

ALLIED HEALTH (ANAT)

ANAT 206 Applied Human Anatomy & Physiology I (3 Units)

This course is designed to familiarize students to the structure, function, and physiology of the human body. Topics covered include organization of the body, chemistry, cells, tissues, integumentary system, the skeletal, articulations, muscular system, respiratory system, blood, and cardiovascular system. (Formerly 2780:206)

Ohio Transfer 36: Yes

Gen Ed: Natural Science

ANAT 207 Applied Human Anatomy & Physiology II (3 Units)

This course is designed to familiarize students the structure, function, and physiology of the human body. This course is the second portion of a two part course. Topics covered include the following body systems: nervous system, senses, endocrine system, lymphatic system, immune system, digestive system, urinary system, male reproductive system, female reproductive, and life span development. (Formerly 2780:207)

Ohio Transfer 36: Yes

Gen Ed: Natural Science

ANAT 210 Applied Human Anatomy & Physiology Lab I (1 Unit)

Pre/Corequisite: ANAT 206. This course is an adjunct to the lecture of the structure and function of the human body. This course will be hands on learning to assist in the understanding of anatomy and physiology. Topics covered include organization of the body, chemistry, cells, tissues, skeletal system, muscular system, hematology, cardiovascular, and respiratory systems (Formerly 2780:210)

Gen Ed: Natural Science with Lab

ANAT 211 Applied Human Anatomy & Physiology Lab II (1 Unit)

Pre/Corequisite: ANAT 207. This course is an adjunct of an introduction to the structure and function of the human body. This course will be hands on learning to assist in the learning of anatomy and physiology. Topics covered include the following body systems; nervous, senses, endocrine, digestive, urinary, reproductive, lymphatic, and human development. (Formerly 2780:211)

Gen Ed: Natural Science with Lab

ANAT 290 Special Topics: Allied Health (1-2 Units)

Prerequisite: Permission. Selected topics or subject areas of interest in allied health. (May be repeated for a total of four credits) (Formerly 2780:290)

ANAT 350 Clinical Applications of Immunology for the Health Professions (3 Units)

Prerequisites: ANAT 206, ANAT 207, ANAT 210, and ANAT 211. This course offers an in-depth exploration of immunology with a focus on its applications in health and disease management. Students will gain a comprehensive understanding of the immune system's structure, function, and regulatory mechanisms, as well as its role in protecting against infections, cancer, and autoimmune disorders. The course emphasizes the clinical and translational aspects of immunology, including vaccine development, immunotherapies, and diagnostic technologies. Topics covered will include innate and adaptive immunity, hypersensitivities, immunodeficiencies, and the immune system's interaction with pathogens and microbiota. Students will also examine emerging research in fields such as precision medicine and immunology. Through a combination of lectures and case studies, students will develop practical skills in experimental immunology and critical analysis of scientific literature.