

ANATOMY & PHYSIOLOGY I

BIOL3455.0U1

M; 11:30 AM - 2:45 PM

GR 3.420

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

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Office Hours Monday & Wednesday, 10:00am - 11:00am

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, or 1U3.

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

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

- Fundamental of Anatomy & Physiology**
 - Authors: Frederic H. Martini, Ph.D., Judi L. Nath, Ph.D. & Edwin F. Bartholomew, M.S.
 - 10th edition,
 - A La Carte (3 hole punch)
 - Plus **Modified** Mastering A&P VP Fundamentals with eText
 - VP ISBN-10: 013397426X
VP ISBN-13: 9780133974263
- Response Card RF LCD**
 - By Turning Technologies
 - ISBN: 9781934931400

- Human Anatomy & Physiology Laboratory Manual**
 - Authors: Elaine N. Marieb, R.N., Ph.D., Susan J. Mitchell, Ph.D., & Lori A. Smith, Ph.D.
 - 10th edition
 - Main version
 - Plus **Modified** Mastering A&P with eText and PhysioEX 9.1.
 - ISBN-10: 0133983811
ISBN-13: 9780133983814

Two copies of the lecture textbook (Martini's) are on reserve in the Library. Request these reserved books in Circulation Desk by referring to call numbers #13494 and #13495. They are set for 2-hour check out.

Two copies of the lab manual (Marieb's) are on reserve in the Library. Request these reserved books in Circulation Desk by referring to call numbers #13496 and #13497. They are set for 2-hour check out.

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 of these systems as outlined in a model-based laboratory setting.

Student Learning Outcomes:

1. Understand and be conversant with the anatomy of the human body that includes histology, skeletal system, skeletal muscle, and neuroanatomy;
2. Understand and be conversant with the physiology of the human body that includes histology, skeletal system, skeletal muscle and neurophysiology;
3. Be familiar with the operation of these human organ systems and their interactions within the body;
4. Be familiar with the concepts of integration of operation of these human organ systems within the body.

Grading Policy:

1. Grades for lecture will be calculated as follows:

a. Lecture Exams (3)	60%	}	= Final Overall Grade
b. Lecture Quizzes	5%		
c. Lecture Homework	5%		
d. Lab Practical Exams (2)	30%		

2. 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

3. Final grade will be rounded to the nearest integer, e.g., a final grade of 87.5 will round up to 88.00, thus letter grade "A-"; while a final grade of 87.49 will round down to 87.00, 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**).
4. Grades are determined based only on performance. Grades are not based on need, effort, or attendance.
5. I do not curve grades (do not ask, beg, cry or plead).

Lecture Examinations:

Exam I - M, 6/22 at **GR 3.420** (Chapters 1, 5, 6 & 10/11)

Exam II - M, 7/13 at **GR 3.420** (Chapters 12 & 14)

Exam III – Specific date is pending (but, it will be either F, 8/7, or S, 8/8) at **GR 3.420** (Chapters 13, 15, 16 & 17)

Makeup Exam due to bad weather, or other unexpected event - Pending date/room

Course Policy:

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

1. **Lecture Exams,**
2. **Lecture Quizzes,**
3. **Lecture Homework,**
4. **Lab Practical Exams, and**
5. **In-Class Participation**

1. **Lecture Exams:**

- a. Three (3) lecture exams will be given during the semester. There will be no final exam.
- b. The average of three lecture exams will count 60% of final overall grade (thus, each lecture exam is 20% of final overall grade). No lecture exam will be dropped.
- c. 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.
- d. Bonus points (maximum 6 points) will be made available during all lecture exams. No bonus/extra points will be awarded to the final overall grade.
- e. Everything in the textbook is fair game for lecture exams/quizzes/homework, regardless of whether or not it is presented in class. You are responsible to use all of the information contained throughout the entire chapters and additional sources (see below) to prepare for exams/quizzes (regardless of whether or not material from the chapters 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 source.
- 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** are usually not given - if there are circumstances that warrant a makeup exam 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 #1c above.**

- i. The only Legitimate Reasons to makeup 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 and prior to the date of the regular exam before a makeup exam is granted – **no exceptions**.

NOTE.- 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., consider dropping the course from the summer semester. This includes cases in which the tickets are purchased for you by someone else. Please, do not ask for "other" ways.**

- j. **Late to Exam:** Exams are scheduled to begin at the same time as lecture (11:30am). However, I usually take around 15 minutes to give a speech about different issues regarding the exam and to shuffle around the students in the room. So, no one has to arrive after I have done all of the above. Yet, someone might still arrive late. Keep in mind that arriving after the exam has actually 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:

1) if one (1) student finishes the exam 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). It is the students' 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.

