

## *Course Syllabus*

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### **Course Information**

*Course Number/Section*

**Biology 3456-0U1 & -3U1**

*Course Title*

Human Anatomy and Physiology with Lab II

*Term*

Summer 2024

*Days & Times*

Lecture: Biol 3456-0U1; Tue, 10:00 am - 1:45 pm, HH 2.502

Labs: Biol 3456-3U1; Thur, 10:00 am - 2:30 pm, ML2 1.202

### **Professor Contact Information**

*Professor*

Wen H. Yu, Ph. D.

*Office Phone*

972-883-4606

*Other Phone*

*Email Address*

wen.yu@utdallas.edu

*Office Location*

FN 3.114

*Office Hours*

By appointment only

### **Pre-requisites, Co-requisites, and/or Other Restrictions**

Anatomy and Physiology I (Biol 3455) is the prerequisite for the class.

### **Course Description**

BIOL 3456, Human Anatomy and Physiology II, is the second half of a two-part Anatomy and Physiology series designed as a comprehensive examination of the basic principles of human physiology in the context of a detailed examination of human anatomy. The study of this course includes the structure-function relationship in all organ systems. Major emphasis will be placed on the anatomy of these systems as outlined in a model-based laboratory setting.

### **Student Learning Objectives/Outcomes**

1. Students will be able to classify the basic anatomy of human organ systems.
2. Students will be able to explain the functions of human organ systems.
3. Students will be able to evaluate structure/function relationships of organ systems and explain how they integrate into the total organism.

### **Required Textbooks and Materials**

*Required Text*

Fundamentals of Anatomy and Physiology. Frederic H., Martini, F. H., Nath, J. L. & Bartholomew E. F. 11<sup>th</sup> Edition, Pearson, 2017. ISBN: 10-013477521X.

*Recommended Text*

Human Anatomy & Physiology Laboratory Manual, Main version, Marieb, E. N., Mitchell, S.J. & Smith, L.A., 11th Edition, Pearson, 2016. ISBN:10-0134156749.

## Assignments & Academic Calendar

(See attached Schedule for lecture topics, reading chapters and exam dates in the end of this syllabus.)

## Grading Policy

Lecture Exam 1:	100 points
Lecture Exam 2:	100 points
Lecture Final Exam:	120 points
Lab practical 1:	100 points
Lab practical 2:	100 points
Lab assignments:	90 points
Quizzes:	30 points

Total points = 640 points

Course letter Grades will be assigned according to the following schedule:

A+: > 615 (> 96 %)	A: 614-576 (95.9-90 %)	A-: 575-554 (90-86.6 %)
B+: 553-533(86.5-83.3 %)	B: 532-512 (83.2-80 %)	B-: 511-490 (80-76.6 %)
C+: 489-469(76.5-73.3 %)	C: 468-448 (73.2-70 %)	C-: 447-426 (70-66.6%)
D+: 425-405(66.5-63.3 %)	D: 404-384 (63.2-60 %)	D-: 383-362 (60-56.6 %)
F: < 362		

## Course Policies

### *Make-up exams*

**1. Make-up lecture exams are not routinely given.** Only under extenuating circumstances and **upon prior discussion with the instructor** will a make-up test be considered. The questions in the make-up exam will be completely different from the regular exam. **It will be all essay questions.**

**2. Make-up lab practical exams are never given.**

**3. We have 9 labs and 9 lab assignments in this semester. Each lab assignment will account for a grade of 10 points. Every incorrect answer will be taken away 0.2 points. Missing an assignment will get a zero point for that assignment.**

**4. Five or six quizzes will be given in the lecture hours. Make-up quizzes are not given except sickness and prior notice with the instructor.**

### Other notices:

1. All exams will be in-person. Each lecture exam will have 60-80 questions which could be multiple choice, matching, fill the blanks or short-answer questions.
2. The test time for lecture exam is 90 minutes.
3. Lab practical exams will have about 60-70 questions. The test time is about 50 minutes. All lab practical exams start on Thursday, 12:00 pm.

