

ANATOMY & PHYSIOLOGY (ANAT)

Correction: Added missing Advisory: BIOL 1 9/5/2025

ANAT 10A Introductory Human Anatomy

4 Units (Degree Applicable, CSU, UC, C-ID #: BIOL 110B)

UC Credit Limitation

Lecture: 54 Lab: 54

Advisory: *BIOL 1*

Macroscopic and microscopic structures of the human body. Emphasis on gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory and reproductive systems from cellular to organ system levels of organization. Comparison of normal, aging, and diseased structures. This course is primarily intended for nursing, allied health careers such as respiratory technician and radiology technology, kinesiology, and other health related majors.

ANAT 10B Introductory Human Physiology

4 Units (Degree Applicable, CSU, UC, C-ID #: BIOL 120B)

UC Credit Limitation

Lecture: 54 Lab: 54

Prerequisite: *(CHEM 10 or CHEM 40 or CHEM 50 or CHEM 50H) and (ANAT 10A or ANAT 35)*

Advisory: *BIOL 1*

Study of the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, organ system and organism level: integumentary system, bone, nervous system, skeletal muscle, smooth muscle, cardiac muscle, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, reproductive system, and electrolyte and acid-base balance. This course is primarily intended for Nursing, Allied Health, Kinesiology and other health related majors.

ANAT 35 Human Anatomy

5 Units (Degree Applicable, CSU, UC)

UC Credit Limitation

Lecture: 54 Lab: 108

Prerequisite: *BIOL 1 or BIOL 4 or BIOL 4H*

Study of the anatomy of the human body. The development, structure and components of organ systems of the body will be studied at the gross and histological levels. Laboratory study will include the use of human anatomical models and human skeletons as well as the observation of prosected human cadavers and prepared histology slides.

ANAT 36 Human Physiology

5 Units (Degree Applicable, CSU, UC)

UC Credit Limitation

Lecture: 54 Lab: 108

Prerequisite: *(BIOL 1 or BIOL 4 or BIOL 4H) and ANAT 35 and (CHEM 10 or CHEM 40)*

Human physiology at the cellular and molecular levels covering muscular, nervous, circulatory, respiratory, renal, digestive, endocrine, and reproductive systems. Includes regulation and integration of organ systems where appropriate.

ANAT 38 Pathophysiology

3 Units (Degree Applicable, CSU, UC)

Lecture: 54

Prerequisite: *(ANAT 10B or ANAT 36) and (MICR 1 or MICR 22)*

Alterations in homeostasis and cellular function and diseases of bodily systems. Emphasis is placed on a comparison between disease states and structure and function in healthy individuals.

ANAT 40A Human Prosection

2 Units (Degree Applicable, CSU)

Lab: 108

Prerequisite: *ANAT 35 and Instructor approval required*

ANAT40A is an advanced course in human anatomy in which students prosect anatomical specimens from university Willd Body Programs for use in demonstrations in Anat 35 and Anat 40 classes. Students learn techniques for human prosection while exploring regional superficial and deep human muscles and joints at the gross level. Anatomy 40A and 40B must be taken to receive credit for college level prosection. Students can only earn the Human Prosection Certificate by taking ANAT 40A and ANAT 40B.

ANAT 40B Human Prosection

2 Units (Degree Applicable, CSU)

Lab: 108

Prerequisite: *ANAT 40A*

Techniques for human prosection. Regional exploration of the human organ systems at the gross level with emphasis on the organs, blood vessels and nerves of the body cavities.

ANAT 99 Special Projects in Anatomy

2 Units (Degree Applicable, CSU)

Lecture: 36

Prerequisite: *Approved Independent Study Learning Contract*

Offers selected students recognition for their academic interest in anatomy and the opportunity to explore the discipline of anatomy in greater depth. The content of the course and the methods of study vary from semester to semester and depend on the particular project under consideration. Instructor's authorization is required to enroll in this course.