

Anatomy 1 – Spring 2020

Los Angeles Mission College

Instructor: Dr. Ali Ebnesahidi

Lecture Hours: W 7:00 PM - 9:00 PM (CMS 105), S 11:20 AM - 12:30 PM (CMS 004)

Laboratory Hours: S 8:00 AM - 11:10 AM (CMS 102) / S 12:50 PM - 4:00 PM (CMS 102)

Office Hours: S 4:00 PM - 5:50 PM (CMS 102)

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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.

Student Learning Outcome

Anatomy 1 students will develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy.

Anatomy 1 students will apply gross and microscopic anatomy to identify histological preparations and anatomical structures.

Prerequisite: Biology 3 or 5, English 28 or ESL 8

Recommended: college-level reading, writing, and study skills

Last day to add with a permission code – 2/24/20

Last day to drop without a "W" 2/23/20 - , Last day to drop with a "W" – 5/10/20

Course Objectives

- (1) To learn the language and fundamental concepts of basic human anatomy in order to be successful in future academic and/or professional endeavors.
- (2) 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.

Books

Required: Human Anatomy 9th /E Marieb, Wilhelm, and Mallatt.
Human Anatomy Lab Manual Cat Version by Marieb, et. al. – Custom Version for LA Mission College
Anatomy lecture notes Online (Canvas), Ebnesahidi.

Evaluation and Grading

Quizzes (8 X 10 = 80)

A total of 8 quizzes will be administered during the semester. Each quiz will start at the beginning of class and will take approximately ten minutes. Quizzes will emphasize all reading assignments and material covered in previous class meetings. The quizzes are intended to stress the importance of reading the assigned material in the text before coming into the lecture and staying up with the material as the semester progresses. Each quiz will be worth 10 points. **Quizzes cannot be made up.**

(2) **Laboratory Review Sheets and Lab Participation** (15 X 10 = 150 points)

Students are required to complete the Review sheets (RS pages) in 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 week will be worth 10 points. **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.** The number of review sheets may change due to circumstances that may arise during the semester but the total points still remains the same.

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

There will be 3 objective midterm exams scheduled on Wednesday, 3/04/20; Wednesday, 4/01/20; and Wednesday, 4/29/20. **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.

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

There will be 2 lab practical exams scheduled during Week 6 and Week 12. The practical exam will involve the “hands-on” identification and understanding of material presented in the laboratory exercises. **No make up midterm practical exam will be given.**

(5) Final Lab Practical Exam (50 points)

The Final Lab Practical Exam is on Saturday, 6/06/20. It will cover all material from all laboratory exercises throughout the semester but mostly focus on the last 1/3 of materials covered. **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 Wednesday, 6/03/20. It will include all material covered in the course, but mostly focus on the last 1/3 of the materials. **No make-up Final Exam will be given.** Students should plan their schedule accordingly.

(7) Extra credit (32 points)

A total of 4 online quizzes worth 8 points each will be administered.

<u>Evaluation</u>	<u>Number</u>	X	<u>Points</u>	=	<u>Total</u>
Quizzes	8		10		80
Review Sheets*	15		10		150
Objective Exams	3		100		300
Practical Exams	2		50		100
Final Practical	1		50		50
Final Objective	1		120		<u>120</u>
					800

* Total number of review sheets may change.

Tentative Grading Scale

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

Do not fall behind! This is a fast-paced course that covers a lot of material in very few class meetings.

Work together! It is phenomenal what two or more people can learn at a lab table working together compared to one lonely, lost soul trying to find a Portal triad on a liver slide. Come to class prepared to help one another. **Ask questions!** There is no such thing as a stupid question. The chances are that if you don't know what is going on, 80% of the class is sitting there as ignorant as you, waiting for someone to ask. We have all been there before. So speak up! **Read the assigned text before the lecture!** Anatomy is a subject that is learned by repetition, repetition, repetition..... Reading and becoming familiar with the topic and the vocabulary will allow the lectures to help make “sense” of the text book and start you on the process of sinking the material into your gray matter!

