

Description of Courses

Taught by Pennsylvania Highlands Community College

BIO 202 - Human Anatomy and Physiology I - 3 credits

This course introduces the student to the structure and function of the human body. This is a semester long introduction to Human Anatomy and Physiology and prepares the student for Human Anatomy and Physiology II. Course topics will include the organization of the body at the molecular, cellular, and tissue levels and homeostatic mechanisms associated with the endocrine, integumentary, skeletal, muscle, and nervous systems.

Prerequisite(s): BIO 104 Principles of Biology I or accepted by CSON or high school biology within the last five years

Co-requisite(s): BIO 212 Human Anatomy and Physiology Lab

BIO 212 - Human Anatomy and Physiology Lab I - 1 credit

This course introduces the student to the structure and function of the human body. This is a semester long introduction to Human Anatomy and Physiology Lab applications. Students will experience and apply the material learned in lecture through experimentation and application of the scientific method to the following topic areas. Course topics will include the organization of the body at the molecular, cellular, and tissue levels, focusing on the integumentary, skeletal, muscle, and nervous systems.

Prerequisite(s): BIO 104 Principles of Biology I; or accepted by CSON; or high school biology within the last five years

Co-requisite(s): BIO 202 Human Anatomy and Physiology I

BIO 204 - Human Anatomy and Physiology II - 3 credits

This course is the second half of a yearlong introduction to Human Anatomy and Physiology. Course topics will include the organization of the body systems at the molecular, cellular, and tissue levels and homeostatic mechanisms associated with the cardiovascular, respiratory, lymphatic, digestive, urinary and reproductive systems.

Prerequisite(s): BIO 202 Human Anatomy and Physiology I or accepted by CSON

Co-requisite(s): BIO 214 Human Anatomy and Physiology II Lab

BIO 214 - Human Anatomy and Physiology Lab II - 1 credit

This course is the continuation of BIO 212 Human Anatomy and Physiology I Lab. Students will experience and apply the material learned in lecture through dissection and application of the scientific method to the following topic areas: cardiovascular, muscular, lymphatic, respiratory, digestive, urinary, reproductive, and endocrine systems.

Prerequisite(s): BIO 202 Human Anatomy and Physiology I or accepted by CSON

Co-requisite(s): BIO 204 Human Anatomy and Physiology II Lecture

ENG 110 - English Composition I - 3 credits

This course emphasizes the techniques of writing expository essays with stress upon careful thinking, word choice, sentence structure, and methods of organization. Students practice the writing of clear, coherent, and unified paragraphs and essays. Editing skills and the use of correct grammar and mechanics are also emphasized. Students are taught research skills and are required to write an argumentative research paper. This is the standard college English composition course.

Prerequisite(s): Placement Testing

HSC 146 - Pharmacology - 3 credits

This course emphasizes drug therapy as an integral part of health care. Students will develop a theoretical knowledge-base of major drug classifications and be able to relate this knowledge to the pharmacologic aspects of client/patient care. This study of pharmacokinetics and pharmacodynamics assists in analyzing patient responses to drug therapy.

Prerequisite(s): BIO 202 Human Anatomy and Physiology I and BIO 212 Human Anatomy and Physiology Lab I; BIO 204 Human Anatomy and Physiology II and BIO 214 Human Anatomy and Physiology Lab II

BIO 206 - Microbiology - 3 credits

This course is designed to introduce students to the fundamental concepts of microbiology, and the application of those concepts to human disease. Lecture will include the study of microorganisms, their metabolic processes, and their relationship to disease.

Prerequisite(s): BIO 104 Principles of Biology I Lecture or accepted by CSON

Co-requisite(s): BIO 216 Microbiology Lab

BIO 216 - Microbiology Lab - 1 credit

This course is designed to introduce students to the fundamental concepts of microbiology, through the application of those concepts to human disease. Laboratory work includes culturing, staining, studying, and identifying microorganisms.

Prerequisite(s): BIO 104 Principles of Biology I or accepted by CSON

Co-requisite(s): BIO 206 Microbiology

PSY 100 - General Psychology - 3 credits

This course is a general introduction to the scientific study of the brain, behavior, and mental processes of humans and animals, with emphasis on the goals of psychology: to describe, explain, predict, and control behavior. Students examine the substance of psychology such as biopsychology, sensation and perception, learning, memory, cognitive processes, affective behaviors, and mental illness through an examination of the theories, principles, and methods of research used in the field. Examples and applications enable the student to acquire the elements of critical thinking as adapted to the research environment. Students produce an APA formatted research paper. This course applies the fundamental principles of psychology as a natural science. Students explore current research through reading original empirical research and write an APA formatted analytic research paper.

PSY 130 - Human Development Across the Lifespan - 3 credits

This course covers various aspects of human development across the life span. It focuses on theoretical issues, developmental tasks, human differences, and applications of the knowledge with the area of human development. Human development is a broad field that looks at the changes, processes, and challenges encountered in daily living. Life span development examines the body of knowledge we call development. This course will expose students to the wide range of environmental factors, from physical to multicultural, aging, typical and atypical interactions between the organism and the environment, the normal and the challenges, the success and the failures of living.

SOC 100 - Introduction to Sociology - 3 credits

This is an introductory course that will familiarize the student with the basic principles and theories associated with sociology. This course will prepare students to look critically at a variety of social issues. Critical thinking is emphasized as students are provided thought provoking opportunities in challenging them to examine their diverse world.

HSC 270 - Diet Therapy for Nursing Students - 3 credits

Medical Surgical Nursing I: 8 weeks - 5 credits

This course builds upon previously learned knowledge and technical skills. Physical assessment, data collection and interview skills are enhanced to obtain a comprehensive health history. The patient's life style and potential for rehabilitation are analyzed. A range of acute and chronic alterations in health care are addressed. Attention is given to musculoskeletal, diabetes mellitus, gastrointestinal, cardiovascular, and respiratory system alterations in health. Supervised clinical experiences correlate with nursing theory. Students begin to care for a multiple patient assignment and gain experience in intravenous and phlebotomy skills. Critical thinking skills are enhanced through case studies addressing excellence in nursing care in the human-to-human interaction of nurse and patient.

Medical Surgical Nursing II: 8 weeks - 5 credits

This course encourages collaboration with a multidisciplinary health team. Students focus on meeting individualized health needs of every patient in an expanding patient assignment. Nursing consideration is given for patients with oncology, male/female reproductive problems, hematologic, valvular heart disease and abdominal aortic aneurysm. Emphasis is placed on maintaining dignity, respect and sensitivity to one's self and others. Clinical case studies address acute and chronic situations to help the patient and family reduce health risks and make modifications in life style to reinforce basic prioritization, decision-making and delegation activities. The student begins to provide and prioritize care for a multiple-patient assignment in the clinical setting.

Medical Surgical Nursing III: 8 weeks - 5 credits

This course enhances, as well as emphasizes, the ongoing progression of multiple medical-surgical problems that patients may encounter. There is an increased emphasis on collaboration with the multidisciplinary health team. Students focus

and spiritual dimension involves the co-creation of coping skills for the individual and family. Community resources are stressed. The clinical practicum provides an expanded opportunity to prioritize and organize the health care needs of multiple acutely ill patients. The student anticipates and alters their plan of care to the ever changing health status of the complex patient. Time management and a higher level of clinical judgment are required. Critical thinking and problem-