

COURSE MATERIALS

Modified Mastering A&P code with eText (includes Interactive Physio, PAL, and PhysioX lab access).
Pearson. ISBN: 9780134763415

You will need this Mastering A&P access code to participate in laboratories.

You must have your ID (student ID or driver's license) to attend your open lab section or the practicals. Failure to show your ID will prevent you from entering the lab.

LABORATORY INSTRUCTOR INFORMATION

Instructor	Days/Times (sections)	Email
Richard Adams	W 10 - 11:50am (17/18) W 5 - 6:50pm (19/20)	radams@uta.edu
Santosh Dhamala	M 10 - 11:50am (4/5) TH 8 - 9:50am (21/22)	santosh.dhamala@uta.edu
Mohammad Eslamieh	M 5 - 6:50pm (6/7) T 8 - 9:50am (8/9)	eslamieh@uta.edu
Brijesh Khadgi	M 8 - 9:50am (2/3) W 8 - 9:50am (15/16)	khadgi@uta.edu
Dr. Xavier Aranda	T 10 - 11:50am (11/12) TH 10 - 11:50am (23/24)	aranda@uta.edu
Dr. Nicholas Pollock	T 12 - 1:50pm (13/14) TH 12 - 1:50pm (25/26)	nicholas.pollock@uta.edu

Dr. Pollock is the lab coordinator for all Human Anatomy & Physiology labs. Any absence or rescheduling of a practical must be addressed by him. Any other questions and concerns about labs should be directed to your GTA. Any issues that cannot be, or are not, addressed by your GTA should then be directed to Dr. Pollock via email, office hours, or by appointment.

Dr. Nicholas Pollock (nicholas.pollock@uta.edu)

Life Sciences, Room 466

Office Hours: M 12-1pm, T 11-12pm, W 1-2pm, TH 2-3pm, F 11-12pm, or by appointment

STUDENT LEARNING OUTCOMES

Laboratory goals are to introduce the student to human form and function, with a particularly strong focus on human structural anatomy, and to provide connections with material covered in lecture. This laboratory is hybrid in form, incorporating online and in-person components. Students will use Pearson Mastering A&P online material (*Practice Anatomy Lab*: models, cadaver, histology; *PhysioX*: virtual lab experiments) and other online exercises to emphasize the basic anatomy and physiology of cardiovascular, respiratory, urinary, digestive, and reproductive systems. Anatomical

language will also be a heavy focus. To supplement the online activities, students are highly encouraged to attend open laboratories to review models and histology slides.

TENTATIVE SCHEDULE

LAB WEEK 1	Introduction to Mastering AP Cardiovascular System: Blood
Aug 26 - Sept 1	
	Group Presentation Topics Due NO LABS Work on your Group Presentations!
Sept 2 - Sept 8	
LAB WEEK 2	Cardiovascular System: Heart
Sept 9 - Sept 15	
LAB WEEK 3	Cardiovascular System: Blood Vessels
Sept 16 - Sept 22	
LAB WEEK 4	Cardiovascular Physiology
Sept 23 - Sept 29	
LAB WEEK 5	Respiratory System
Sept 30 - Oct 6	
Oct 7 - Oct 13	NO LABS Presentation Abstracts Due Oct 8 @ 1am
LAB WEEK 6	Practical I (attend your scheduled lab)
Oct 15 - Oct 19	
LAB WEEK 7	Digestive System
Oct 21 - Oct 27	
LAB WEEK 8	Urinary System
Oct 28 - Nov 3	
LAB WEEK 9	Reproductive System
Nov 4 - Nov 10	
LAB WEEK 10	Group Presentations Due Nov 12 @ 1am
Nov 12 - Nov 16	
Nov 18 - Nov 24	NO LABS
LAB WEEK 11	Practical II (attend your scheduled lab)
Nov 26 - Nov 30	

GRADING POLICY

Laboratory is worth **35%** of the total course grade. The lecture professor will be given both a percentage and a point total for each student.

