DEPT.: BIOL COURSE NO.: 2250

NUMBER OF CREDITS: 4

COURSE TITLE: Anatomy and Physiology I

CATALOG DESCRIPTION: Investigates certain principles of cellular physiology, anatomical terminology, histology, and the anatomy and physiology of the integumentary, skeletal, muscular, nervous and endocrine systems.

AUDIENCE: Any student going into the health science disciplines or professions.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)

Area 3: by meeting the following competencies: a, b, c, d

Area : by meeting the following competencies:

Area : by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: BIOL 1110

LENGTH OF COURSE: One semester

THIS COURSE IS USUALLY OFFERED:

Every other year fall spring summer undetermined

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT:

1. To understand enough human anatomy and physiology to be able to advance to Anatomy & Physiology II.
2. To understand the fundamental functions of cells, tissues and organ systems of the human body.

3. To understand enough human anatomy and physiology to be able to interpret medical and anatomical articles found in the literature.

4. To know basic anatomical and physiological terminology.

2) THINKING SKILLS:

1. Developing the ability to interpret the individual variations between laboratory specimens.

2. Developing the ability to use anatomical and physiological knowledge to reason out anomalies.

3. Developing the ability to sort out the most essential anatomical and physiological knowledge from the myriad of information presented into an understandable body of knowledge.

3) COMMUNICATIONS SKILLS:

1. Developing the skill of writing succinct but complete answers to essay questions.

2. Developing the ability to correctly pronounce and spell anatomical and physiological terminology.

3. Enhancement of science writing skills through completion of laboratory assignments.

4) HUMAN DIVERSITY:

1. Students will recognize that, although there are superficial differences between racial and ethnic groups, all humans are anatomically similar.

2. Students will learn that many of the racial differences are simply adaptive responses to environmental factors of ages past.

TOPICS TO BE COVERED: See Attached
LIST OF EXPECTED COURSE OUTCOMES: To have an introductory level knowledge of the anatomy and physiology of the organization of the body, support and movement systems, central nervous system, and nutrition and metabolism.

LEARNING/TEACHING TECHNIQUES used in the course are:

Collaborative Learning   Problem Solving
Student Presentations   Interactive Lectures
Creative Projects   Individual Coaching
Lecture   Films/Videos/Slides
Demonstrations   Other (describe below)
Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

Reading   Tests   Individual Projects
Oral Presentations   Worksheets   Collaborative Projects
Textbook Problems   Papers   Portfolio
Group Problems   Term Paper
Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES:

Although attendance is not required, it is strongly recommended as it reflects in your overall performance.

Grades will be determined as a percentage of total points using the following scale:
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<th>Grade</th>
<th>Percentage of Total Points</th>
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<tr>
<td>A+</td>
<td>97-100%</td>
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<td>A</td>
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<td>B+</td>
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**Veteran Services:** Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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