Course: BIOL 2322 Anatomy and Physiology II

Catalogue Description: Anatomy and Physiology II is a course covering the second half of a two-semester sequence on the structure and function of the human organism. The purpose of this course is to familiarize students with the endocrine system, circulation, immunity, respiration, digestion, urinary system, homeostasis of acid, base, and fluids, reproduction, and development.

Prerequisite: BIOL 2321 Anatomy and Physiology I

Context: This course is required of nursing, nutrition, kinesiology, rehabilitative science, athletic training, and nuclear medicine. It serves as preparation for entry into many of the health professions at the graduate level. 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: Anatomy and Physiology II is a course covering the second half of a two-semester sequence on the structure and function of the human organism. The purpose of this course is to familiarize students with the endocrine system, circulation, immunity, respiration, digestion, urinary system, homeostasis of acid, base, and fluids, reproduction, and development. This course is designed for students in the allied health fields, biology, pre-service teachers, and physical education. Topics covered will correspond to the content areas included in the lecture component that relates to the course. Topics to be covered include basic anatomical terminology, endocrine system, circulatory system, immune system, respiratory system, digestive system, urinary system, reproductive system, and acid/base balance.

Course Outcomes: Upon completion of the course, students will be able to:

1. Identify anatomical structures and describe their function;
2. Explain how body systems interact at various levels of organization to maintain a dynamic equilibrium;
3. Relate structural characteristics to their function;
4. Apply knowledge of anatomy and physiology to understanding health and disease;
5. Interpret basic physiological tests and relate physiological data to the function of body systems;
6. Evaluate the effect of external environment on coordination and control of homeostasis;
7. Participate in decision making that affects the student’s own health;
8. Describe the structure and function of the endocrine, circulatory, respiratory, lymphatic, digestive, urinary, and reproductive systems.

Objectives will be evaluated by written exams and quizzes.

Disability Statement

The University of the Incarnate Word is committed to providing a supportive, challenging, diverse and integrated environment for all students. In accordance with Section 504 of the Rehabilitation Act – Subpart E and Title III of the Americans with Disabilities Act (ADA), the University ensures accessibility to its programs, services and activities for qualified students with documented disabilities.

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, counterfeit 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 2013