

ANATOMY & PHYSIOLOGY I

BIOL3455.0U1

M; 11:30 AM - 2:45 PM

JSOM 2.115

Instructor Ruben D. Ramirez, M.D., Ph.D.

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Office Hours Monday & Wednesday, 3:00 pm – 4:00 pm, and 7:30 pm – 8:30 pm

Description:

Biology 3455, Human Anatomy and Physiology I, is the first of a two-part series designed as a comprehensive examination of the basic principles of human physiology in the context of a detailed examination of human anatomy. The course is designed to give the pre-professional health care student a detailed fundamental background to enable the student to excel in the anatomical and physiological sciences within the professional school curriculum. This first-half study of the structure-function relationship includes a survey of tissue types, osseous histology and structures, skeletal muscle physiology and anatomy, neurophysiology and anatomy and sensory systems. Emphasis will be placed on the anatomy, physiology, and the interrelationships of these systems as outlined in a model-based laboratory setting.

Student Learning Outcomes:

1. Develop an anatomical vocabulary to effectively describe clinical findings from a physical examination.
2. Recognize the macroscopic and microscopic anatomical structures of human body and explain their physiological roles.
3. Describe the principle of homeostasis and the feedback loops to control physiological systems in the human body.
4. Explain how physiological processes, mechanisms and pathways of the human body influence and maintain human homeostasis.
5. Recognize and explain the interrelationships between organ systems, their anatomical structures, and their physiological functions in the human body.
6. Recognize and explain the pathophysiological mechanisms for homeostatic imbalances.
7. Demonstrate laboratory procedures to examine anatomical structures (in models, dissections, and microscopic slides) and determine their physiological functions.
8. Analyze and interpret data from anatomical and physiological graphs.

Course Pre-Requisite, Co-Requisite, and/or Other Restrictions:

Pre-requisite: Introduction to Modern Biology II (BIOL2312) or equivalent.

Co-requisite: Human Anatomy & Physiology Lab: BIOL 3455. 1U1, 1U2 & 1U3.

Lab Instructors	E-mail	Sections
Ruben D. Ramirez, M.D., Ph.D.	Ruben.Ramirez@UTDallas.edu	1U1, 1U2 & 1U3

Lab Sections:

Lab Section	Days & Times	Room	Professor
1U1	W, 4:00pm – 7:15pm	SLC 2.206	Dr. Ramirez
1U2	W, 11:30am – 2:45pm	SLC 2.206	Dr. Ramirez
1U3	M, 4:00pm – 7:15pm	SLC 2.206	Dr. Ramirez

Required Textbook and Materials:

LECTURE	LAB
1. Fundamental of Anatomy & Physiology <ul style="list-style-type: none"> Authors: Frederic H. Martini, Ph.D.; Judi L. Nath, Ph.D. & Edwin F. Bartholomew, M.S. 11th edition A La Carte (3 hole punch) Plus <u>Modified</u> Mastering A&P VP Fundamentals with eText Package ISBN: 013477521X 	2. Human Anatomy & Physiology Laboratory Manual <ul style="list-style-type: none"> Authors: Elaine N. Marieb, R.N., Ph.D. & Lori A. Smith, Ph.D. 11th edition Main version Plus Modified Mastering A&P* with eText* Package ISBN: 0134156749 <p>* Only the Lab Manual is required.</p>

In UTD bookstores, the lecture textbook and the lab manual are sold EACH as a separate package. In the Lecture package, you will find the lecture textbook (new edition), its access code to its Modified Mastering (textbook-specific) with eText for the textbook. In the Lab package, you will find the lab manual, its access code for its Modified Mastering (book-specific) with eText for the lab manual. You can purchase these packages in UTD bookstores or you can purchase the individual books in other places (not as this package). To purchase from sources other than UTD bookstores, you will need to use different ISBNs, which you can obtain at the Pearson website.

Textbooks and Lab Manuals in Library Reserve Desk:

One copy of the lecture textbook (Martini's) is on circulation desk in the Library. Request this reserved book in Circulation Desk. It is set for 2-hour check out.

