

Biology 2457: Human Anatomy and Physiology Lab Syllabus

Classroom: Life Science (LS) Room 435

Textbook: *Human Anatomy and Physiology Laboratory Manual*, 9th ed. by E. N. Marieb (pig version) a new, clean copy is required.
Also you may find the *Atlas of the Human Body* by F.E.Martini et al. helpful.

Instructor Lab Sections Office/Lab Office Hours email

Instructor	Sections	Office Room / Hours
Angela Fornell amfornel@uta.edu	005, 007	LS 130 / Mon 2-3, Tue&Thu 4-5
Daniel Szalay szalay@uta.edu	002, 008, 009	LS 130 / TBA
Amrita Pal palamritaorama@gmail.com	003, 004, 006	LS 139 / Friday 10am-1pm

GRADING

The Laboratory is worth 35% of the total grade. Dr. Henry will be given both a percentage and a point total for each student.

Lab Practical I 125 points
Lab Practical II 125 points
Review Sheets 100 points
Total 350 points

Possible Bonus Points 20 (pop quizzes given at instructor's discretion).

Grading scale:

A: 315 points and up (90% and up)
B: 280 – 314 points (80 – 89%)
C: 245 – 280 points (70 - 79%)
D: 210 – 279 points (60 - 69%)

LAB Dates Exercises Review Sheets Due

WEEK	DATE	EXERCISE	REVIEW SHEET PG/Q'S
1	08/24-27	1: Language of Anatomy 2: Organ System Overview 4: The Cell: Anatomy (only)	Pgs: 11-14 Pgs: 25-26 (omit #8) Pgs: 49-50 (omit #5-10)
2	08/31-09/03	6: Classification of Tissues 7: The Integumentary System 8: Classification of Covering & Lining Membranes	Pgs: 85-90 Pgs: 101-104 (omit #12-16) Pgs: 109-110
3	09/07-10	Labor day holiday	
4	09/14-17	9: Overview of the Skeleton 10: The Axial Skelton	Pgs: 119-122 (omit #14) Pgs: 139-144
5	09/21-24	11: The Appendicular Skeleton 13: Articulations	Pgs: 157-163 Pgs: 183-186
6	09/28-10/01	REVIEW	
7	10/05-08	PRACTICAL 1	
8	10/12-15	14: Microscopic Anatomoy & Organization of Skeletal Muscles 15: Gross Anatomy of the Muscular System 16A: Skeletal Muscle Physiology	Pgs: 193-195 Pgs: 227-233 (omit #13) Pgs: 253-256 (omit #3-5, 8, 9)
9	10/19-22	17: Histology 19: Gross Anatomy of Brian & Cranial Nerves 21: Spinal Cord, Spinal Nerves & ANS	Pgs: 265-268 Pgs: 299-304 (omit #13, 14) Pgs: 337-339 (omit #7-9)
10	10/26-29	22: Reflex Physiology 23: General Sensation	Pgs: 351-353 (omit #8, 13) Pgs: 361-362
11	11/02-05	24: Vision 25: Hearing & Equilibrium 26: Olfaction & Taste	Pgs: 377-382 (omit #11, 12, 18, 23, 30) Pgs: 393-396 (omit #8-11) Pgs: 403 (omit #5-10)
12	11/09-12	REVIEW	
13	11/16-19	PRACTICAL 2	

LABORATORY POLICIES (See the course syllabus for additional policies.)

1. Attendance: Attendance is mandatory. Each student is expected to be on time and to stay the entire duration of the laboratory period. In rare, documented cases, a student may be permitted to attend a different lab section but only during the same week of the missed lab. This case will require prior approval of both instructors and must be accompanied by proper documentation.

2. Review Sheets: Review sheets corresponding to the laboratory exercises must be completed **prior** to the lab period and handed in at the beginning of lab in order to receive credit. Late review sheets are **NOT** accepted.

3. Lab Practicals: There will be two lab practicals, each worth 125 points. **There are no make-up practicals.** Students who have an acceptable, documented excuse and prior approval of Dr. Henry and the lab instructor may have one practical grade counted twice. A picture ID (student id or driver's license) is required for entrance to all practicals. Students coming late will forfeit the time they have missed and may not be admitted to the practical.

4. Safety:

All students are required by the University to take a lab safety course on-line. Failure to do so will result in the student being dropped from the class. Students should dress appropriately for lab, including closed toed shoes and clothing which covers shoulders, chest, abdomen, upper thighs to the knee. It is suggested that long hair be nearly tied back and dangly jewelry be avoided. Absolutely **NO** food or drink (not even water) is permitted in lab nor is it to be consumed in lab.

During the dissection labs (weeks of 10/19 and 11/02: the Brain and Vision) soft contacts should not be worn due to vapors from preservatives used with the dissection materials. This solution and its vapors may cause allergic reactions and irritation. After these dissection labs, it is highly suggested that students wash their hands.

Materials Safety Data Sheets (MSDS): are posted on the bulletin board in lab.

5. Other Policies:

All persons are to be shown respect. Any offending student will be dismissed from lab and may return only after a conference with the instructor and Dr. Daniel Formanowicz of the Department of Biology.

The taking of pictures of models, etc. is strictly forbidden. Models, slides, etc. are available for use in the Science Education and Career Center (LS 106).

The student MyMav email account is an official avenue for University communication. Students are required to check this email on a regular basis. The instructors for this lab may make necessary communications through MyMav and students are solely responsible for being aware of such communications.

Cell phones should be off during the lab lecture. If you need to receive a call, you may take the call outside the lab in the hallway.

6. Science Education and Career Center (located in LS 106): This center offers similar models and slides. Hours of operation are:

Monday – Thursday 9:00 am – 6:00 pm

Friday 9:00 am – 1:00 pm

Saturday and Sunday Closed

7. Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of the federal equal opportunity legislation: reference Public Law 93112 – The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

Lab instructors are required by law to provide “reasonable accommodation” to students with disabilities, so as not to discriminate on the basis of disability. Student responsibility primarily consists of informing instructors at the beginning of the semester of the situation and of providing authorized documentation through designated administrative channels concerning any disabilities.

8. Academic Dishonesty: It is the philosophy of the University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

“Scholastic Dishonesty includes but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.” (Regents’ Rules and Regulation, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22).