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Date	Lecture/Laboratory	Reading/Lab Exercise	Quizzes
Week 1			
	<i>The Language of Anatomy</i>		
	<i>Organ Systems Overview – Rat Dissection</i>	<i>Exercise 1,2</i>	
W 2/12	Intro to Course; Anatomical Terminology	1	
	Study of Tissues – Histology I	4: 64-77	
Sat 2/15	Non-Instructional Day		
Week 2			
	<i>Classification of Tissues</i>	<i>Exercise 6</i>	
W 2/19	Study of Tissues - Histology II	4: 77-99	Quiz #1
Sat 2/22	Integumentary System	5	
Week 3			
	<i>Integumentary System/Membranes</i>		
	<i>Bone Classification: Overview</i>	<i>Exercises 7, 8</i>	
W 2/26	Skeletal Tissues	6	Quiz #2
Sat 2/29	The Axial Skeleton I	7:150-170	
Week 4			
	<i>Axial Skeleton</i>	<i>Exercise 9</i>	
	<i>Fetal Skeleton</i>		
W 3/04	<u>OBJECTIVE MIDTERM EXAM #1</u>		
Sat 3/07	The Axial Skeleton II	7:170-182	
Week 5			
	<i>Appendicular Skeleton</i>	<i>Exercise 10</i>	
	<i>Articulations and Body Movement</i>	<i>Exercise 11</i>	
W 3/11	The Appendicular Skeleton	8	Quiz #3
Sat 3/14	Joints	9	
Week 6			
	<u>LAB PRACTICAL EXAM #1</u>		
W 3/18	Study of Muscle Tissue – Myology	10	Quiz #4
Sat 3/21	The Muscular System I	11:262-298	
Week 7			
	<i>Micro & Gross Anatomy of Muscular System</i>	<i>Exercise 13</i>	
	<i>Dissection - Cat Muscles</i>		
W 3/25	The Muscular System II	11:298-316	
Sat 3/28	The Muscular System III	11:316-344	Quiz #5
Week 8			
	<i>Gross Anatomy of Muscular System II</i>	<i>Exercise 13 (cont'd)</i>	
	<i>Dissection - Cat Muscles (cont'd)</i>		
	<i>Histology of Nervous Tissue</i>	<i>Exercise 15</i>	
W 4/01	<u>OBJECTIVE MIDTERM EXAM #2</u>		
Sat 4/04	Nervous Tissue & CNS	12	
Week 9			
W 4/08	Spring Break		
Sat 4/11	Spring Break		

Date	Lecture/Laboratory	Reading/Lab Exercise	Quizzes
Week 10			
	<i>Histology of Nervous Tissue (cont'd)</i>	<i>Exercise 15 (cont'd)</i>	
	<i>Anatomy - Brain & Cranial Nerves - Dissection</i>	<i>Exercise 17</i>	
	<i>Spinal cord and spinal nerves</i>	<i>Exercise 19</i>	
	<i>Dissection - Cat spinal cord & nerves</i>		
W 4/15	The Brain	13:374-407	
Sat 4/18	Spinal Cord & PNS	13:407-423; 14:427-462	
Week 11			
	<i>Special Senses: Vision – Dissection</i>	<i>Ex. 23</i>	
	<i>Special Senses: Hearing & Equilibrium</i>	<i>Ex. 25</i>	
	<i>Anatomy of the Heart - Dissection</i>	<i>Exercise 30</i>	Quiz #6
W 4/22	General & Special Senses	14:427-432;16:(eye 492-506),(ear 506-515)	
Sat 4/25	The Autonomic Nervous System	15	
	Heart, Blood vessels & Blood	19, 20, 18	
Week 12			
	<u>LAB PRACTICAL EXAM #2</u>		
	<u>OBJECTIVE MIDTERM EXAM #3</u>		
W 4/29	Lymphatic and Immune Systems	21	
Sat 5/02			
Week 13			
	<i>Anatomy of Blood Vessels - Dissection</i>	<i>Exercise 32</i>	
	<i>Anatomy of Respiratory System - Dissection</i>	<i>Exercise 36</i>	
	<i>Anatomy of Digestive System - Dissection</i>	<i>Exercise 38</i>	
W 5/06	Respiratory System	22:646-670	Quiz #7
Sat 5/09	Digestive System	23:67-693	
Week 14			
	<i>Anatomy of urinary System</i>	<i>Exercise 40</i>	
	<i>Urinary system - Dissection</i>		
W 5/13	Digestive System	23: 693-714	
Sat 5/16	Urinary System	24	
Week 15			
	<i>Anatomy of Reproductive system</i>	<i>Exercise 42</i>	
	<i>Reproductive system - Dissection</i>		
W 5/20	Urinary System	24	Quiz #8
Sat 5/23	Reproductive system	25:743-755	
Week 16			
	<i>Lab Review</i>		
W 5/27	Reproductive System	25: 755-777: 3:46-59	
Sat 5/30	Review		
Week 17			
W 6/03	<u>FINAL OBJECTIVE EXAMINATION</u>	8:00 PM - 10:00 PM	
Sat 6/06	<u>FINAL PRACTICAL EXAMINATION</u>		

***Tentative**

Code of Honor and Integrity
Los Angeles Mission College
Department of Life Sciences

Students at Los Angeles Mission College, because they are members of an academic community dedicated to the achievement of excellence and the pursuit of honor, are expected to meet high standards of personal, ethical, and moral conduct. These standards require personal integrity and a commitment to honesty without compromise. Without the ability to trust in these principles, an academic community and a civil society cannot exist. Los Angeles Mission College students and faculty are as committed to the development of students with honesty and integrity as they are to the academic and professional success of its students.