Grading Policy:

- Grades for lecture will be calculated as follows:

a. Lecture Exams (3)	54%	} = 100%: Final Overall Grade
b. Lecture Quizzes	10%	
c. Lecture Homework	10%	
d. Practical Lab Exams (2) and Post-Lab Quizzes	26%	

- Grading scale:

Grade	Score	Grade	Score	Grade	Score	Grade	Score
A+	100-96	B+	87-85	C+	77-75	D+	67-65
A	95-92	B	84-82	C	74-72	D	64-62
A-	91-88	B-	81-78	C-	71-68	D-	61-58
						F	57 and below

- Except for the Final Grade, all scores will be rounded to the nearest hundredth. A score ≥ 0.005 will be rounded up; while a score < 0.005 will be rounded down. For example, a homework score of 87.995 will round up to 88.00; while a score of 87.9949 will round down to 87.99.
- Final Grade will be rounded to the nearest integer. A final grade of ≥ 0.5 will be rounded up; while a final grade of < 0.5 will be rounded down. For example, a final grade of 87.5 will round up to 88, thus letter grade "A-"; while a final grade of 87.49 will round down to 87, thus letter grade "B+". No points or fraction of a point (regardless how small) will be awarded to increase to the next letter grade up (No Exceptions).
- Grades are determined based only on performance. Grades are not based on need, effort, or attendance.
- I do not curve grades (do not ask, beg, cry or plead).

Lecture Examinations:

Exam I - M, 6/11 at **JSOM 2.115** for section 0U1 (Chapters 1, 5 & 6)

Exam II - M, 7/09 at **JSOM 2.115** for section 0U1 (Chapters 10/11, 12 & 14)

Exam III - **Thursday, 8/02* or Friday, 8/03* potentially at JSOM 2.115** for section 0U1 (Chapters 13, 15, 16 & 17)

*** Potential date/time/room for Exam III will be determined by Registrar on or after Census Date (5/31/2018).**

Potential date/time/room for a Makeup Exam due to bad weather or other unexpected events are pending.

Course Policy:

Components of the course that will be used to calculate your final overall grade are:

- Lecture Exams,
- Lecture Quizzes,
- Lecture Homework, and
- Practical Lab Exams with Post-Lab Quizzes.

1. **Lecture Exams:**

- a. Three (3) "regular" lecture exams will be given during the semester. There will be **no Final Exam**. **Schedule can also be found in pages 3, 11 and 15 of this syllabus.**
- b. **Exams I and II will be in JSOM 2.115 starting at 11:30am. I will lecture after exams I and II. Exam III date/time/room is currently pending. Schedule for lecture exams can be in pages 3, 11 and 15 of this syllabus.**
- c. The average of three lecture exams will count 54% of final overall grade (thus, each lecture exam is 18% of final overall grade). **No lecture exam will be dropped.**
- d. The structure of the exams will be multiple choice, true/false, and matching questions. There will be **100 questions** on all exams, and the time allowed to complete the exam will be **1 hour and 15 minutes**. You will need a Scantron (ParSCORE, SCORE SHEET, Form No. F-1712-PAR-L) for all exams.
 - Questions 1 – 100 will be worth 1 point each
 - All questions will require only **one mark** on the scantron. For example, if there are two or more correct answers in a particular question, you will have options such as option "A and B," "B and C," "All of the above," etc. as the answer to be marked on the scantron. Do not mark all options (i.e., option "A", option "B", and option "A and B"). Because, it will be considered as multiple marks (see below). Rather, just mark one option: for example, if statement in "A" and statement in "B" are the correct answers, then **only** mark option "A and B"
 - **Multiple marks or no mark** will count as **incorrect** and will receive **no credit as penalty**. There will be no other penalty for marking multiple answers or no answers.
 - Questions 101 – 103 will be **bonus questions**
 - Maximum number of bonus points will be 6 points per lecture exam. Thus, questions 101 – 103 will be worth 2 points each.
 - Bonus points will be made available during all lecture exams.
 - No bonus/extra points will be awarded to the final overall grade.
 - **The only answers that will count to calculate the score of your exam will be the correct answers that you marked on the scantron sheet, NOT the answers that you mark on the hard copy of the exam.** So, **make sure you have transferred correctly your answers from the exam to the scantron sheet. Check multiple times that you have transferred correctly your answers from the exam to the scantron sheet. No credit will be given for incorrectly transferred answers or for forgetting to transfer, regardless you have marked the correct answer(s) in the hard copy of the exam (NO EXCEPTIONS)**
 - **When you finish your exam, you MUST submit BOTH the hard copy of the exam and the scantron sheet.**
- e. Everything in the textbook is fair game for lecture exams/quizzes/homework, regardless of whether it is presented in class or not. **You are responsible to use all information contained throughout the entire chapters and additional sources (see below) to prepare for exams/quizzes (regardless of whether or not this material is presented in class).** Information from additional sources is presented in self-study activities of Mastering A&P (see lecture schedule below), such as PhysioEx 9.1, Interactive Physiology, A&P Flix, or Clinical Case Studies, which will also be fair game for exams/quizzes/homework.
- f. For exam purposes only, when there are conflicts between the information contained in textbook (or any other outside source) and the material presented in class, the material presented by the professor in class will rule over what is written in textbook/outside sources.
- g. **Do not miss lecture exams! (If exams are missed you must be able to verify your reason for missing exam).**
- h. **Makeup lecture exams: DO NOT assume you are eligible to a makeup exam. It is up to the instructor to decide if a student is eligible for a makeup exam. Appropriate documentation must be supplied before any makeup exam is granted (please discuss with instructor what is considered an appropriate documentation).**