- You are NOT permitted to drop lecture or laboratory. Drops and withdrawals will be applied to both.
- Group work does NOT mean that one person does the assignment and everyone gets the grade. If your GTA feels confident that you did not participate in a group assignment, you will receive a reduced grade or a grade of 0.
- Evidence of collusion on individual assignments will result in a grade of 0 for both parties.
- Quiz and assignment grades from Mastering A&P will be posted on Blackboard within 1 day of completion. Practical grades will be posted within 2 weeks of completion.
- Students have one week from the time a grade is posted on Blackboard to dispute the grade. Grades cannot be contested after this deadline has passed.
- Course policy prohibits extra credit in any form.
- There are no curves, so don't ask.

**** Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels.**

GRADES

Quizzes (9 @ 10 pts each)	90
Lab Practicals (2@ 100 pts each)	200
Group Presentation	20
Group Presentation Abstract	10
<u>Lab Exercises</u>	<u>92</u>
Laboratory Total:	412 points

For each lab, you will need to go onto Blackboard > Course Materials, find the appropriate lab folder, and follow all instructions to complete the lab quiz, activities, and terms lists. Labs will have a 1-week time period to be completed, after which grades of 0 will be applied and material can be reviewed.

LAB QUIZZES

Quizzes will be administered through Mastering A&P and grades will be posted to Blackboard within 48 hours of completion. Questions will focus primarily on material covered in the current lab, but because A&P is interconnected, quizzes may also include material from previous labs. Make sure to follow all instructions and study for these quizzes (using PAL, PhysioX, terms lists, etc.) since they are a large part of your laboratory grade and will be one metric to follow your learning progress. **Quizzes will consist of 10 questions, have a 10-minute time limit, and you will not be able to go back to previous questions.** Quizzes cannot be taken after the due date.

LAB ACTIVITIES

Lab activities (including PhysioX virtual labs, exercises, and questions) are to be completed through Mastering A&P. Grades will be posted to Blackboard within 48 hours of completion. These activities are a large part of your laboratory grade and are very important for monitoring your learning

progress. That being said, make sure to follow all instructions, take your time, take notes, and thoroughly complete any activities assigned. Activities cannot be taken after the due date.

LAB PRACTICALS

Practicals will be administered in-person during your scheduled lab time. Practicals will consist of 50 stations with 1 question per station (50 questions total). Questions will be short answer, fill-in-the-blank, and multiple-choice. Practical I will cover labs 1-5 and Practical II will cover labs 6-8. You will have 60 seconds for each station. All questions will be chosen from material included in online lab quizzes, exercises, and terms lists, and will include models, histology slides, and some data interpretation (on the basis of PhysioX virtual labs). **There are absolutely no make-up practicals.** Students who have an acceptable, documented excuse and prior approval of Dr. Pollock may be allowed to take a practical in a different section **only** during that same week. **Failure to take the practical during the scheduled week will result in an incomplete for the course.** Students showing up late will not be admitted to the exam.

GROUP PRESENTATION

Presenting scientific and medical findings to an audience is an important skill. Working and communicating with others is also very important. To facilitate these skills, students will be required to participate in a group presentation of a research topic of the groups choosing a disease, disorder, clinical manifestation, or new treatment in one of the systems of this course: cardiovascular (blood, heart, vessels), respiratory, urinary, digestive, and reproductive systems. You will need to collect information from peer-reviewed journals, synthesize this information using critical thinking, and present your findings to the class. **Groups are pre-assigned and you must work with your assigned group members.** Group presentations must be submitted through SafeAssign on Blackboard (SEE BELOW). **Submit your presentation topic to your GTA by September 2. Failure to do so will result in a 1-point deduction every day it is late.**

GROUP PRESENTATION ABSTRACT

The ability to convey scientific information in a concise and understandable way is incredibly important in most professions. This assignment will require you to write a summary of your group presentation. **Make sure that you write your own abstract and do not use an abstract from a fellow group member. This is plagiarism!** Abstracts must have a normal size 12 font, must be double-spaced, must be no more than 1 page in length, and must be submitted through SafeAssign on Blackboard (SEE BELOW).

Group Presentation & Abstract Submission Policies:

1. You must follow submission guidelines in order to receive full credit.
2. Submissions must be in Powerpoint or Word format depending on the assignment. Do NOT submit a PDF to SafeAssign. It will NOT be graded and you will receive a 0.
3. Do NOT submit assignments via email. They will NOT be accepted.
4. **Pay attention to the due dates. Late assignments, or those incorrectly submitted, will absolutely not be accepted and will receive a grade of 0.**
5. It is your responsibility to submit all assignments correctly and on time. Except in the case of documented technical difficulties, you will not be given extra time to submit electronic assignments in the case of computer-related issues.
6. It is recommended that you take a screen shot of successful electronic submissions. Complaints of missing submitted assignments will not be considered without documentation. This requirement also applies to failed submission attempts due to technological difficulties.
7. Do NOT turn in work that has been completed and submitted for a different class or assignment, you will be reported to student conduct.