2) if a student arrives after the exam has begun (and assuming no one has finished the exam and turned it in), then the student will be given whatever amount of time is left to finish the exam (i.e., initially 1 hour and 15 minutes are allowed to finish the exam, but if a 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).

- k. 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 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.

2. Lecture Quizzes:

- a. Quizzes will be taken in [eLearning](#).
- b. There will be a **maximum** of 10 quizzes posted in [eLearning](#).
- c. Read the instructions prior to taking the quiz.
- d. You will have 1 week (168 hours) to take the quiz (due date/time will be shown in [eLearning](#)). **Quiz schedule, period to take the quiz, and the expiration date (quizzes will disappear from [eLearning](#) after the expiration date) are found at the end of this syllabus.** Thus, do not procrastinate, because there will be no makeup quizzes for missing quizzes (**absolutely no exceptions**). A missed quiz will receive a zero (0).
- e. So, quizzes will be posted for a week, but only **two attempts** to take quizzes will be allowed (you will get the highest score out of the two attempts).
- f. Quizzes are timed. The time to finish the quiz will depend on the number of questions.
- g. The **lowest two (2) quizzes** will be **dropped**.

h. The average of all quizzes minus the lowest two scores will count 5% 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](#) followed by enrolling into the course, 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.
- c. Homework will be comprised of activities and reading questions from textbook or activities found in the **Study Area** of [Mastering](#): PhysioEx 9.1, Interactive Physiology, A&P Flix, or Clinical Case Studies.
- d. Read the instructions prior to taking homework.
- 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:

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 1 week (168 hours) to complete each homework (due date/time will be shown in [Mastering](#) and at the end of this syllabus). **Homework schedule, periods to take the homework, and the expiration dates (homework will disappear from [Mastering](#) after the expiration date) are found at the end of this syllabus.** Thus, do not procrastinate, because there will be no makeup homework assignment for missing homework (**absolutely no exceptions**). A missed homework will receive a zero (0). Late submission will not be accepted (regardless of the reason). No extension will be granted either, regardless of the reasons.
- g. Only **one attempt** to take homework will be allowed. Since you have one week to complete the homework assignment, then you don't need to finish in one sit. You can save and continue on 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**.
- i. The average of homework minus the lowest score will count 5% of your lecture grade.

4. **Lab Practical Exams:**

- a. Two (2) practical lab exams will be given during the semester.
- b. The test classroom and times for all two **lab practical exams** will be **SLC 2.206**.
- c. **Open lab sessions** will be announced prior to the lab practical exam week. Typically, we have open lab sessions on the Sunday before the practical exam week. The exact dates and times will be announced in [eLearning](#). Open labs are for review and a self-studying activity (no lecture will be given by professors or TAs). Although, we can answer questions.
- d. The average of all two lab practical exams will count 30% of final overall grade (thus, each lab practical exam is 15% of final overall grade). No lab practical exam will be dropped.
- e. The structure of the lab practical exams will be fill-in-the-blank and short-answer questions (no essay questions). So, you will not need a Scantron for lab practical exams. An answer sheet will be provided.
- f. There will be between 60-100 questions distributed in 32 stations (2-4 questions per station).
- g. During the practical exam, one (1) minute will be allowed per station (not per question), and ten (10) additional minutes will be allowed at the end of the practical for you to go back and double check your answers. During these 10 minute period, there are a few rules:
 - Needless to say, no talking will be allowed during these 10 minutes
 - Only one student per station will be permitted
 - Other students need to see the station too. So, do not stay too long in one station.
- h. Bonus points (maximum 5 points) will be made available during all lab practical exams. No bonus/extra points will be awarded to the final overall grade.
- i. 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 activities of Mastering A&P, such as Histology Atlas and PAL 3.0, will also be fair game for practical lab exams.
- j. 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.
- k. **No one will be allowed to take practical exams in a lab section in which the student is not enrolled (regardless of the reason) without prior authorization by me. Granting permission to take the practical lab exam in a different section will depend on whether or not there is space in the lab room for this student. If lab section is full, no student will be authorized to take the practical exam and overload this lab section.**
- l. Do not miss Lab practical exams! (If exams are missed you must be able to verify your reason for missing the lab practical exam).

- m. **Makeup lab practical exams** are usually not given. If there are circumstances that warrant a makeup practical exam, the instructor will determine the criteria for such an exam at the appropriate date/time.
- n. The only Legitimate Reasons to make up missed lab practical exams are as follows: death of an immediate family member, bona fide medical emergencies, and military orders. Proper documentation must be presented in writing and prior to the date of the regular lab practical exam before a makeup practical exam is granted – **no exceptions**.