If there are circumstances that warrant a makeup, the instructor will determine the criteria for such an exam at the appropriate time. **However, be aware that the structure of makeup exams will be different than that specify in #1d above.**

The only Legitimate Reasons to make up missed lecture exams are as follows: death of an immediate family member, bona fide medical emergencies, and military orders. Proper documentation must be presented in writing before a makeup exam is granted. And it must be presented before the exam date, on the exam date, or not later than 1 week from the exam date – **no exceptions**

NOTE 1.- Makeup exams WILL NOT be granted for other reasons, such as, trips to weddings, graduation, vacations, visits, etc. Please, do not purchase tickets for trips that would be during exam dates. If you must go to this trip or if it costs excessive amount of money to change trip tickets, reservations, etc., then consider dropping the course from the summer 2018 semester. Please, do not ask for "other" ways.

- i. **Late to Exam:** Exams are scheduled to begin at the same time as lecture (11:30 am– see above clause #1b). However, I usually take around 10-15 minutes to give instructions regarding the exam and to shuffle the students in the classroom. So, no one must arrive after I have done everything described above. Yet, someone might still arrive late. Keep in mind that arriving after the exam has already begun is very disruptive to your classmates. Be polite and considerate to your classmates and arrive on time.

For those who arrive after the exam has begun: Consider that it is the student responsibility to allow plenty time to arrive to the school to take exams, in case some awkward event happens, i.e., traffic jams, car accidents, etc. Therefore, neither one of these events will justify a student arriving late to an exam. For those who still arrive late to an exam, the following will be the penalties:

1) if one (1) student finishes the exam, turns it in, and leaves the classroom before you arrive, you will not be allowed to take the exam, your score for the particular exam will be zero (0), and there will be no makeup exam. (No EXCEPTIONS)

2) if a student arrives after the exam has begun (and assuming no one has finished the exam and/or turned it in), then the student that has arrived late will be given whatever amount of time is left to finish the exam (i.e., 1 hour and 15 minutes is the normal time allowed to complete regular exams, but if student arrives 15 minutes after the exam has started, then the student will be given only the remaining 1 hour – which is the amount of time left – to complete the exam). (No EXCEPTIONS)

- j. Graded exams will not be reviewed in class. Exams will be kept on file in the instructor's office and will be available for review for 1 week (if student wants to review after this week, contact professor within this week to make appointment), starting the next day after the exam grades are posted in eLearning. The student is responsible for scheduling time to review. All issues regarding exam questions and grades must be resolved within this week. After this week, grades will be considered final.

2. **Lecture Quizzes:**

- a. Quizzes will be taken in [eLearning](#).
- b. There will be a **maximum** of **10 quizzes** posted in [eLearning](#). **Quiz schedule, period to take the quiz, and the expiration dates are found in page 13 of this syllabus (quizzes will disappear from [eLearning](#) after the expiration date).**
- c. Always read the instructions prior to taking the quiz.

- d. Quizzes will be posted in [eLearning](#) for **4 days (96 hours)**. During this period you can take the quiz (due date/time are shown in page 13 of this syllabus and in [eLearning](#)). Thus, do not procrastinate, because there will be no makeup quiz for missing quizzes (**ABSOLUTELY NO EXCEPTIONS**). A missed quiz will receive a zero (0) score.
- e. Quizzes are **timed** (the time for each quiz may vary, so always read the instructions prior to begin the quiz). And only **two attempts** to take quizzes will be allowed (you will get the highest score out of the two attempts).
- f. The **lowest two (2) quizzes** will be **dropped**. All quizzes are mandatory. There are no optional quizzes (if you miss a quiz, you will get a zero – 0 – score).
- g. **The average of all quizzes minus the lowest two scores (2) will count 10% of final overall grade.**

