Course: BIOL 2122

Catalogue Description: This course supports the corresponding lecture Anatomy and Physiology II and provides students with an opportunity to increase their understanding of human anatomy and physiology by observing and dissecting fresh and preserved materials, performing investigations of physiological processes, building models to aid in understanding the relation of structure to function, performing simple test to measure physiological processes.

Context: No prerequisites are listed. This course is required of nursing, nutrition, physical education, and nuclear medicine. It may be taken to satisfy the core curriculum requirement for a laboratory science when completed with the lecture class. The course may not be repeated for credit.

Course Overview: This course is designed to provide students with an opportunity to increase their understanding of human anatomy and physiology by observing and dissecting fresh and preserved materials, performing investigations of physiological processes, building models to aid in understanding the relation of structure to function, performing simple test to measure physiological processes, and participating in selected field experiences. Students will work in collaborative lab groups. Students will be required to follow a written protocol, gather and record data, use a microscope, and properly use lab equipment. Topics covered will correspond to the content areas included in the lecture component that relates to the course. Topics to be covered include basic circulation, respiration, immunity; digestion, urinary system and reproduction. Laboratory safety procedures are an important content area to be mastered in the context of the lab experience.

Course Outcomes: Upon completion of the course, students will be able to
1. apply laboratory safety rules in the laboratory
2. plan and execute laboratory protocols,
3. analyze and evaluate data, identify and classify anatomical structures,
4. correlate results of simple tests to physiological functions,
5. predict the implications of disease or injury,
6. demonstrate function through the use of models.

These objectives will be assessed by weekly quizzes and completion of weekly laboratory reports.

Disability Accommodations
The University is committed to providing a supportive and challenging environment for all students. In accordance with the American with Section 504 of the Rehabilitation Act - Subpart E and Title III disabilities act (ADA), the University ensures accessibility to its programs, services and activities for qualified students with documented disabilities. For more information contact the Student Disability Services Office:

Location Administration Building – Room105
Phone (210) 829-3997
Fax (210) 829-6078
www.uiw.edu/sds

Policy on academic Integrity
The highest standards of academic honesty are expected in the course. Forms of academic dishonesty include, but are not limited to cheating, plagiarism, counterfit work, falsification of academic record, unauthorized reuse
of work, theft, and collusion. See the Student Handbook for definitions and procedures for investigation of claims of academic dishonesty.

Approval Date: Fall 2010