

# Anatomy and Cell Biology (ANAT)

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## **ANAT 315. Anatomy I. 4 hours.**

Structural and functional anatomy of the human head, neck and orofacial complex. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

## **ANAT 316. Anatomy II. 1 hour.**

Introduction to the structural and functional systems biology of the human body. Course Information: Prerequisite(s): ANAT 315.

## **ANAT 399. Undergraduate Laboratory Research. 1-4 hours.**

Laboratory research for advanced undergraduates. Course Information: Animals used in instruction. Satisfactory/Unsatisfactory grading only. May be repeated. Application of credit toward the degree is contingent upon the approval of the student's college and/or department. Prerequisite(s): Junior standing or above and consent of the instructor.

## **ANAT 403. Human Neuroanatomy. 3 hours.**

Morphological organization of the nervous system. Functional correlations of neural structures. Course Information: Same as NEUS 403. Meets eight weeks of the semester. Prerequisite(s): Graduate standing and consent of the instructor. Must be in a degree program. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

## **ANAT 414. Neuroanatomy for Allied Health Program. 3 hours.**

Basic Development and gross features of the central nervous system and systems neuroanatomy; motor, sensory and integrative functional areas. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

## **ANAT 439. Gross Human Anatomy I. 3 hours.**

Gross structure of the adult human thorax, abdomen, pelvis and perineum, emphasizing spatial relationships and functional/clinical relevance. Includes embryology and radiology topics. Course Information: Limited to six (6) students. Prerequisite(s): Graduate standing in a degree-granting program only and consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

## **ANAT 440. Gross Human Anatomy II. 4 hours.**

Gross structure of the adult human head & neck/deep back and limbs, emphasizing spatial relationships and functional/clinical relevance. Includes embryology and radiology topics. Course Information: Limited to six (6) students. Prerequisite(s): Graduate standing in a degree-granting program only and consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

## **ANAT 441. Gross Human Anatomy. 5 hours.**

Functional and structural anatomy of the body. Course Information: For allied health students. Prerequisite(s): Graduate standing and consent of the instructor; or enrollment in the Doctor of Physical Therapy program or M.S. in Biomedical Visualization program. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

## **ANAT 442. Cell Structure and Human Histology. 5 hours.**

Structure and function of cells and fundamental tissues. Function and microscopic anatomy of organs. Course Information: Prerequisite(s): Graduate standing and consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

## **ANAT 443. Case Studies in Clinical Anatomy. 3 hours.**

Clinical approach to human anatomy by examining a series of case studies. An introduction to clinical medicine using problem based learning to integrate anatomical knowledge with clinical signs and patient symptoms. Course Information: Prerequisite(s): ANAT 441.