3. Lecture Homework:

- a. Homework will be taken in [Mastering](#). You will find access to [Mastering](#) in [eLearning](#). You will first need to register in [Mastering](#) before you can get access to activities (including homework) in [Mastering](#). To do so, go to [eLearning](#), click on the lecture site for this course (Lecture), in the Course Menu (on the left hand side), click on "[Pearson Mastering A&P \(Homework\)](#)" link, and follow the instructions.
- b. There will be a **maximum of 10 homework assignments**. **Homework schedule, periods to take the homework, and the expiration dates are found in page 13 of this syllabus (homework assignments will disappear from [Mastering](#) after the expiration date).**
- c. Homework will be comprised of activities and reading questions from textbook or activities found in the **Study Area** of [Mastering](#) such as, PhysioEx 9.1, Interactive Physiology, A&P Flix, or Clinical Case Studies.
- d. Always read the instructions prior to taking homework. You can lose points by answering incorrectly. See sample of Grading Policy below, clause #3e.
- e. Check the grading setting on all homework under '**Grading Policy**' to see how homework will be graded. Below is a sample of grading policy: **THIS IS JUST A SAMPLE (SEE SAMPLE WITHIN QUOTATION MARKS).**

"Grading Policy for Homework

Number of answer attempts per question is: 6

You gain credit for:

- Correctly answering a question in a Part
- Correctly answering a question in a Hint
- Not opening a Hint (2% bonus)

You lose credit for:

- Exhausting all attempts or giving up on a question in a Part or Hint
- Incorrectly answering a question in a Part or Hint

Homework/Assignments are not timed. But there is a due date. Therefore, late submissions: receive no credit. There will be no make-ups (**no exceptions**)

Hints are helpful clues or simpler questions that guide you to the answer. Hints are not available for all questions. There is **no penalty** for leaving questions in Hints unanswered.

Grading of Incorrect Answers before the last attempt:

- You lose 100% / (# of options - 1) credit per incorrect answer on multiple-choice and true/false questions.
- You lose 3% credit per incorrect answer on questions that are not multiple-choice or true/false."

- f. Homework will not be timed, but they will have a due date. You will have **4 days (96 hours)** to complete each homework (due date/time are shown in page 13 of this syllabus and in [Mastering](#)). Thus, do not procrastinate, because there will be no makeup assignments for missing homework (**ABSOLUTELY NO EXCEPTIONS**). A missed homework will receive a zero (0) score. Late submission will not be accepted (**REGARDLESS OF THE REASON**).
- g. Only **one attempt** to take homework will be allowed. These homework assignments are like hard copy homework. That is, you don't need to finish in one sitting. You can save and continue working on the homework the following day, until the due date/time. Once the due date/time has been reached, you won't be allowed to continue working on the homework assignment.
- h. The **lowest (1) homework** will be **dropped**. All homework assignments are mandatory. There are no optional homework assignments (if you miss a homework assignment, you will get a zero – 0 – score).
- i. **The average of all homework assignments minus the lowest score (1) will count 10% of your lecture grade.**

4. Practical Lab Exams with Post-Lab Quizzes:

- a. Two (2) practical lab exams will be given during the semester. **Schedule can also be found in pages 12 and 15 of this syllabus.**
- b. The test classroom for all three **practical lab exams** will be **SLC 2.206**.
- c. The average of all two practical lab exams will count 26% of final overall grade (thus, each lab practical exam is 13% of final overall grade). No practical lab exam will be dropped.
- d. The structure of the practical lab exams will be **fill-in-the-blank and short-answers questions** (no essay questions). So, you will not need a Scantron for lab practical exams. An answer-sheet will be provided.
 - Make sure you write clearly your answers and your official name in UTD. No credit will be given if answers and/or names cannot be figured out due to illegible handwriting (either printing or cursive styles), despite our best efforts to read your answers and/or student's names
 - There will be between 60-100 regular questions distributed in 32 stations (2-4 questions per station), plus 5 additional bonus questions in the 33rd station.
 - Regular questions will be worth $(1/n) \times 100$ points each (where n = total number of regular questions in a given practical test)
 - Bonus questions will be worth 1 point each (thus, maximum number of bonus points is 5 points per practical test).
 - No bonus/extra points will be awarded to the final overall grade.
 - During the practical exam, one (1) minute will be allowed per station (not per question), including the bonus station.
 - In addition, ten (10) minutes will be allowed at the end of the practical exam for you to go back to any station and in any order to double-check your answers. During these 10-minute period, there are a few rules:
 - i. **No talking will be allowed during these 10 minutes**
 - ii. **Cover your answer-sheet always (students not covering their answer sheets will be penalized by 100% reduction of their practical score, the exam will be taken, and the student will be dismissed)**
 - iii. Only one student per station will be permitted