4. If you are approved by the Office of AccessAbility Resource Center (ARC) for a longer testing time, please scan the approved letter and send to Dr. Yu as soon as possible.

## Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the [Getting Started with eLearning](#) webpage.

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### Class Recordings

Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the AccessAbility Resource Center (ARC) has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved AccessAbility Resource Center (ARC) accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

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### Class Materials

The Instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those who are not in class, or uploaded to other online environments except to implement an approved AccessAbility Resource Center (ARC) accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

## Course Access and Navigation

This course can be accessed using your UT Dallas NetID account on the [eLearning](#) website.

Please see the course access and navigation section of the [Getting Started with eLearning](#) webpage for more information.

To become familiar with the eLearning tool, please see the [Student eLearning Tutorials](#) webpage.

UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The [eLearning Support Center](#) includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

## **Communication**

This course utilizes online tools for interaction and communication. Some external communication tools such as regular email and a web conferencing tool may also be used during the semester. For more details, please visit the [Student eLearning Tutorials](#) webpage for video demonstrations on eLearning tools.

Student emails and discussion board messages will be answered within 3 working days under normal circumstances.

## **Server Unavailability or Other Technical Difficulties**

The University is committed to providing a reliable learning management system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the online [eLearning Help Desk](#). The instructor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

## **Comet Creed**

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

*“As a Comet, I pledge honesty, integrity, and service in all that I do.”*

## **Academic Support Resources**

The information contained in the following link lists the University’s academic support resources for all students.

Please go to [Academic Support Resources](#) webpage for these policies.

## **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 [UT Dallas Syllabus Policies](#) webpage for these policies.

***The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professors.***

Attachment:

**Lecture & Lab Schedules**  
**Biology 3456**  
**Summer 2024**

**Lectures (Tue, 10:00 am - 1:45 pm)**

**Lab (Th, 10:00am - 2:30 pm )**

<b><u>Date</u></b>	<b><u>Topics</u></b>	<b><u>Chapters</u></b>	<b><u>Topic</u></b>	<b><u>dates</u></b>
5/27 (Monday)	Memorial Day			
5/28 (T)	Endocrine	18	Lab-1, Ch.18	5/30
6/04 (T)	Blood	19	Lab-2, Ch.19	6/06
6/11 (T)	Heart	20	Lab-3, Ch.20	6/13
<b>6/18 (T), 11am-12:30 pm</b>	<b>Exam #1</b>	<b>(Ch. 18, 19, 20)</b>		
6/18 (T)	Circulation	21	Lab-4, Ch.21	6/20
6/25 (T)	Lymphatic	21, 22		
	<b>6/27 (Th), 12:00 pm</b>		<b><u>Practical #1 (Ch. 18, 19, 20, 21)</u></b>	
7/02 (T)	Respiration	23		
	<b>7/04 (Thur) (Independence Day)</b>		<b>(no Lab)</b>	
7/09 (T)	Digestion	24	Lab-5 & 6 (Ch. 22, 23)	7/11
<b>7/16, 11 am-12:30 pm</b>	<b>Exam #2</b>	<b>(Ch. 21 ,22, 23)</b>		
7/16 (T)	Urinary	26	Lab-7, Ch. 24	7/18
7/23 (T)	Reproduction	26, 28	Lab-8, Ch. 26	7/25
7/30 (T)	Reproduction	28	Lab-9, Ch. 28	8/01
<b>8/06 (T) 11:00 am-1:00 pm</b>	<b>Final Exam</b>	<b>(Ch. 24, 26, 28)</b>		
	<b>8/08 (Th), 12:00 pm</b>		<b><u>Practical #2 (Ch. 22, 23, 24, 26, 28)</u></b>	

- (ps.): 1. The last day to withdraw a course is: 7/11/2024.  
2. Practical #1 and #2 are held on Thursday at 12:00 pm.