



**ANAT 10A – INTRODUCTORY HUMAN ANATOMY
(4 UNITS)
SPRING SEMESTER 2013 SYLLABUS**

General Course Information

Instructor: Ms. Cheryl Chow – adjunct faculty, Department of Biological Sciences

Email: cchow27@mtsac.edu

Course website: Course studio access via myportal.mtsac.edu

Office hours: by appointment or via email

LECTURE: TR 11:30 AM – 12:55PM in Building 11- Room 2402

LABORATORY: 1:15 PM – 2:40 PM in Building 60- Room 2503 (Tues & Thurs)

COURSE DESCRIPTION: (4 units, 54 hours lecture, 54 hours lab)

A systematic study of the macroscopic and microscopic structures of the human body. Emphasis on cell structures, skeletal, muscular, respiratory, circulatory, nervous, digestive, excretory, endocrine, and reproductive systems.

Course Measurable Objectives & Outcomes:



1. Identify and locate major bone markings on all human bones; determine which side of the body a bone belongs to.
2. Identify and describe structures of the eukaryotic cell.
3. Describe the functional classes of tissues, and distinguish between tissue subtypes.
4. Locate and describe the major organs of the human and cat.
5. Review the organs/structures in each organ system and describe the components of each.
6. Describe the structure of the major organs of the human body at the tissue level.
7. Sequence functional pathways in organ systems such as circulatory, nervous, digestive, respiratory, musculoskeletal, and reproductive systems.
8. Use anatomical regions and directional terms to describe positions and relative positions in the human body.
9. Identify body cavities and their contents.

REQUIRED MATERIALS: available at Sac Book Rac on campus (909-594-5611 x 4475), and Day and Nite Copy Center (by Starbucks), 1255 N. Grand Ave, Walnut (909-595-5035).

A. Lecture textbook: Human Anatomy, 7th edition authored by Martini, Timmons and Tallitsch @2013, Benjamin-Cummings Publishers (ISBN 0-321-68815-5).

B. Course website: Internet access to **Course Studio** via myportal and check your campus e-mail regularly for course related issues

C. General Supplies: Scantron # 882 forms, # 2 pencils, good eraser and a non-graphing calculator

D. Lab Supplies: YOU MUST HAVE THESE BY Lab Practicum 2- (All are available in the Sac Book Rac). You may not dissect without this equipment!

1. Dissecting kit
2. Gloves multiple pairs, enough for every dissection lab (6 labs).
3. Laboratory coat
4. Goggles

E. Lab manual is not needed: lab handouts will be provided in lab.

Important dates:

The date of the Comprehensive Final Examination is: **June 11th, 2013 10:30AM - 1:00PM**

Last day to add: March 8th, 2013

Last day to drop without "W": March 10th, 2013

Last day to drop with a "W": May 3rd, 2013

Course Adaptations: If you have a need for accommodation in lecture or laboratory class (due to a documented disability or physical condition) for testing, evacuation, or emergency medical information, please inform me within the first two weeks of the semester.

GRADING POLICIES:

<u>Lecture</u>	Total points	Attendance in lab & lecture is mandatory.
Pop-quizzes/ Participation/ Attendance	50	Students are expected to come to class regularly and on time, having reviewed the material previously covered and previewed assigned reading.
3 Lecture exams	300	3 exams worth 100 pts each; Each exam may consist of true-false, multiple choice, matching, diagram labeling, short answer and essay questions. MUST BRING Scantron form # 882, #2 pencils and erasers.
Comprehensive Final Exam	250	1 accumulative lecture exam (covers any materials learned over the semester) MUST BRING Scantron # 882 form, #2 pencils and erasers
<i>Total Lecture Points</i>	600	
<u>Laboratory</u>		
4 Practicum Exams	300	4 practicum exams worth 100 pts each; 1 lowest exam will be dropped; Students will identify anatomical items, such as bones, cat musculature or viscera, histology slides, etc. (refer to lab schedule)
<i>Total Lab Points</i>	300	
<i>Total Points</i>	900	

NO MAKE UP POP-QUIZZES, LAB PRACTICUMS AND COMPREHENSIVE FINAL EXAM.

Students are required to be present when an examination or quiz is given. If unexpectedly absent for a documented emergency situation (i.e. death in the immediate family, or to be determined by the instructor), it is the student's responsibility to arrange for a make-up date **immediately**. Lack of preparation at the scheduled exam time is not an acceptable excuse for not taking an examination or quiz. Students who do not take the exam on the scheduled date and do not contact the instructor within 48 hours will receive a 0% on the final exam.

There will be 1 single combined grade for lecture and lab for this course. Any student wishing to review their exams for computational errors or otherwise **MUST** do so within one week after the exam is graded.

TENTATIVE GRADING SCALE FOR THE COURSE: (based on 900 points)

90% of total possible points or higher = A (810 or higher)

80% up to 89.9% = B (720 to 809.9)

60% up to 69.9% = D (540 to 629.9)

70% up to 79.9% = C (630 to 719.9)

less than 60% = F (below 540 points)

Course Requirements & Expectations

Attendance is very important to the level of success of this course. Students are expected to attend and participate in class. Participation includes being present and punctual in class, participate in discussions, and active engagement in lecture and lab. Mandatory roll call will be taken at the beginning of each class period. (College Authorized Field Trips are excused with documentation). All other absences are unexcused.

Any relevant announcements and pop quizzes will be given at the beginning of class. Tardy/absent students are responsible for the material missed. Students are expected to behave properly and have mutual respect for each other. Any student that is disrupting the class will be asked to leave immediately. Cell phones or other electronic devices need to be on silent at all times.