NOTE.- Makeup lab practical 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., consider dropping the course from the spring semester. This includes cases in which the tickets are purchased for you by someone else. Please, do not ask for "other" ways.**

- o. **Late to Lab Practical 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 exam, to explain students about the mechanics of the practical exam, to position the students 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 lab practical 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 thoughtful to your classmates and arrive on time.

For those who arrive after the exam has begun: No one will be allowed to take the lab practical exam, once the lab door is closed and the lab practical exam has begun (please, do not knock the lab door as this is disruptive to your classmates and to the flow of the practical exam). The student will get a zero (0) on the particular lab practical exam. There will be no makeup lab practical exam. It is the students' 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.

- p. Graded lab practical exams will not be reviewed in class. Lab practical 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.

5. In-Class Participation:

- a. There will be in-class activities to evaluate class participation during lecture (this is not to document attendance).
- b. These in-class activities will consist of questions that may cover material presented in any of the following: PhysioEx 9.1 exercises, Interactive Physiology activities, A&P Flix animations, Clinical Case Studies (all of these three are found in the **Study Area** of [MasteringAandP.com](#)) and including textbook/PowerPoint class notes/additional information presented in class.
- c. You will need **clickers** to answer the questions in lecture. **Each question answered correctly will be worth a total of 1.0 point: you will earn the first 0.5 points/question just by answering the questions; and you will earn the second 0.5 points/question by answering correctly the questions.** Students who don't answer the questions, or whose clicker fails to communicate with my clicker receiver will get zero (0) points. So, it is the students' responsibility to make sure you have the correct clicker type and version, a clicker that works, to have fresh batteries, and to understand how the clicker device works.

- d. A maximum of 5.0 points total per exam will be awarded from these questions. Points earned from these in-class activities will be awarded to the corresponding lecture exam (not to the final overall grade).
- e. These are in-class activities, thus students that are absent (**regardless of the reasons**) will receive no credit. There will be no make ups for these in-class activities (**no exceptions**).

6. **Practice/Reinforcement Activities**

a. **Additional Lecture Activities:**

- i. 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 #1g above).
- ii. 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.

b. **Additional Lab Activities:**

- i. 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).
- ii. Lab activities will consist on activities found in the **Study Area** of Mastering: Histology Atlas and PAL 3.0.

7. **You will need a UTD photo ID 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 ID is a requirement set by the university for all UTD students.**

- 8. 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	6/1	An Introduction to Anatomy & Physiology The Integumentary System	Chapter 1 Chapter 5	Qz & HW Chp 01
2	6/8	The Integumentary System Osseous Tissue & Bone Structure	Chapter 5 Chapter 6	Qz & HW Chp 05 Case Chp 06 Qz & HW Chp 06
3	6/15	Muscle Tissue The Muscular System	Chapter 10 Chapter 11 (sections 11-1 to 11-4)	PhysioEx 9.1, Exercise 2 Qz & HW Chp 10/11
4	6/22	Exam I Neural Tissue	Chps 1, 5, 6 & 10/11 Chapter 12	
5	6/29	Neural Tissue	Chapter 12	PhysioEx 9.1, Exercise 3 IP: NS I and II Qz & HW Chp 12
6	7/6	The Brain	Chapter 14	Qz & HW Chp 14 Case Chp 14
7	7/13	Exam II The Spinal Cord, Spinal Nerves, & Spinal Reflexes	Chps 12 & 14 Chapter 13`	Case Chp 13 Qz & HW Chp 13
8	7/20	Sensory Pathways & The Somatic Nervous System Autonomic Nervous System & Higher-Order Functions	Chapter 15 Chapter 16	Hw Chp 15 Qz & HW Chp 16
9	7/27	The Special Senses	Chapter 17	
10	8/3	The Special Senses	Chapter 17	Qz & HW Chp 17 (Optional) Due on 8/6
	8/7 or 8/8*	Exam III	Chps 13, 15, 16 & 17	

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

7/13 LAST DAY TO WITHDRAW

* Pending until the Office of Registrar decides the date/time/classroom for our last exam.

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

Lab Schedule:

DATES		TOPIC	REQUIRED READING
<i>Mon</i>	<i>Wed</i>		
6/1	6/3	Language of Anatomy, Organ Systems, Microscope, The Cell, Cell Transport, & Histology (Epithelial Tissue)	Ex. 1-6
6/8	6/10	Histology (Connective Tissue, Muscle Tissue, & Nervous Tissue), Skin & Membranes	Ex. 6 & 7 Qz Chp 4 from lecture textbook & lab manual
6/15	6/17	Overview of Skeleton, Axial Skeleton	Ex. 8 & 9
6/22	6/24	Appendicular Skeleton, Articulation & Body Movements	Ex. 10 & 11
6/29	7/1	Lab Practical I	Ex. 1-11
7/6	7/8	Axial Muscles	Ex. 12 & 13
7/13	7/15	Appendicular Muscles	Ex. 13
7/20	7/22	Nervous System Brain & Cranial Nerves, Spinal Cord, Spinal Nerves	Ex. 15 Ex. 17 & 19
7/27	7/29	ANS & Reflexes General & Special Senses	Ex. 20 & 21 Ex. 22-26
8/3	8/5	Lab Practical II	Ex. 12-13, 15, 17, 19-26

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

**** Last day to withdraw is 7/13**

NOTE: The professor has the right to change the lab schedule at any point during the semester.

