ANAT 58 Course Outline as of Fall 2014

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	6	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 students who require a fundamental background in human anatomy. Course is a pre-requisite for radiologic technology and Licensed Vocational Nursing (LVN); an alternative pre-requisite for paramedic and medical assisting programs; it is 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 students who require a fundamental background in human anatomy. Course is a pre-requisite for radiologic technology and Licensed Vocational Nursing (LVN); an alternative pre-requisite for paramedic and medical assisting programs; it is

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

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Describe the structure of the major tissues, organs, and systems of the human body.
2. Identify and use a variety of resources for learning anatomy.

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 and 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 knowledge of anatomical systems to evaluate previously unseen structures.

Topics and Scope:

I. Anatomy and Biology
  A. Scientific method
  B. Levels of organization
  C. Anatomic vocabulary, relational terms, body cavities
II. Cells and Organelles
  A. Cells
  B. Organelles
III. Tissues
  A. Major tissue types
  B. Epithelial tissue subtypes
  C. Connective tissue subtypes
IV. Integumentary System
  A. Epidermis and dermis
  B. Glands
  C. Sensory receptors
V. Skeletal System
  A. Bone and cartilage tissues
  B. Bones as organs
  C. Axial skeleton
  D. Appendicular skeleton
  E. Joints
VI. Muscular System
  A. Muscle tissue
  B. Muscles as organs
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. Circulatory System
  A. Heart structure and function
  B. Circuits and blood vessels
  C. Blood composition and cells
  D. Lymphatic System
IX. Respiratory System
X. Digestive System
XI. Urinary System
XII. Endocrine System
XIII. Reproductive System
  A. Male reproductive system
  B. Female reproductive system
XIV. 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 homework 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: 2-8 quizzes, 4 lab practical exams, 4 midterm exams, including objective and essay questions

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.

Homework assignments, Term paper	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	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:
Mader's Understanding Human Anatomy & Physiology, Susannah Longenbaker, 8th Ed., 2013
Anatomy and Physiology Revealed, version 3 (APR3.0), online McGraw-Hill website
A Visual Analogy Guide to Human Anatomy, 3rd Ed, by Paul Krieger, 3rd Ed., 2013
Anatomy 58 Course Notes (Instructor-Prepared Material)
Anatomy 58 Lab Manual (Instructor-Prepared Material)