



Division: Science

Course name: Anatomy 1

Section: 3262 / **Semester:** Spring 2014

Instructor Name: Vered Mirmovitch

School Website: www.wlac.edu

Class Hours: Tuesday / Thursday
6:45 p.m. – 10:00 p.m.

Address: 9000 Overland Ave., Culver City, CA 90230
Location: MSA 212

Office Hours: Tuesday / Thursday
6:15 p.m. – 6:45 p.m.

Instructor E-mail: MirmovV@wla.edu
Location: MSA 212

HUMAN ANATOMY

Prerequisites: I *strongly* recommend College Biology with a grade of “B” or better **AND** English 101 with a grade of “B” or better.

Anatomy is a *very* rigorous course that requires considerable discipline, time and dedication. Students are expected to learn large amounts of material. A significant number of students find the course overwhelming and may drop or fail.

Course Description: This course presents the structure of the human body by subdividing it into individual body systems. The functional anatomy of each level of organization is then studied from the microscopic level of organization to the gross (macroscopic) level. In addition, the embryological development of each body system and selected pathologies will be examined

Laboratory exercises develop skills of observation, investigation, identification, discovery and dissection. Exercises include the examination of histological slides, photomicrographs, X-Rays, models, charts, videotapes, human skeletons, a complete dissection of a cat, and examination of human organs.

This course is intended to meet the requirements of students majoring in nursing, physician’s assistant, respiratory therapy, physical therapy, occupational therapy, dental hygiene, psychology, kinesiology, and life sciences, or for those who wish to extend their knowledge of the human body beyond the scope of introductory biology. Anatomy 1 is a prerequisite for Human Physiology.

Student Learning Objectives: A student who completes this class will be able to explain:

- (1) Human organ system gross anatomy
- (2) The microanatomy of body organ system
- (3) The embryological development of the human
- (4) Anatomical & clinical vocabulary and terminology
- (5) Human surface anatomy
- (6) Human pathology

Course Students Learning Outcomes

1. Identify the names and processes of the human skeleton using skulls and disarticulated bones.
2. Identify the names of major skeletal muscles in cat and models
3. Identify the names of organs in the body organ systems

Required Texts & Materials:

**E. Marieb; Human Anatomy Laboratory Manual with Cat Dissections;
(6th ed.); Benjamin Cummings; 2011 [ISBN 0-321-66706-9]**

Any edition of the lab manual will work

Check regularly the Dropbox site for lecture slideshows

You are expected to bring the Lab Manual to every class meeting. It is recommended to have the slide show printed, or on your computer so you can write comments

Box of colored pencils and/or pens that include blue, red, yellow, orange, green and black

Several #1 (or #2) soft lead pencils

A good eraser

About 9 Scan-Trons (#882) for computer scoring

Dissection Kit (including scissors, probe, forceps & scalpel)

Rubber surgical (or disposable-type) gloves

Optional Texts & Materials:

E. Marieb, J. Mallatt & P. Wilhelm; Human Anatomy (6th ed.); Benjamin Cummings; 2012 [ISBN 0-321-61611-1] (any edition)

Laboratory apron or coat

S.A. Fink; Human Anatomy Lecture Outline; BioBooks Pub.; 2011

K. Moore & T. Persaud; Before We Are Born – Essentials of Embryology and Birth Defects (7th ed); W.B. Saunders; 2007 [ISBN 1416037055]

McMinn & Hutchings; Color Atlas of Human Anatomy; Mosby-Yearbook Publishers; 1993

T. Rust; A Guide to Anatomy & Physiology Lab (2nd ed); Southwest Educational Enterprises; 1986 [ISBN 0-937029-00-9]

Practice Quizzes & Exams & Videos:

<http://www.professorfink.com>

ADVICE BEFORE YOU TAKE ANATOMY:

<http://www.videojug.com/film/study-tips-for-anatomy-class>

Practice Quizzes & Answers:

http://highered.mcgraw-hill.com/sites/0072907932/student_view0/

http://highered.mcgraw-hill.com/sites/0072495855/student_view0/

<http://quizlet.com/subject/human-anatomy/>

http://wps.pearsoncustom.com/pcp_72901_pls_martini_ha_5/78/20112/5148803.cw/content/index.html

Lecture Examination Schedule (Tentative):

Lecture Examination 1.....	MAR 11 (TUE)
Lab Examination 1.....	MAR 11 (TUE)
Lecture Examination 2.....	MAR 27 (THR)
Lab Examination 2.....	MAR 27 (THR)
Lecture Examination 3.....	MAY 1 (THR)
Lab Examination 3.....	MAY 1 (THR)
FINAL EXAMINATION.....	JUN 5 (THU)
(Comprehensive)	

Computation of Course Grade:

5 highest Lecture & Lab.....	65% of Course Grade
Final Examination.....	35% of Course Grade

Assuming you take all 6 lecture & lab examinations, the lowest one will be dropped, and the 5 highest will count 65% towards your Course Grade. About 55% of the questions on the Final Exam will come from “older information” and 45% from the information presented after the 3rd Exam.

