

AHP - Allied Health Professions

AHP 7000 Human Physiology (4)

Students will develop critical understanding of human physiology. Topics will include cellular processes, tissue composition and histology, and organ system functions. At the end of the course, students will be able to explain physiological concepts across organ systems and relate abnormal physiological mechanisms to disease processes.

AHP 7100 Human Gross Anatomy I (3)

Students will develop mastery of the fundamentals of human gross anatomy. As the course progresses, students will be able to explain relationships between anatomical structures, describe relevant functions of structures, and apply this knowledge to appropriate clinical settings in normal and disease conditions. In the second of two courses, students will cover the anatomy of the following regions: back, chest and upper limb, head and neck, and a survey of the neuroanatomy of the central nervous system. Material covered in lectures will be explored during dissections and guided prosections in the co-requisite laboratory.

Co-requisite: AHP 7101.

AHP 7101 Human Gross Anatomy I Lab (1)

A laboratory course focused on dissection of human cadavers. Students will complete independent and guided dissections to identify structures described in the co-requisite lecture course and to reinforce functional and clinical considerations. Anatomical models, virtual dissections, and instructor-prepared prosections will be used to further enhance and supplement student-led cadaveric dissections. **Co-requisite:** AHP 7100.

AHP 7200 Human Gross Anatomy II (3)

Students will develop mastery of the fundamentals of human gross anatomy. As the course progresses, students will be able to explain relationships between anatomical structures, describe relevant functions of structures, and apply this knowledge to appropriate clinical settings in normal and disease conditions. In the second of two courses, students will cover the anatomy of the following regions: thorax, abdomen, thoracic and abdominal viscera, pelvis, perineum, and lower limb. Material covered in lectures will be explored during dissections and guided prosections in the co-requisite laboratory. **Prerequisite:** AHP 7100. **Co-requisite:** AHP 7201.

AHP 7201 Human Gross Anatomy II Lab (1)

A laboratory course focused on dissection of human cadavers. Students will complete independent and guided dissections to identify structures described in the co-requisite lecture course and to reinforce functional and clinical considerations. Anatomical models, virtual dissections, and instructor-prepared prosections will be used to further enhance and supplement student-led cadaveric dissections. **Co-requisite:** AHP 7200.

AHP 7500 Translational Research (2)

Translational research facilitates the translation of findings from basic science to practical applications that enhance human health and well-being. This course focuses on the research process from problem formulation to analysis and interpretation to application in the healthcare setting. Quantitative and qualitative methodologies are addressed. The fundamental knowledge needed to plan, implement, and evaluate a research study is provided.

AHP 7510 Biostatistics for Health Sciences (3)

This course is a basic introduction to the use of statistics. Topics covered include: descriptive statistics,

probability, sampling estimation, t- and Z-tests, chi-square tests, one-way analysis of variance and regression analysis. Computers will be used for some computation analysis

AHP 8400 Advanced Pathophysiology (3)

Lecture and discussion of pathologic states common to the health compromised population, necessitating access to the health care system, will be offered. Focus will be on primary disease processes of the nervous, endocrine, and respiratory systems, common therapies, and their relationship to restorative and rehabilitative services.