ANAT 58 Course Outline as of Spring 2006

CATALOG INFORMATION

Dept and Nbr: ANAT 58 Title: INTRO TO 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 tissues, organs and organ systems. This introductory course is designed for allied health majors who require a fundamental background in human anatomy. (Not intended for nursing (RN), dental hygiene or physical therapy majors.)

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100.

Limits on Enrollment:

Schedule of Classes Information:
Description: A survey of human anatomy, including study of tissues, organs and organ systems. This introductory course is designed for allied health majors who require a fundamental background in human anatomy. (Not intended for nursing (RN), dental hygiene or physical therapy majors.) (Grade or P/NP)
Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 100 or ESL 100.

Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**			Effective:	Inactive:
	C	Natural Sciences		Fall 1981	
CSU GE:	**Transfer Area**			Effective:	Inactive:
IGETC:	**Transfer Area**			Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Fall 1981	Inactive:	
UC Transfer:		Effective:		Inactive:	

CID:

Certificate/Major Applicable:
Both Certificate and Major Applicable

COURSE CONTENT

Outcomes and Objectives:
Upon completion of this course students will be able to:
1. Describe the relation of anatomy to other biological disciplines and the field of medicine.
2. Name the steps of the scientific method and describe the relation of the method to current knowledge of the human anatomy.
3. Name the organ systems of the body, describe their basic structural design and function.
4. Apply appropriate laboratory skills, including use of a light microscope, observation and comparison of tissue structure, and use of basic anatomical terminology.
5. Identify the specific anatomical structures listed in the lab manual using models, charts, specimens, and skeletons.
6. Utilize appropriate laboratory resources, including texts, lab manuals, reference books, charts, models, laboratory specimens to enhance the study of histological and anatomical structures.
7. Apply theoretical and scientific knowledge of anatomical systems to evaluate or analyze previously unseen structures.

Topics and Scope:

I. Anatomy and Biology
  A. Scientific Method
  B. Relation of anatomy to biology and medicine
II. Cells and Tissues
  A. Cell organelles
  B. Major body tissues
III. Integumentary System

A. Skin
1. epidermis and dermis
2. glands
3. sensory receptors
B. Accessory structures: hair, nails

IV. Skeletal System
A. Bone and cartilage tissue
B. Bones as organs
C. Axial skeleton
D. Appendicular skeleton
E. Joints

V. Muscular System
A. Muscle tissue
B. Muscles as organs

VI. Circulatory System
A. Heart structure and function
B. Circuits and blood vessels
C. Blood composition and cells
D. Lymphatic System

VII. Nervous System
A. Nervous tissue
B. Central nervous system
1. brain
2. spinal cord
3. meninges and cerebrospinal fluid circulation
C. Peripheral nervous system
D. Autonomic nervous system
E. Special senses
1. eye
2. ear

VIII. Digestive System

IX Respiratory System

X. Urinary System

XI. Reproductive System
A. Male reproductive system
B. Female reproductive system

XII. Endocrine System

XIII. Laboratory Material

All of the above mentioned structures will also be studied by means of histological specimens, models, charts, and specimens during the laboratory portion of the course.

Assignment:

1. Weekly reading in text, 25-30 pages per week
2. Study of histological slides, charts, models, and prosections during lab hours
3. Written laboratory assignments, including short essay, fill-in, and diagrams, averaging one assignment, every other week
4. A term paper 2-5 pages may be required in which students will describe the relevant anatomy in a popular or professional published article
5. Formal assessment: quizzes, 4 lab practical exams, 4 midterm exams,

including objective and essay questions
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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.

Lab reports, Term papers	Writing 10 - 20%

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

Lab practical exams	Problem solving 20 - 40%

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

None	Skill Demonstrations 0 - 0%

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

Quizzes, midterm exams, essay questions	Exams 20 - 40%

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

Participation in lab	Other Category 0 - 20%

Representative Textbooks and Materials:
PRINCIPLES OF HUMAN ANATOMY, Gerald Tortora, 10th Edition, John Wiley & Sons, 2005
HUMAN ANATOMY, Frederic Martini & Michael Timmons, 5th Edition, Prentice Hall, 2006
HUMAN ANATOMY, Elaine Marieb, Jon Mallatt, Patricia Wilhelm, 4th edition, Benjamin Cummings, 2004
HUMAN ANATOMY, Kenneth Saladin, McGraw Hill, 2005
ATLAS OF NORMAL HISTOLOGY, M
DIFIORE'S ATLAS OF HISTOLOGY, Victor Eroschenko, 9th edition, 2000
A PHOTOGRAPHIC ATLAS OF HISTOLOGY, Michael Leboffe, Morton Publishing, 2003
WHEATER'S FUNCTIONAL HISTOLOGY, Barbara Young , John Heath, Churchill Livingstone, 3rd edition, 2000
Instructor prepared materials: lab manual