Lecture examinations will consist of objective-type questions (ie., True/False; Multiple Choice; & Matching questions) that will be answered on SCAN-TRON #882 forms.

Lab Exams will consist mostly of fill-in and short answer questions.

You will be expected to provide SCAN-TRON 882 forms (available at the bookstore) and a soft lead pencil (no. 1 or no. 2) and a good eraser for each examination. The Final Examination is comprehensive for the entire semester. **There are no make-up examinations.**

Grading Policy:

90 - 100%	A
79 - 89%	B
63 - 78%	C
50 - 62%	D
below 50%	F

Attendance Policy:

Regular class attendance and performance of laboratory work will be considered in the determination of the student's Course Grade. Roll will be taken. There is a strong correlation between poor attendance and poor grades.

You are responsible for information, exam announcements, date changes, etc. presented in class, whether or not you are present

Students who are given add slips must complete the process by the 3rd class meeting. No replacement add slips will be signed.

Withdrawal from Class:

You are responsible for your credit and enrollment status. Any student withdrawing from class must inform the admissions office of this decision. **Students failing to follow the correct procedure for withdrawals will receive a grade of "F" for the semester. No withdrawals are permitted after Friday, May 9.**

(see Schedule, page 1).

Laboratory Guidelines:

1. You are **NOT** permitted to remove any materials from the classroom at any time.
2. At the end of lab-time, all materials must be returned to where they are kept, and the table-top cleared and cleaned-up.
3. There is no eating in the classroom.

Cheating/Academic Dishonesty:

Each student is expected to do his/her own work on all assignments, reports, examinations, etc. **CHEATING ON AN EXAM WILL RESULT IN AN "F" FOR THE COURSE.**

Here is a list of some actions that are considered cheating:

NO TALKING DURING THE EXAM.

KEEP YOUR EYES ON YOUR OWN EXAM.

USING NOTES OF ANY KIND (ON CARDS, STRIPS OF PAPER, DESK TOP, ETC.) DURING AN EXAM IS NOT PERMITTED.

Showing a fellow student your exam, or passing information in any way is not permitted.

Place your answer sheet(s) directly in front of you.

If you have a question, quietly walk up to the instructor and whisper your question.

Translation dictionaries are not permitted.

Changing the answers on a returned Exam & claiming it was scored wrongly.

All of these demonstrate a lack of Honesty & Integrity which is Essential in all Health Care Professions (& in fact, in all jobs, all relationships, & in all Areas of Life.)

Recommendations for Succeeding in Class:

- 1. Expect to Work. This is not supposed to be easy.**
- 2. Get to class on time, every time, and stay the whole time.**
 - Never miss class unless you're dead, & take good notes.
- 3. Find someone in the class to contact if you miss a meeting.**
- 4. Be organized! Use a daily calendar to set times for regular studying for each of your classes.**
- 5. Study & Review each night the class is given.**
 - Learning is easier if you schedule time daily to read, to think & review.
 - Every time you study, spend at least 10 minutes reviewing previous lessons. (These "refresher shots" are the secret for long-term memory.)
 - Focus your studying on the class Lecture Notes.
 - Read the relevant chapters in your textbook; hi-lite pertinent lines, & add these notes to your class notes (never read without writing).
 - Use the CD-ROM & Web-Sites.
 - Use associations to help you remember things.
 - Prepare note cards and carry them with you to review.
- 6. Increase your studying 1 week before a scheduled Exam!!**
- 7. Anything you turn-in (exams, lab reports) should look neat.**

TENTATIVE SCHEDULE OF TOPICS

(schedule subject to change)

Week	Day	Date	Lecture Topic	Text	Lab	Man.
1	T	FEB 11	Organization of the Human Body Terminology Cytology	c-1 c-2	Torso Model Use of Microscope Cell Demo	Ex-1 Ex-2 Ex-3 Ex-4
	TH	FEB 13	Cytology Skeletal System	c-2 c-6 c-7 c-8	Skeletal System skeletons; skulls; fetal skull & skeleton; disart. skull bones; long bone mitosis slides; mitosis models; cell models	Ex-8 Ex-9 Ex-10 Ex-11 c-4
2	T	FEB 18	Cytology Skeletal System	c-2 c-6 c-7 c-8	Skeletal System skeletons; skulls; fetal skull & skeleton; disart. skull bones; long bone mitosis slides; mitosis models; cell models	Ex-8 Ex-9 Ex-10 Ex-11 c-4
	TH	FEB 20	Embryology & Human Dev. <u>FRIDAY</u> <u>FEBRUARY 21 –</u> <u>LAST DAY TO</u> <u>DROP WITHOUT A</u> <u>“W”</u>	c-3 c-24 (755-761)	Skeletal System skeletons; skulls; fetal skull & skeleton; disart. skull bones Exploded skull; 1/2 head	Ex-8 Ex-9 Ex-10 Ex-11

TENTATIVE SCHEDULE OF TOPICS

(schedule subject to change)