In lecture and lab, you will learn to identify various organs, tissues, bones, and their anatomical positions. Dissected organisms and organs (primarily cat) will be used to demonstrate three-dimensional relationships as well as variations between individual organisms. The laboratory section is NOT another lecture, it is designed for collaborative, exploratory, and inquiry based learning. Therefore, come to lecture & lab prepared (review and preview materials should be done prior to arriving at lab)!

Academic Honesty: Students MUST abide by the Mount San Antonio College's Academic Honesty Policy, which can be found in College catalog pg. 244. Students who violate this policy will be subject to disciplinary action, and may receive a failing grade in the course for a single violation.

“College considers cheating to be a voluntary act for which there may be reasons, but for which there is no acceptable excuse.”

In none of its forms can plagiarism be tolerated in an academic community. An act of cheating may result in a grade of “F” for the course. It may constitute grounds for a failing grade, a report to the Division Dean and Dean of Student Affairs, and subsequently probation, suspension, or expulsion.

TENTATIVE LECTURE SCHEDULE- SUBJECT TO CHANGE

(changes will be announced in class and/or via Course Studio)

Date	Lecture Topic	Reading/Chapter
Tuesday, February 26, 2013	Course Introduction Introduction to anatomy	Chapter 1
Thursday, February 28, 2013	Organization of the body; terminology; Chemistry: Molecules & macromolecules	Chapter 1 & 2 Unit 1 Handouts
Tuesday, March 05, 2013	Chemistry: Molecules & macromolecules; Membranes; Cytology: Cells	Unit 1 Handouts Chapter 2
Thursday, March 07, 2013	Cytology: Cells, division (mitosis)	Chapter 2
Tuesday, March 12, 2013	Tissues Histology	Chapter 3
Thursday, March 14, 2013	Tissues Histology	Chapter 3
Tuesday, March 19, 2013	The Integument system	Chapter 4
Thursday, March 21, 2013	Lecture exam #1	
Tuesday, March 26, 2013	The Skeletal system	Chapter 5 Unit 2 Handouts
Thursday, March 28, 2013	Appendicular & Axial Skeleton	Chapter 6 & 7
Tuesday, April 02, 2013	Appendicular & Axial Skeleton; Joint Articulations;	Chapter 6, 7 & 8
Thursday, April 04, 2013	The Muscular system	Chapter 9
Tuesday, April 09, 2013	Specific muscle actions	Chapter 10 & 11
Thursday, April 11, 2013	The Digestive System	Chapter 25
Tuesday, April 16, 2013	Lecture exam #2	
Thursday, April 18, 2013	The Cardiovascular System overview; Relationship to other systems	Unit 3 Handouts
Tuesday, April 23, 2013	Blood	Chapter 20
Thursday, April 25, 2013	Cardiovascular system- Heart	Chapter 21
Tuesday, April 30, 2013	Cardiovascular system- Blood vessels	Chapter 22
Thursday, May 02, 2013	Cardiovascular system- Blood vessels; Lymph	Chapter 22 & 23
Tuesday, May 07, 2013	The Respiratory System	Chapter 24
Thursday, May 09, 2013	Lecture exam #3	
Tuesday, May 14, 2013	The Endocrine system	Chapter 19
Thursday, May 16, 2013	The Nervous system overview; Brain & Cranial Nerves	Chapter 13 & 16
Tuesday, May 21, 2013	Brain & Cranial Nerves; Spinal cord, Spinal Nerves	Chapter 16 & 14
Thursday, May 23, 2013	Sensory & Motor Tracts; Autonomic Nervous System (ANS)	Chapter 15 & 17
Tuesday, May 28, 2013	The Sensory Systems	Chapter 18
Thursday, May 30, 2013	The Urinary system	Chapter 26
Tuesday, June 04, 2013	The Reproductive system	Chapter 27
Thursday, June 06, 2013	Final exam review	
Tuesday, June 11, 2013	Comprehensive Lecture Final exam 10:30AM-1PM	
See Lab schedule	Lab Final Practicum	

Mt. SAC- Department of Biological Sciences Policy on Academic Honesty

Verbal instructions will be given throughout the semester regarding the rules of this course and how each student can optimize their success in this course. Each student is responsible for listening to and understanding these instructions. If a student has any question regarding the standards of this course, he or she should speak with me privately.

1. No dictionaries, electronic devices (cell phones and PDA etc), notes, or other reference materials may be used during any type of test situation unless authorized by the instructor.
2. No looking, talking, signaling, sharing materials, or switching form with other students is allowed during any type of test situation.
3. Only the materials required or authorized for a test should be taken out of your notebook, backpack or purse. All other materials should be put away as instructed.
4. Students may not leave the classroom during an exam or quiz unless authorized by the professor. If a student leaves the room without permission, the test or quiz will be forfeited at that time.

An act of cheating may result in a grade of “F” for the course, a report to the Division Dean and Dean of Student Affairs, and subsequently possible expulsion form to the College.

Some examples of cheating (but limited to) are:

- a. plagiarism, which is the use of materials authored by another person or obtained from a commercial source or the use of passages without proper acknowledgment.
- b. having or using unauthorized materials during any type of test situation.
- c. looking at another student’s work during any type of test situation.
- d. changing answers on a returned exam in order to claim there had been a grading error.
- e. discussing the content of any type of test with individuals who have not yet taken it.
- f. turning in work that was generated by other individuals or by the same individual but in a prior semester.
- g. copying “word-for-word” answers on lab data report from another person.
- h. allowing another student to look at your exam or quiz

(Cut on dotted line and return lower portion to instructor)

Anatomy 10A, Spring 2013 - Chow

Print Last Name, First Name

I have received, read, understand and agree to the Department of Biological Sciences Policy on Student Academic Honesty.

Signature

Date