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BIO-117 Basic Anatomy & Physiology I (4.00 cr.)

This course is designed to introduce the basic principles of anatomy and physiology to nursing and allied health students. Following an introduction to the organization of the human body, basic chemistry, and basic cell biology, Basic Anatomy and Physiology (BIO 117) examines the histology, gross anatomy and functions of organs of the integumentary, skeleton, muscular, and nervous systems. Laboratories are designed to supplement the lecture material and include the use of the following materials: histology slides, models, preserved specimens and computer simulated physiology exercises.

Lecture (30.00), Laboratory (60.00)

Prerequisites: MTH-029, and ENG-013 and ENG-023 or ENG-046

BIO-118 Basic Anatomy & Physiology II (4.00 cr.)

This course is designed to introduce the basic principles of anatomy and physiology to nursing and allied health students. Following an introduction to the organization of the human body in Basic Anatomy and Physiology I (BIO-117), this continuation course examines the histology, gross anatomy and functions of organs of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Laboratories are designed to supplement the lecture material and include the use of the following material: histology slides, models, preserved specimens and computer simulated physiology exercises.

Lecture (30.00), Laboratory (60.00)

Prerequisites: BIO-117

BIO-121 Basic Microbiology (4.00 cr.)

This course is designed to introduce the basic principles of microbiology to nursing and allied health students. Topics include biological concepts of cell structure, growth, reproduction, genetics, classification, beneficial microbe/human interactions, infections and host defenses. Laboratory exercises are designed to

teach microscopy, staining, cultivation and identification of bacteria, control of microbial growth, aseptic technique and proper disposal of contaminated items. Lecture and Laboratory activities will emphasize analytical thinking and problem-solving ability.

Lecture (45.00), Laboratory (45.00)

Prerequisites: MTH-029, and ENG-013 and ENG-023 or ENG-046

BIO-221 Microbiology I (4.00 cr.)

Microbiology I is a comprehensive course covering the study of bacteria, fungi, and viruses. Laboratory exercises emphasize standard techniques used for the food, health, pharmaceutical, and other industries.

Lecture (45.00), Laboratory (45.00)

Prerequisites: BIO-111

CHM-101 General, Organic & Biological Chem I (4.00 cr.)

This course is designed for allied health students such as nurses. This course is not equivalent to CHM-111 and is NOT appropriate for pre-medical or pre-pharmacy students or for those majoring in chemistry, biology, physics or engineering. This course is an introduction to fundamental principles and concepts of general chemistry including the topics of measurements, atomic structure, the periodic table, chemical bonds, stoichiometry, oxidation-reduction, gases, solids, liquids, solutions, colloids, rates of chemical reaction, equilibrium, acids and bases, and nuclear chemistry. Laboratory experiments illustrate the listed chemical principles and develop familiarity with laboratory techniques.

Lecture (45.00), Laboratory (45.00)

Prerequisites: CHM-010, MTH-029, and ENG-013 and ENG-023 or ENG-046

ENG-101 English Composition I (3.00 cr.)

This course acquaints the student with the conventions of expository writing. It offers training in clear, logical communication and encourages the student to read, analyze, discuss, and write. The “substance” of English Composition I is the essay: students study both the content and the rhetoric of selected essays and write essays which thoughtfully develop their own ideas in good rhetorical form.

Lecture (45.00)

Prerequisites: ENG-013 and ENG-023, or ENG-046

ENG-102 English Composition II (3.00 cr.)

English Composition II is the second semester of a two-semester course. Its purpose is to develop more fully the reading, writing, and speaking ability of the composition student to build on the basis of English Composition I. English Composition II will

especially stress argumentative writing and will provide the student with a strong basis in the rhetoric of argumentation. In addition, the development of the student's research skills and ability to handle source material are important aspects of this course.

Lecture (45.00)

Prerequisites: ENG-101

HIS-101 World Civilization I (3.00 cr.)

An introduction to the major cultures of the world from the ancient period to c.800 C.E. in Africa, Asia, Europe, and Latin America, this course will analyze these cultures in their political, economic, and religious aspects, and will also reflect the latest information on the role of women in society. The objectives of this course are to give students a greater understanding of why the world is the way it is today, to develop within the students the necessary skills to analyze both contemporary and historical societies and their institutional components, and to cultivate an awareness of foreign cultures and societies in order to give new perspectives on our own cultural assumptions and traditions. This course should not be taken by students who have taken HIS-111, Western Civilization I.

Lecture (45.00)

Prerequisites: ENG-013 and ENG-023, or ENG-046

MTH-111 Introduction to Statistics (3.00 cr.)

This course provides students majoring in health, criminal justice, or liberal arts with a basic introduction to statistical concepts and methods. Topics covered include: frequency distributions; measures of central tendency and variability; linear regression and correlation; fundamentals of probability; binomial and Normal distributions; sampling distributions and the Central Limit Theorem; confidence intervals; and hypothesis testing on a single population. Many majors require a more rigorous introductory statistics course and students are advised to check their major requirements prior to registration. Students are required to purchase a Texas Instruments TI-83/84 or TI-83/84 Plus calculator.

Lecture (45.00)

Prerequisites: MTH-029 and ENG-013

PHL-232 Biomedical Ethics (3.00 cr.)

This course is an examination of influential ethical theories, both classic and contemporary, and the application of those theories to current dilemmas in the fields of medicine and dentistry. This course is not to be taken by students who have taken PHL-131, Introduction to Ethics; credit will not be given for both courses.

Lecture (45.00)

Prerequisites: ENG-013 and ENG-023, or ENG-046

PSY-101 Basic Psychology (3.00 cr.)

This introductory course covers the major principles and scientific research underlying behavior and mental processes. Topics include history and schools of psychology, careers in psychology, research methods and ethics, biological foundations of behavior, sensation and perception, basic principles of learning, thinking, memory, language, intelligence, motivation, emotion, personality, social behavior, mental disorders, and therapies.

Lecture (45.00)

PSY-109 Developmental Psychology (3.00 cr.)

This course covers the process of psychological development through the life span from infancy up to and including the senior years. It reviews the current theories and scientific research findings. The role of genetic factors, maturation, learning factors in the development of motivation, intellect, social, and emotional adjustment are presented.

Lecture (45.00)

Prerequisites: PSY-101

SOC-101 Introduction to Sociology (3.00 cr.)

This course is designed to help students understand and think about the behavior of people in groups, with emphasis on mastery of fundamental sociological concepts and an introduction to systematic social analysis. The course may consider newer sociological developments, culture and socialization, social organization, social classes, collective behavior, population, urbanization, and social change.

Lecture (45.00)

Prerequisites: ENG-013 and ENG-023, or ENG-046