Week	Day	Date	Lecture Topic	Text	Lab	Man.
3	T	FEB 25	Embryology & Human Dev.	c-3 c-24 (755-761)	Skeletal System skeletons; skulls; fetal skull & skeleton; disart. skull bones Exploded skull; 1/2 head	Ex-8 Ex-9 Ex-10 Ex-11
	TH	FEB 27	Histology: Tissues	c-4	Skeletal System skeletons; v. col; vert; sternum; ribs; disart bones Histology Slides	Ex-8 Ex-9 Ex-10 Ex-11 c-5 Ex-7
4	T	MAR 4	Histology: Tissues	c-4	Skeletal System skeletons; v. col; vert; sternum; ribs; disart bones Histology Slides	Ex-8 Ex-9 Ex-10 Ex-11 Ex-5 Ex-7
	TH	MAR 6	Skeletal System		Skeletal System skeletons; skulls; fetal skull & skeleton; disart. skull bones Exploded skull; v. col; vert; sternum; ribs; disart bones Histology Slides	Ex-8 Ex-9 Ex-10 Ex-11 Ex-5 Ex-7

TENTATIVE SCHEDULE OF TOPICS

(schedule subject to change)

Week	Day	Date	Lecture Topic	Text	Lab	Man.
5	T	MAR 11	<u>LECTURE EXAM 1</u>		<u>LAB EXAM 1</u>	
	TH	MAR 13	Integument Arthrology The Muscular System	c-5 c-9 c-10 c-11		Ex-6 Ex-12 Ex-14
6	T	MAR 18	The Muscular System	c-10 c-11	Cat Muscle Dissection; cat skeleton; muscle models muscle tissue Cadaver	Ex-13 Ex-14 dissec begins p. 229 Ex-12
	TH	MAR 20	The Muscular System	c-10 c-11	Cat Muscle Dissection; cat skeleton; muscle models muscle tissue Cadaver	Ex-13 Ex-14 dissec begins p. 229 Ex-12
7	T	MAR 25	Myology	c-10 c-11	Cat Muscle Dissection; cat skeleton; muscle models muscle tissue Joint models	Ex-13 Ex-14 dissec begins p. 229 Ex-12
	TH	MAR 27	<u>LECTURE EXAM 2</u>		<u>LAB EXAM 2</u>	

TENTATIVE SCHEDULE OF TOPICS

(schedule subject to change)

Week	Day	Date	Lecture Topic	Text	Lab	Man.
8	T	APR 1	Digestive System	c-23	torso, 1/2 head teeth, tongue & GI model	p. 486 Ex-27
	TH	APR 3	Digestive System	c-23	torso, 1/2 head teeth, tongue & GI model	p. 486 Ex-27
9	T	APR 8	<u>SPRING BREAK</u> <u>NO CLASS</u>			
	TH	APR 10	<u>SPRING BREAK</u> <u>NO CLASS</u>			
10	T	APR 15	Circulatory System	c-19 c-20	heart models cat dissection	Ex-24 p. 426 & 431
	TH	APR 17	Circulatory System	c-19 c-20	heart models cat dissection	Ex-24 p. 426 & 431
11	T	APR 22	Circulatory System	c-19 c-20	heart models cat dissection	Ex-24 p. 426 & 431
	TH	APR 24	Urinary System	c-24	Kidney model; Nephron model	Ex-28 p. 504 & 5059+
12	T	APR 29	Respiratory System	c-22	torso, 1/2 head & Larynx model	Ex-26
	TH	MAY 1	<u>LECTURE EXAM 3</u>		<u>LAB EXAM 3</u>	

TENTATIVE SCHEDULE OF TOPICS

(schedule subject to change)

Week	Day	Date	Lecture Topic	Text	Lab	Man.
13	T	MAY 6	The Lymphatic System	c-21	Lymphatic System model	Ex-25
	TH	MAY 8	Endocrine System [LAST DAY TO DROP: <u>F MAY 9</u>	c-17		Ex-21
14	T	MAY 13	Nervous System	c-12 c-13 c-14 c-15	spinal cord; spinal nerve; vertebral column	Ex-15 Ex-16 Ex-17 Ex-18
	TH	MAY 15	Nervous System	c-12 c-13 c-14 c-15	spinal cord; spinal nerve; vertebral column	Ex-15 Ex-16 Ex-17 Ex-18
15	T	MAY 20	Nervous System	c-12 c-13 c-14 c-15	Vertebral Column with Spinal Nerves Brain Models	Ex-15 Ex-16 Ex-17 Ex-18
			Reproductive System	c-25	Reproduction Models	Ex-29
	TH	MAY 22	Reproductive System	c-25	repro & torso models	Ex-29

PLEASE TURN TO OTHER SIDE!!!

TENTATIVE SCHEDULE OF TOPICS

(schedule subject to change)

16	T	MAY 27	MEMORIAL DAY <u>No Class</u>			
		MAY 29	Hematology	c-18	blood smears	Ex-22
17	T	JUN 3	<u>Review</u>			
	TH	JUN 5	<u>FINAL EXAM</u>			