

Anatomy 1 – Summer 2009

Los Angeles Mission College

Instructor: Dr. Ali Ebnesahidi

Office Hours: MTWTh 12:30-1:15 PM or by arrangement

E-mail: dre@csun.edu

Lecture Hours: MTWTh 7:45-9:10 AM

Laboratory Hours: MW 9:20 -12:30 TTH 9:20 -12:30

Summer Anatomy 1 is an intensive lecture and laboratory course which includes the study of cells, tissues, and organs of the human body. The lectures correspond closely with the laboratory experience providing the student various modalities to learn about the many organ systems: integumentary, skeletal, muscular, nervous, circulatory, respiratory, digestive, urinary, and reproductive. Use of the microscope and dissection of a cat are highlights of this fascinating course. Students must be willing to commit significant time out of class to study this material.

Prerequisite: Biology 3 (or equivalence demonstrated through transcripts)

Advisory: English 28 (college-level reading, writing, and study skills)

Course Objectives

- (1) To learn the language and fundamental concepts of basic human anatomy.
- (2) To grow as a student of science, by integrating lectures, discussions, laboratories, home-study, and small-group study into a holistic approach to learning.
- (3) To work as a member of a laboratory team, taking responsibility for one's own success, but learning to adapt, share, and learn with others during laboratory meetings.

Student learning Outcome - *Anatomy 1 students will identify and name different structures of the human body by naming them on visual presentations.*

Books

Required: Human Anatomy and Physiology (7th Edition), Marieb

Human Anatomy and Physiology Lab Manual - Cat Version (9th Edition), Marieb

Suggested: a medical dictionary

Evaluation and Grading

(1) Quizzes (80 points)

A quiz will be administered at the start of lecture on 8 different occasions during the summer (see schedule below). Quiz #1 will be given on Wednesday June 24, at 7:45 AM. Do not be late! Each quiz will take approximately ten minutes and will emphasize material covered during previous class meetings. The quizzes are intended to stress the importance of staying up with the material! There will be a total of 8 quizzes worth 10 points each. **Quizzes cannot be made up!!**

(2) Laboratory Review Sheets and Lab Participation (approximately 15X10= about 150points)

Students are required to complete the Review Sheets (RS pages) in the back of the Lab Manual for all laboratory exercises. Review Sheet(s) must be returned at the beginning of the next laboratory meeting that is scheduled. The Review Sheet(s) for each laboratory meeting will be worth 10 points (the total number of review sheets may change during the semester). **Do not underestimate the value of these points! Every semester some students lose a whole grade because of absence, tardies, failure to participate, or failure to hand-in Review Sheets complete and on-time.**

(3) Objective Midterm Exams (3 X 100 = 300 points)

There will be 3 objective midterm exams. **No make-up midterms will be given.** A student who has an excused absence from one midterm only will have the percentage earned on the next examination counted for that missed score. Any student who misses two or more exams will receive a failing grade.

(4) Lab Practical Midterm Exams (2 X 50 = 100 points)

There will be 2 midterm laboratory practical exams. The lecture component will begin after the practical exam. The practical exam will involve the “hands-on” identification and understanding of material presented in the laboratory exercises. Students will be asked to identify and write the names of labeled structures.

(5) Final Lab Practical Exam (50 points)

The Final Lab Practical Exam is on W 8/11/09 / TH 8/12/09. It will cover all material from all laboratory exercises throughout the semester and the last two weeks of the course. **No make-up Final Lab Practical Exam will be given.** Students should plan their schedule accordingly.

(6) Final Objective Exam (120 points)

The Final Objective Exam is on Thursday, August 13, at 7:45AM. It will include all material covered in the course. **No make-up Final Exam will be given.** Students should plan their schedule accordingly.

Approximate Point Totals

<u>Evaluation</u>	<u>Number X Points = Total</u>		
Quizzes	8	10	70
Review Sheets	15	8	120
Objective Exams	3	100	300
Practical Exams	2	50	100
Final Practical	1	50	50
Final Objective	1	120	<u>120</u>
<u>Tentative Grading Scale</u>			760

<u>Percentage</u>	<u>Letter Grade</u>
100 - 90	A
89 - 80	B
79 - 70	C
69 - 60	D
59 - lower	not passing (F)

Office Hours and Comments

I will remain after class to answer questions and offer individual assistance. Appointments to meet at other times may be arranged. Do not be shy. **I am here to help you learn and it is a pleasure for me to give extra help when requested.**

Do not fall behind! This is a fast-paced course that covers a lot of material in very few class meetings. It is incumbent upon every student to do the readings on time and participate actively in the lab.

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Did I say stay up and do not fall behind enough??????