The **Code of Honor and Integrity** is an undertaking of the students, first and foremost, both individually and collectively, that they will:

1. not give or receive dishonorable aid during exams, quizzes or assignments
2. do their share and take an active part in seeing to it that fellow students, as well as themselves, uphold the spirit and letter of the Code of Honor and Integrity.

Some examples of conduct that are regarded as being in violation of the Honor Code include:

- Copying from another's examination or quiz, or allowing another to copy from one's own papers
- Using any unpermitted source of information, human or other, during an exam, quiz or assignment that influences the grade; this includes the use of technological devices
- Any student-to-student collaboration that is unpermitted
- [Plagiarism](#) (plagiarism is defined as the use, without giving reasonable and appropriate credit to, or acknowledging the author or source, of another person's original work)
- Representing as one's own work as the work of another
- Giving or receiving aid on an academic assignment under circumstances in which a reasonable person should have known that such aid is not permitted

As a part of the effort to promote an environment of honesty and integrity during quizzes and examinations, the following guidelines will apply for any courses in the Department of Life Sciences:

1. Students will leave all books and all other non-essential items (e.g. paper, electronic devices) on the floor so that they are not useable nor block the sight line between professor and student. No electronic devices will be in reach.
2. Students will not communicate in any way that will dishonorably assist themselves or another student.
3. Students will leave the room during an exam only if permitted by the professor's policy. If permitted, only one student may leave the room at any time and be gone for only the average length of time needed for the stated purpose. Students will leave all purses, bags, books, phones, jackets, etc., in the classroom during the absence.
4. Students will promote the spirit and letter of the **Code of Honesty and Integrity** by dissuading fellow students from dishonest activity and, when such casual persuasion does not work, informing the professor of the possible dishonest activity, either anonymously, or otherwise.
5. Students will make every effort to avoid even the appearance of dishonesty or lack of integrity. Violation of this policy will not be tolerated and violators will be subject to severe penalties. The success of the **Code of Honor and Integrity** is based upon the collective desire of students, faculty and the community to live in an environment that embraces respect for that which is right – both in the college and in society as a whole.

SPECIAL ACCOMMODATIONS

If you require special accommodations for a disability, religious holiday, or any other reason please inform your instructor(s) within the first week of the course and we will accommodate you if at all possible. For accommodations due to disability, you must consult with the Disabled Students Programs and Services Office after which we will abide by their recommendations.

COLLEGE RESOURCES FOR LAMC STUDENTS

Admissions and Records: Students can register for classes, request transcripts, file petitions for graduation, and drop classes at this office. For more information call 818-833-3322 or visit: <http://www.lamission.edu/admissions/>

Assessment Center: Offers student assessments in English, English-as-a-Second-Language (ESL) and Mathematics. Please contact the Assessment Center at (818) 364-7613 for more information or visit <http://www.lamission.edu/assessment/>

Bookstore: For hours of operation, book availability, buybacks, and other information call 818-364-7767 or 7768 or visit <http://eagleslanding.lamission.edu/default.asp>

Counseling Department: For appointments and information call 818-364-7655 or visit <http://www.lamission.edu/counseling/>

Disabled Students Programs and Services (DSP&S): For appointments, eligibility and information call 818-368-7732 or visit <http://www.lamission.edu/dsps/>

LAMC students with verified disabilities who are requesting academic accommodations should use the following procedure:

- **Step 1:** Obtain documentation of your disability from a licensed professional. You may contact DSP&S to request a [Disability Verification Form](#).
- **Step 2:** Make an appointment to meet with a DSP&S counselor or specialist to review your documentation and discuss reasonable accommodations. To schedule a meeting, please call DSP&S at (818) 368-7732.
- **Step 3:** Bring your disability documentation to your DSP&S appointment. The DSP&S office is located in room 1018 of the Instructional Building.
- **Step 4:** Each semester, obtain an Accommodation Letter from the DSP&S to present to your instructor.

Please complete this process in a timely manner to allow adequate time for accommodations in the classroom.

Extended Opportunity Programs and Services (EOP&S): For appointments, eligibility and information call 818-364-7645 or visit <http://www.lamission.edu/eops/>

Library: For information on hours, resources, workshops, and other services contact 818-364-7106 or visit <http://www.lamission.edu/library/>

STEM Office: For information on free tutoring, resources and academic counseling for STEM (Science, Technology, Engineering, and Technology) students visit: <http://www.lamission.edu/stem>

Tutoring Services in Learning Center: Laboratories for Learning, Writing, Math & Science. Walk-in and appointment services offered. Call 818-364-7754 or visit www.lamission.edu/learningcenter/

Three Attempt Limit

State policy limits students to **three attempts per course**.

Receiving a grade or a "W" for a course counts as an attempt, **regardless of when the course was taken**.

Withdrawal by the deadline to avoid a "W" will not count as an attempt.