- iv. However, since other students need to see the stations too, do not stay too long in a station. Be considerate to your classmates
 - Because each professor conducts practical lab exams slightly different, then each lab professor will give you additional specific instructions prior to entering the lab room to take a practical lab exam. Since, in summer semesters, I am the only professor for all 3 lab sections, then, you will get these additional instructions from me.
- e. In addition to the Bonus questions, there will be **Post-Lab Quizzes** for each lab session.
- There will be 11 Post-Lab Quizzes. **Post-Lab Quiz schedule, period to take the quiz, and the expiration dates are found in page 14 of this syllabus (post-lab quizzes will disappear from [eLearning](#) after the expiration date).**
 - Each Post-Lab Quiz will be worth 1 point
 - All points earned from Post-Lab Quizzes will be **added** to the pertaining Practical Lab Exam score
 - A **maximum of 5 Post-Lab-Quiz points** per Lab Practical Exam will be awarded
 - Post-Lab Quizzes will be taken in **eLearning**
 - All Post-Lab Quizzes will be posted in eLearning **from Thursday to Sunday**
 - Post-Lab Quizzes will consist of **10 questions** which will be worded the same as in the real Practical Lab Exams. So, you can take these Post-Lab Quizzes as practice for the real Practical Lab Exam
 - Post-Lab Quizzes will be **timed = 5 minutes per 10 questions** (just like in real Practical Lab Exams)
 - You will have **two (2) attempt** to do the Post-Lab Quizzes, and the **highest score** will be taken
 - There will be **no makeup Post-Lab Quiz** regardless of the reasons (**No EXCEPTIONS**)
- f. Everything in the lab manual is fair game for practical lab exams, regardless whether or not it is presented in class. You are responsible to use all of the information contained throughout the entire chapters to prepare for lab practical exams (regardless of whether or not material from chapters is presented in class). Information presented in 1) activities of Mastering A&P, such as Histology Atlas and PAL 3.0, 2) activities in ADI, such as EEG, muscle physiology, and Reflex/Reaction Time, and 3) physiological activities, such as stretch reflexes, autonomic reflexes, two-point threshold test, blind spot test, visual acuity test, astigmatism test, depth perception, ophthalmoscopy examination, Weber test, Rinne test, Romberg test, otoscopic examination, etc. will also be fair game for practical lab exams. **So, it is highly recommended that you participate in all of these activities.**
- g. For exam purposes only, when there are conflicts between the information contained in the lab manual (or any other outside source) and the material presented in class, the material presented by the professor in class will rule over what is written in lab manual/outside source.
- h. **No one will be allowed to take practical lab exams in a lab section in which the student is not enrolled (regardless of the reason) without prior authorization by me and the professor involved. Granting permission to take the practical lab exam in a different section will depend on whether there is space in the lab room for this student or not. If lab section is full, no student will be authorized to take the practical lab exam and overload this lab section.**
- i. **Do not miss practical lab exams! (If exams are missed you must be able to verify your reason for missing the practical lab exam).**
- j. **Makeup practical lab exams are usually NOT given, due to the logistics involved in setting up a practical lab exam. In addition, do not assume you are eligible to a makeup practical lab exam. It is up to the instructor to decide if a student is eligible or not for a make-up exam. Appropriate documentation must be supplied before any makeup exam is granted (please discuss with instructor what is considered an appropriate documentation).**

If there are circumstances that warrant a makeup practical lab exam, the instructor of your lab section will determine **1) whether or not a makeup practical lab exam is logistically possible; and 2) the criteria for such an exam at the appropriate time.**

If the only option is to take a makeup practical lab exam in a different lab section, it could be allowed **only if there is room for the student to take the makeup practical lab exam (students enrolled in the alternative lab section have priority, and no one can take their seats in practical lab exams).**

The only Legitimate Reasons to make up missed practical lab exams are as follows: death of an immediate family member, bona fide medical emergencies, and military orders. Proper documentation must be presented in writing before a makeup practical lab exam is granted. And due to the logistics to prepare a practical lab exam, request and documentation must be presented before the exam date – **no exceptions**

NOTE 2.- Makeup exams will not be granted for other reasons, such as, trips to weddings, graduation, vacations, visits, etc. Please, do not purchase tickets for trips that would be during exam dates. If you must go to this trip or if it costs excessive amount of money to change trip tickets, reservations, etc., then consider dropping the course from the summer 2018 semester. Please, do not ask for "other" ways.