Lab Examinations:

Practical I – 6/29 & 7/1 at SLC 2.206 (Exercises 1 - 11)

Practical II – 8/3 & 8/5 at SLC 2.206 (Exercises 12-13, 15, 17, 19-26)

QUIZZES IN eLEARNING				HOMEWORK ASSIGNMENTS IN MASTERING			
#	Chapter	Posted Period	Expiration	#	Chapter	Posted Period	Expiration
1	01	06/01, 7:00pm – 06/08, 11:59pm	06/08, 11:59:00pm	1	01	06/02, 7:00pm – 06/09, 11:59pm	06/09, 11:59:00pm
2	04	06/10, 7:00pm – 06/17, 11:59pm	06/17, 11:59:00pm	2	05	06/09, 7:00pm – 06/16, 11:59pm	06/16, 11:59:00pm
3	05	06/08, 7:00pm – 06/15, 11:59pm	06/15, 11:59:00pm	3	06	06/09, 7:00pm – 06/16, 11:59pm	06/16, 11:59:00pm
4	06	06/08, 7:00pm – 06/15, 11:59pm	06/15, 11:59:00pm	4	10/11	06/16, 7:00pm – 06/23, 11:59pm	06/23, 11:59:00pm
5	10/11	06/15, 7:00pm – 06/22, 11:59pm	06/22, 11:59:00pm	5	12	06/30, 7:00pm – 07/07, 11:59pm	07/07, 11:59:00pm
6	12	06/29, 7:00pm – 07/06, 11:59pm	07/06, 11:59:00pm	6	14	07/07, 7:00pm – 07/14, 11:59pm	07/14, 11:59:00pm
7	14	07/06, 7:00pm – 07/13, 11:59pm	07/13, 11:59:00pm	7	13	07/14, 7:00pm – 07/21, 11:59pm	07/21, 11:59:00pm
8	13	07/13, 7:00pm – 07/20, 11:59pm	07/20, 11:59:00pm	8	15	07/21, 7:00pm – 07/28, 11:59pm	07/28, 11:59:00pm
9	16	07/20, 7:00pm – 07/27, 11:59pm	07/27, 11:59:00pm	9	16	07/21, 7:00pm – 07/28, 11:59pm	07/28, 11:59:00pm
10	17*	08/03, 7:00pm – 08/06, 11:59pm	08/06, 11:59:00pm	10	17*	08/04, 7:00pm – 08/06, 11:59pm	08/06, 11:59:00pm

* Quiz and Homework assignments for Chapter 17 are optional. If you decide to take them, you will have only 3 days for quiz chapter 17 and only 2 days for homework chapter 17.

NOTE: The professor has the right to change these dates/times 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.

Open Lab Sessions for BIOL3455 (Anatomy & Physiology I Lab)

	Day	Date	Time	Room
Open Lab Session for Practical Exam I	Sunday	06/28/15	10:00am - 12:00pm	SLC 2.206
	Sunday	06/28/15	1:00pm - 3:00pm	SLC 2.206
Open Lab Session for Practical Exam II	Sunday	08/02/15	10:00am - 12:00pm	SLC 2.206
	Sunday	08/02/15	1:00pm - 3:00pm	SLC 2.206

Lab Practical Exams for BIOL3455 (Anatomy & Physiology I Lab)

	Day	Date	Section; Time	Room
Lab Practical Exam I	Monday	06/29/15	1U3; 4:00pm - 7:15pm	SLC 2.206
	Wednesday	07/01/15	1U2; 11:30am - 2:45pm	
			1U1; 4:00pm - 7:15pm	
Lab Practical Exam II	Monday	08/03/15	1U3; 4:00pm - 7:15pm	SLC 2.206
	Wednesday	08/05/15	1U2; 11:30am - 2:45pm	
			1U1; 4:00pm - 7:15pm	

Lecture Exams for BIOL3455 (Anatomy & Physiology I Lecture)

	Day	Date	Time	Room
Lecture Exam I	Monday	06/22/15	11:30am - 2:45pm	GR 3.420
Lecture Exam II	Monday	07/13/15	11:30am - 2:45pm	GR 3.420
Lecture Exam III	Friday or	8/7/2015 or	Unknown	Unknown
	Saturday	08/08/15		