Outline of Instruction

Division: Science/Mathematics
Area: Biological Science

Course Number: BIOL 155
Course Name: Allied Health Anatomy & Physiology
Prerequisite: CHEM 150 or BIOL 151 or high school biology or chemistry
Corequisite: NONE

Hours Required: Class: 45 Lab: 30 Credits: 4 (four)

Course Description/Purpose
A one semester course which surveys the fundamental concepts of cellular structure and human body organization. Basic anatomy and physiology of the 10 body systems is integrated with laboratory exercises using models and microscope slides to illustrate human anatomy. This course cannot be used to meet the anatomy and physiology requirements of the nursing or respiratory therapy associate degree programs. Course requires laboratory work. Dissection of preserved animal specimens is required.

Major Units
- Organization, Terminology, Homeostasis
- Chemistry
- Cells
- Histology
- Skin
- Skeletal System and Articulations
- Muscle System
- Nervous System
- Endocrine System
- Cardiovascular System
- Respiratory System
- Digestive System
- Urinary System
- Reproductive System

Laboratory Topics
- Microscope Introduction
- Cellular Anatomy
- Mitosis
- Tissue Types
- Skeletal System
- Muscular System
- Nervous System
- Special Senses
- Endocrine System
- Cardiovascular System
- Respiratory System
- Digestive System
- Urinary System
- Reproductive System

Educational/Course Outcomes
Student learning will be assessed by a variety of methods, including, but not limited to, quizzes and tests, journals, essays, papers, projects, laboratory/clinical exercises and examinations, presentations, simulations, portfolios, homework assignments, and instructor observations.

Cognitive
Each student will be expected to Identify/Recognize...
- the organization of the body on a chemical, cellular, and tissue level;
- the principles of support and movement through the study of the skeletal and muscular systems;
- the control systems of the human body.

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