

**ANAT 58 Course Outline as of Spring 1998****CATALOG INFORMATION**

Dept and Nbr: ANAT 58 Title: INTRO HUMAN ANATOMY

Full Title: Introduction to Human Anatomy

Last Reviewed: 2/10/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	1	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

A survey of human anatomy including study of gross and microscopic tissue organized by systems. This introductory course is designed for allied health majors who require a fundamental background in human anatomy. (Not intended for physical education, nursing (RN) or physical therapy majors.)

**Prerequisites/Corequisites:****Recommended Preparation:**

Eligibility for ENGL 100A or ENGL 100.

**Limits on Enrollment:****Schedule of Classes Information:**

Description: A survey of human anatomy, including study of gross and microscopic tissues organized by systems. This introductory course is designed for allied health majors who require a fundamental background in human anatomy. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100A or ENGL 100.

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>		Effective:	Inactive:
	C	Natural Sciences	Fall 1981	
<b>CSU GE:</b>	<b>Transfer Area</b>		Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>		Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
<b>UC Transfer:</b>		Effective:		Inactive:

**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

A successful student in Anatomy 58 should be able to:

1. describe overall organization of human anatomy.
2. describe anatomical structures and basic function of human systems studied from cellular to gross anatomy.
3. Be able to identify and classify specific cells, tissues, organs, and their associated features within the human body.
4. Apply appropriate laboratory skills germane to this course, including use of light microscope, observation and comparison of tissue structure and use of basic anatomical terminology.
5. Communicate theoretical and specific knowledge of human anatomy effectively through written reports, essay exams and verbal discussion.
6. Utilize appropriate laboratory resources, including laboratory materials, text and lab manual, reference books, models, laboratory specimens, histological manual and course syllabus to enhance study of histological and anatomical structures.
7. Apply concepts related to human anatomy as they relate to each major body system and tissue.
8. Apply theoretical and scientific knowledge of anatomical systems when analyzing, evaluating, or problem solving previously unseen or hypothetical structures.

### **Topics and Scope:**

Lecture Material

1. Introduction to Anatomy/Cell Structure
2. Tissues

3. Integumentary System
4. Skeletal System-Axial, Bone Histology
5. Skeletal System-Appendicular and Joints
6. Muscular System
7. Nervous System, CNS and PNS
8. Special Senses
9. Cardiovascular System
10. Lymphatic System and Blood
11. Respiratory System
12. Urinary System
13. Digestive System
14. Reproductive System, Male and Female
15. Endocrine System

Laboratory Material:

1. Terms of Reference, Body Systems, Body Cavities & Microscopy
2. Cell Structure, Tissue Types
3. Epithelial Tissues
4. Connective Tissues
5. Integumentary System
6. Skeletal System
  - Axial Skeleton
  - Appendicular Skeleton
7. Joints
8. Muscles, Skeletal
9. Nervous System
  - Brain
  - Spinal Cord
  - Cranial/Peripheral Nerves
10. Special Senses
  - Ear
  - Eyes
11. Cardiovascular System
  - Heart
  - Arteries and Veins
12. Blood
13. Respiratory System
14. Urinary System
15. Digestive System
16. Reproductive System
  - Male
  - Female

**Assignment:**

Assignments for Anatomy 58 include:

1. Specific reading and study assignments (averaging 25-30 pages per week)
2. Written laboratory assignments, including short essay, fill-in, diagrams/drawings (averaging one every other week).
3. Preparation of laboratory assignments.

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework, Essay exams

Writing  
5 - 25%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Quizzes, Exams

Problem solving  
5 - 15%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances

Skill Demonstrations  
10 - 20%

**Exams:** All forms of formal testing, other than skill performance exams.

Multiple choice

Exams  
40 - 80%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

ATTENDANCE, PARTICIPATION

Other Category  
0 - 10%

## Representative Textbooks and Materials:

Lecture:

HUMAN ANATOMY, by E. Marieb and J. Mallatt, Benjamin/Cummings Publishing Co., 1992

PRINCIPLES OF HUMAN ANATOMY, 5th ed., by G. Tortora, Harper & Row Publishing Co., 1994

HUMAN ANATOMY, by F. Martini and M. Timmons, Prentice Hall, Inc., 1995

Laboratory:

ATLAS OF NORMAL HISTOLOGY, 7th ed., by M. DiFiori, (V.P. EOSCHENCKO Ed.), Lea & Febiger, 1993

FUNCTIONAL HISTOLOGY: A TEXT AND COLOR ATLAS, 2nd ed., by Wheater, Burkett and Danutes, 1993