemental learning objects such as animations/videos, demonstrations, companion Internet site access, and in-class activities.

VII. METHODS OF EVALUATION

Evaluation of student learning will be through activities such as tests and exams, quizzes, projects, writing assignments, presentations, outside research, portfolios, and online activities.

VIII. INSTITUTIONAL DEFINED SECTION

(To be used at the discretion of each community college as deemed necessary)











BIOS2250 - Human Anatomy & Physiology I - 2019

















Final Audit Report

2019-05-17

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