- k. **Late to Practical Lab Exam:** Exams are scheduled to begin at the specified time set by the lab professor. This is usually at the same time as the lab section is scheduled to begin. However, sometimes extra time might be needed for several reasons, i.e., to setup the practical lab exam, to explain students about the mechanics of the practical lab exam, to position the students in their start stations in the lab room, etc. Lab professors will indicate at what time all students must be present outside of the lab room and ready to be called out for the exam. **So, no one has to arrive after the professor has done all of the above and the practical lab exam has begun.** Yet, someone might still arrive late. Keep in mind that arriving after the exam has actually begun is very disruptive to your classmates (and to the mechanics of a lab practical exam). Be polite and considerate to your classmates and arrive on time.

For those who arrive after the exam has begun: It is the student responsibility to allow plenty time to arrive to the school to take exams, in case some awkward event happens, i.e., traffic jams, car accidents, etc. Therefore, neither one of these vents will justify a student arriving late to an exam. For those who still arrive late to an exam, the following penalties will apply:

1) No one will be allowed to take the practical lab exam, once the lab door is closed and the practical lab exam has begun (please, do not knock the lab door as this is disruptive to the flow of the practical lab exam).

2) The student that arrives after the door has been closed and the practical lab exam has begun will get a zero (0) on the particular practical lab exam. There will be no makeup practical lab exam (No Exceptions)

- l. Graded practical lab exams will not be reviewed in class. Practical lab exams will be kept on file in the instructor's office and will be available for review for 1 week (if student wants to review after this period of time, contact professor within this week to make appointment), starting the next day after the exam grades are posted in eLearning. The student is responsible for scheduling time to review. All issues regarding exam questions and grades must be resolved within this week. After this week, grades will be considered final.

Practice/Reinforcement Activities (NOT FOR CREDIT)

i. **Additional Lecture Activities:**

- There will be no points awarded in these lecture activities. These lecture activities are tools to practice and/or reinforce concepts presented in class. These lecture activities are optional; however, concepts reviewed in these lecture activities may be used to create questions for exams/quizzes/homework (see clause #1e above).
- Lecture activities will consist on activities found in the **Study Area** of Mastering: PhysioEx 9.1, Interactive Physiology (IP), A&P Flix, or Clinical Case Studies.

ii. **Additional Lab Activities:**

- There will be no points awarded in these lab activities. These lab activities are tools to practice and/or reinforce concepts presented in the lab. These activities are optional; however, concepts reviewed in these lab activities may be used to create questions for lab practical exams (see clause #4g above).
- Lab activities will consist on activities found in the **Study Area** of Mastering: Histology Atlas and PAL 3.0.

NOTE 3.- You will need a UTD photo ID (UTD Comet Card) to get into both lecture and lab exams. If you do not have an UTD photo ID presently, please make arrangements to get one before the first exam (photo ID on Driver Licenses/Cards/Badges are not considered substitute of UTD photo ID – we need your UTD number next to your photo in the same document, not just your photo). No exam or grade will be given to students without UTD photo ID (no exceptions). We are aware of the expense to attend college, but having an UTD Comet Card is a requirement set by the university for all UTD students.

NOTE 4.- The professor has the right to change the syllabus at any point during the semester.

In keeping with the spirit of the Privacy Act, grades and/or grade information will not be given to anyone other than the student and will not be discussed over the phone or emails.

UT Dallas Syllabus Policies and Procedures:

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

LECTURE SCHEDULE:

