ANATOMY & PHYSIOLOGY
(ANAT)

ANAT 10A Introductory Human Anatomy
4 Units (Degree Applicable, CSU, UC, C-ID #: BIOL 110B)
Lecture: 54  Lab: 54
Advisory: BIOL 1

Macroscopic and microscopic structures of the human body. Emphasis on cell structures, skeletal, muscular, respiratory, circulatory, nervous, digestive, excretory, endocrine, and reproductive systems. Comparison of normal, aging, and diseased structures.
Course Schedule

ANAT 10B Introductory Human Physiology
4 Units (Degree Applicable, CSU, UC, C-ID #: BIOL 120B)
Lecture: 54  Lab: 54
Prerequisite: ANAT 10A or ANAT 35
Advisory: (CHEM 10 or CHEM 40) and BIOL 1

Integrated study of the function of and interaction between the skeletal, muscular, respiratory, circulatory, nervous, digestive, excretory (including electrolyte and acid-base balance), endocrine, and reproductive systems (including human genetics and embryology).
Course Schedule

ANAT 35 Human Anatomy
5 Units (Degree Applicable, CSU, UC)
Lecture: 54  Lab: 108
Prerequisite: BIOL 1 or BIOL 4 or BIOL 4H

Structure of the organ systems at the gross, subgross, and microscopic levels based on human material and dissection of the cat. Designed to serve as an introduction to vertebrate embryology.
Course Schedule

ANAT 36 Human Physiology
5 Units (Degree Applicable, CSU, UC)
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.
Course Schedule

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.
Course Schedule

ANAT 40A Human Prosection
2 Units (Degree Applicable, CSU)
Lab: 108
Prerequisite: ANAT 35

Techniques for human prosection. Regional exploration of superficial and deep human muscles at the gross level. Anatomy 40A and 40B must be taken in sequence in order to receive credit for college level prosection.
Course Schedule

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.
Course Schedule

ANAT 99 Special Projects in Anatomy
2 Units (Degree Applicable, CSU)
Lecture: 36

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.
Course Schedule