8. Submissions through Blackboard are considered final. Requests to clear submission attempts will not be considered, except in cases where technological difficulties can be proven.

EXPECTATIONS

1. Be attentive to the information and instructions that your GTA provides.
2. Check your Blackboard announcements and email as the GTA will use these forms of communication to inform you of important dates and reminders regarding the lab.
3. Follow all deadlines for submission of quizzes and assignments. Late submissions will receive a grade of 0.
4. Abide by all rules and regulations regarding safety conduct in the lab. SEE BELOW.
5. By enrolling as a student at UTA, you have agreed to abide by the University's Honor code. Ultimately, it is your responsibility to ensure that you abide by this promise and uphold the integrity of UTA. If you are unsure if your assignment contains plagiarism, it is your responsibility to meet with your GTA to get help prior to submitting the assignment.
6. Your education is your responsibility. The best way to get the grades that you desire, and to achieve success in the course, is to work hard, study, and dedicate time to learning the material and developing strong scientific writing skills.

ATTENDANCE & OPEN LABS

1. Throughout the semester, there will be open labs in which you can attend your scheduled lab time. This is highly encouraged so you can review models, histology slides, and any lab material with your GTA. Open labs will serve as the GTA office hours.
2. Attendance to your scheduled lab time is mandatory for lab practicals and group presentations.
3. **You must have your ID (student ID or driver's license) to attend your open lab section or the practicals. Failure to show your ID will prevent you from entering the lab.**
4. If you must miss a practical, contact Dr. Pollock and your GTA prior to the absence. You may be permitted to attend a different lab section that week with a legitimate, documented excuse (e.g., medical, death in the immediate family, illness of a family member for which you are the primary care provider).
5. No absence will be considered excused without appropriate documentation, regardless of the cause. Absences due to relationship issues, conflicts with work, or a planned trip will not be excused.
6. If you are unable to contact Dr. Pollock and your GTA prior to missing lab, you must notify them of the cause of the absence within 24 hours of the missed lab. Absences brought to attention after this time will not be considered excused regardless of reason or documentation.

ACADEMIC INTEGRITY

Each student has the responsibility to uphold the highest standards of academic integrity in their own work, to refuse to tolerate violations of academic integrity in the university community, and to foster a high sense of integrity and social responsibility on the part of the university community. Cheating and Plagiarism: Plagiarism is defined as the use of any information, published, or unpublished without acknowledgement. Cheating occurs when you use the work of another student in place of your own. Neither will be tolerated. It is extremely important that you distinguish your own ideas from those of others. You must always acknowledge sources. If you have any questions, see me.

SAFETY

1. Safety attire consists of **long pants that cover the ankle and shoes that cover the toes and the top of the foot.**
2. Failure to wear proper safety attire in each lab will prevent you from attending the open lab and you will receive a grade of 0 on anything missed.
3. **There is absolutely no food, drinks, and gum permitted in the lab at any time.**

CONFLICT RESOLUTION

If you are experiencing an issue in lab, you must first arrange a meeting with your lab instructor. If the issue remains unresolved after you have met with your lab instructor, you may then consult the Laboratory Coordinator, Dr. Nick Pollock. If the issue still requires attention, you may consult the Associate Chair of the Department of Biology, Dr. Laura Mydlarz. To do this you need to file a grievance at <https://www.uta.edu/php-lib/machform/view.php?id=3403>. You must file the form in order to have your issue heard. None of the listed personnel will discuss the issue with you until you have first consulted all of those preceding him/her.

AMERICANS WITH DISABILITIES ACT

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 consists of informing the lab coordinator and GTA **by the end of the second week of labs, and prior to any assignments, quizzes, or activities that require accommodation.** Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities (University Hall, Room 102, 817-272-3364).

TITLE IX

The University of Texas at Arlington is committed to upholding U.S. Federal Law “Title IX” such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit www.uta.edu/titleIX.