WEEK	DAY	TOPIC	REQUIRED READING	ASSIGNMENTS
1	5/21	An Introduction to Anatomy & Physiology The Integumentary System	Chapter 1 Chapter 5	Qz Chp 01 & HW Chp 01
2	5/28	***MEMORIAL DAY***	No Class	
3	6/04	The Integumentary System Osseous Tissue & Bone Structure	Chapter 5 Chapter 6	Qz Chp 05 & HW Chp 05 Case Chp 06 Qz Chp 06 & HW Chp 06
4	6/11	Exam I Muscle Tissue	Chps 1, 5, & 6 Chapter 10 (10-1 to 10-8)	
5	6/18	Muscle Tissue The Muscular System	Chapter 10 (10-1 to 10-8) Chapter 11 (11-1 to 11-4)	PhysioEx 9.1, Exercise 2 Qz Chp 10/11 & HW Chp 10/11
6	6/25	Neural Tissue The Brain	Chapter 12 Chapter 14	PhysioEx 9.1, Exercise 3 IP: NS I and II Qz Chp 12 & HW Chp 12
7	7/02	The Brain & Cranial Nerves	Chapter 14	Qz Chp 14 & HW Chp 14 Case Chp 14
8	7/09	Exam II Spinal Cord, Spinal Nerves, & Spinal Reflexes	Chps 10/11, 12 & 14 Chapter 13	Case Chp 13 Qz Chp 13 & HW Chp 13
9	7/16	Sensory Pathways & SNS The Special Senses – Anatomy	Chapter 15 Chapter 17	HW Chp 15
10	7/23	The Special Senses –Physiology	Chapter 17	Qz Chp 17 & HW Chp 17
	7/30	Autonomic Nervous System	Chapter 16	Qz Chp 16 & HW Chp 16
11	8/02* 8/03*	Exam III	Chps 13, 15, 16 & 17	

* Registrar's Office has determined to be on this date/time/room number.

NOTE 5.- These descriptions and timelines in lecture schedule are subject to change at the discretion of the Professor.

****THURSDAY, 7/05 LAST DAY TO WITHDRAW****

LAB SCHEDULE:

DATES		TOPIC	REQUIRED READING
<i>Mon</i>	<i>Wed</i>		
5/21	5/23	Language of Anatomy, Organ Systems & Histology (Epithelial Tissue)	Ex. 1-2, 6
6/04	5/30	Histology (Connective Tissue, Muscle Tissue, & Nervous Tissue), Integumentary System & Membranes	Ex. 6 & 7 Qz Chp 4 Histology from lab manual
6/11	6/06	Overview of Skeleton, Axial Skeleton	Ex. 8 & 9
6/18	6/13	Appendicular Skeleton, Articulation & Body Movements	Ex. 10 & 11
6/25	6/20	Practical Lab Exam I	Ex. 1-2, 6-11
7/02	6/27	Skeletal Muscle Fiber & Axial Muscles	Ex. 12 & 13
7/09	7/11	Appendicular Muscles	Ex. 13
7/16	7/18	Nervous System Brain & Cranial Nerves, Spinal Cord, Spinal Nerves	Ex. 15 Ex. 17 & 19
7/23	7/25	ANS & Reflexes General & Special Senses	Ex. 20 & 21 Ex. 22-26
7/30	8/01	Practical Lab Exam II	Ex. 12-13, 15, 17, 19-26

Monday column is for section 1U3; Wednesday column is for sections 1U1 & 1U2.

****THURSDAY, 7/05 LAST DAY TO WITHDRAW****

NOTE 6.- These descriptions and timelines in lab schedule are subject to change at the discretion of the Professor.

NOTE 7.- Lab Policies and Procedures: No eating or drinking of any kind is allowed in the lab. An instructor has the right to ask a student that brings food or drinks to leave the lab (regardless the student is consuming them or not).

Lab Examinations:

Practical I – 6/25 & 6/20 at SLC 2.206 (Exercises 1 – 2, 6 – 11)

Practical II – 7/30 & 8/01 at SLC 2.206 (Exercises 12 – 13, 15, 17, 19 – 26)

LECTURE QUIZZES IN eLEARNING				LECTURE HOMEWORK IN MASTERING			
#	Chapter	Posted Period	Expiration	#	Chapter	Posted Period	Expiration
1	01	05/21, 7:00pm – 05/25, 11:59pm	05/25, 11:59:00pm	1	01	05/21, 7:00pm – 05/25, 11:59pm	05/25, 11:59:00pm
2	04*	06/04, 7:00pm – 06/08, 11:59pm	06/08, 11:59:00pm	2	05	06/04, 7:00pm – 06/08, 11:59pm	06/08, 11:59:00pm
3	05	06/04, 7:00pm – 06/08, 11:59pm	06/08, 11:59:00pm	3	06	06/04, 7:00pm – 06/08, 11:59pm	06/08, 11:59:00pm
4	06	06/04, 7:00pm – 06/08, 11:59pm	06/08, 11:59:00pm	4	10/11	06/18, 7:00pm – 06/22, 11:59pm	06/22, 11:59:00pm
5	10/11	06/18, 7:00pm – 06/22, 11:59pm	06/22, 11:59:00pm	5	12	06/25, 7:00pm – 06/29, 11:59pm	06/29, 11:59:00pm
6	12	06/25, 7:00pm – 06/29, 11:59pm	06/29, 11:59:00pm	6	14	07/02, 7:00pm – 07/06, 11:59pm	07/06, 11:59:00pm
7	14	07/02, 7:00pm – 07/06, 11:59pm	07/06, 11:59:00pm	7	13	07/16, 7:00pm – 07/20, 11:59pm	07/20, 11:59:00pm
8	13	07/16, 7:00pm – 07/20, 11:59pm	07/20, 11:59:00pm	8	15	07/16, 7:00pm – 07/20, 11:59pm	07/20, 11:59:00pm
9	17	07/30, 7:00pm – 08/03, 11:59pm	08/03, 11:59:00pm	9	17	07/30, 7:00pm – 08/03, 11:59pm	08/03, 11:59:00pm
10	16	07/30, 7:00pm – 08/03, 11:59pm	08/03, 11:59:00pm	10	16	07/30, 7:00pm – 08/03, 11:59pm	08/03, 11:59:00pm