Lecture/Laboratory Schedule *
Anatomy 1 - Summer 2009

<u>Date</u>	<u>Lecture/Laboratory</u>	<u>Reading/Lab Exercise Quizzes</u>
<u>Week 1 6/22/09</u>		
M	Intro to Course; Anatomical Terminology	1: 1-10; 13-21
T	Medical Imaging; Organ Systems Overview	1: 13-21
W	Study of Tissues - Histology I	4: all <u>Quiz #1</u>
Th	Study of Tissues - Histology II	4: all
Lab	<i>The Language of Anatomy</i> <i>Organ Systems Overview</i> <i>Classification of Tissues</i> <i>Classification of Tissues</i>	<i>Exercise 1</i> <i>Exercise 2 and Rat Dissection</i> <i>Exercise 6A</i> <i>Exercise 6A</i>
<u>Week 2 6/29/09</u>		
M	Integumentary System	5: all <u>Quiz #2</u>
T	Skeletal Tissue	6: all
W	<u>OBJECTIVE MIDTERM EXAM #1</u>	<u>Chapters 1, 3, 4, 5, 6</u>
Th	The Axial Skeleton I	7: Part 1(203-227) – Axial Skeleton
Lab	<i>integument System/Membranes</i> <i>Bone Classification: Overview</i> <i>Axial Skeleton</i>	<i>Exercises 7 & 8</i> <i>Exercise 9</i> <i>Exercise 10</i>
<u>Week 3 7/06/09</u>		
M	The Axial Skeleton II	7: Part 1(203-227) – Axial Skeleton
T	The Appendicular Skeleton	7: Part 2(227-247) <u>Quiz #3</u>
W	Joints	8: all
Th	Study of muscle tissue – Myology	9:280-287
Lab	<i>Axial Skeleton</i> <i>Fetal Skeleton</i> <i>Appendicular Skeleton</i> <i>Articulations and body movement</i> <u>LAB PRACTICAL EXAM #1</u>	<i>Exercise 10</i> <i>Exercise 12</i> <i>Exercises 11</i> <i>Exercise 13</i> <u>Exercises 1,2, and 6 - 13</u>
<u>Week 4 7/13/09</u>		
M	The Muscular System I	10: 325-351
T	The Muscular System II	10: 351-366 <u>Quiz #4</u>
W	The Muscular System III	10: 366-383
Th	Review those Muscles !!!!!!!!!!!	<u>Quiz #5</u>
Lab	<i>Gross Anatomy of Muscular System I</i> <i>Gross Anatomy of Muscular System II</i> <i>Dissection #1 - Cat Muscles</i>	<i>Exercise 15</i> <i>pp 760-766</i>
<u>Week 5 7/20/09</u>		
M	<u>OBJECTIVE MIDTERM EXAM #2</u>	<u>Chapters 7,8,9,10</u>
T	Nervous Tissue & Cranial Nerves	11: 388-397; 12:431-447
W	The Brain	12: 447-468
Th	Spinal Cord & Spinal Nerves	12:470-479; 13:508-518 <u>Quiz #6</u>
Lab	<i>Dissection #2 - Cat Brachial Plexus</i> <i>Histology of Nervous Tissue</i> <i>Anatomy - Brain & Cranial Nerves</i> <i>Spinal Cord and Spinal Nerves</i> <i>Dissection #2 - Cat Brachial Plexus</i>	<i>Exercise 17</i> <i>Exercise 19</i> <i>Exercise 21</i>

Week 6 7/27/09

M	General & Special Senses	13:491-494; 16: (eye 556-564),(ear582-587)
T	The Autonomic Nervous System	14: 532-541
W	Heart	18:678-688
Th	Heart &Blood Vessels	19: 714-723; 744-766 <u>Quiz #7</u>

Lab	<i>Special Senses: Vision</i>	<i>Ex. 24 pp.264-270 only</i>
	<i>Special Senses: Hearing & Equilibrium</i>	<i>Ex. 25 pp.278-281 only</i>
	<u>LAB PRACTICAL EXAM #2</u>	<u>Exs. 15,17,19,24,25</u>
	<i>Anatomy of the Heart</i>	<i>Exercise 30</i>

Week 7 8/3/09

M	Blood	17: 647-662
T	<u>OBJECTIVE MIDTERM EXAM #3</u>	<u>Chps. 11,12,13,14,16,18,19,20</u>
W	Respiratory System	22: 832-846
Th	Digestive System	23: 883-901,908,912,917

Lab	<i>Anatomy of Blood Vessels</i>	<i>Exercise 32</i>
	<i>Dissection #4 - Cat Blood Vessels</i>	
	<i>Anatomy of Respiratory System</i>	<i>Exercise 36</i>
	<i>Anatomy of Digestive System</i>	<i>Exercise 38</i>
	<i>Dissection #7 - Cat Digestive</i>	

Week 8 8/10/09

M	Urinary System	25:998-1006 <u>Quiz #8</u>
T	Reproductive System	28: (male & female 1066-1090)

Lab	<i>Anatomy of Urinary & male reproductive system</i>	<i>Exercise 40, 42</i>
	<i>Dissection #8 - Cat Urinary</i>	
	<i>Anatomy of female Reproductive Systems</i>	<i>Exercise 43</i>
	<i>Dissection #9 - Cat Reproductive</i>	

W/TH **Final Practical Examination**
TH 8/13/09 **Final Objective Examination**
* (Tentative)