* Quiz #2 for Chapter 4 is a quiz about histology and it is found in Lab Schedule, page 12 above.

NOTE 8.- The professor has the right to change these dates/times of these activities at any point during the semester. If any major changes are made, I will update promptly in Announcements in eLearning.

ALL expiration dates are hard deadlines and WILL NOT be extended. It is the student's responsibility to keep track of the due dates and times for all these assignments, i.e., quizzes and homework.

POST-LAB QUIZZES IN eLEARNING			
#	Experiments	Posted Period	Expiration
1	1 & 2	05/24, 7:00pm – 05/27, 11:59pm	05/27, 11:59:00pm
2	6	06/07, 7:00pm – 06/10, 11:59pm	06/10, 11:59:00pm
3	6 & 7	06/07, 7:00pm – 06/10, 11:59pm	06/10, 11:59:00pm
4	8 & 9	06/14, 7:00pm – 06/17, 11:59pm	06/17, 11:59:00pm
5	10	06/21, 7:00pm – 06/24, 11:59pm	06/24, 11:59:00pm
6	10 & 11	06/21, 7:00pm – 06/24, 11:59pm	06/24, 11:59:00pm
7	12 & 13	07/12, 7:00pm – 07/15, 11:59pm	07/15, 11:59:00pm
8	15 & 17	07/19, 7:00pm – 07/22, 11:59pm	07/22, 11:59:00pm
9	17 & 19	07/19, 7:00pm – 07/22, 11:59pm	07/22, 11:59:00pm
10	20-24	07/26, 7:00pm – 07/29, 11:59pm	07/29, 11:59:00pm
11	25 & 26	07/26, 7:00pm – 07/29, 11:59pm	07/29, 11:59:00pm

NOTE 9.- The lab professor has the right to change these dates/times/covered experiments of these quizzes at any point during the semester. If any major changes are made, we will update promptly in Announcements in eLearning.

ALL expiration dates are hard deadlines and will not be extended. It is the student's responsibility to keep track of the due dates and times for all these assignments, i.e., quizzes and homework.

BIOL3455 Lecture Exams for Section 0U1

Exams	Day	Date	Time	Room
Lecture Exam I	Monday	06/11/18	11:30am - 1:00pm	JSOM 2.115
Lecture Exam II	Monday	07/09/18	11:30am - 1:00pm	JSOM 2.115
Lecture Exam III	Thursday	08/02/18	TBA	TBA
	Friday	08/03/18	TBA	TBA

NOTE 10.- The time to complete an exam is 1 hour and 15 minutes. However, I usually take the first 10-15 minutes to shuffle students and distribute exams. Therefore, exams roughly last 1 hour and 30 minutes total. In addition, I will lecture after exams I and II.

BIOL3455 Practical Lab Exams

Exams	Day	Date	Time	Lab Section	Room
Practical Lab Exam I	Monday	06/25/18	4:00pm - 7:15pm	1U3	SLC 2.206
	Wednesday	06/20/18	11:30am - 2:45pm	1U2	
			4:00pm - 7:15pm	1U1	
Practical Lab Exam II	Monday	07/30/18	4:00pm - 7:15pm	1U3	SLC 2.206
	Wednesday	08/01/18	11:30am - 2:45pm	1U2	
			4:00pm - 7:15pm	1U1	

* NOTE 11.- The **actual start time** for Practical Lab Exams will be determined and announced by your Lab Professor.

NOTE 12.- The professor has the right to change these dates/times of these activities at any point during the semester. If any major changes are made, I will update promptly in Announcements in eLearning.