

# BIOL 2312

## Introduction to Modern Biology II

Spring 2020

Section 001 TR 8:30-9:45am SLC 1.102

Section 002 TR 2:30-3:45pm ECSW 1.315

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Office Hours: virtual (see below)

## COURSE DESCRIPTION

BIOL 2312 is a continuation of the modern biology series. Emphasis is placed on the physiology and anatomy of human and animal organ systems, and their relationship to the overall function of the organism.

## STUDENT LEARNING OUTCOMES

Upon completion of this course the students should be able to do the following:

1. Be able to explain and classify the basic anatomy and physiology of animal organ systems.
2. Analyze, using these systems, the relationship between the structure and function of an animal system.
3. Evaluate structure/function relationships of organ systems and explain how they integrate into the total organism.

## COURSE PRE-REQUISITE, CO-REQUISITE AND/OR OTHER RESTRICTIONS

Co-requisite: Introduction to Modern Biology Workshop: BIOL 2112.

section	days	times	location
001	Monday	08:00 - 08:50	FN 2.102
002	Wednesday	08:00 - 08:50	FN 2.106
003	Monday	13:00 - 13:50	FN 2.202
004	Wednesday	13:00 - 13:50	FO 3.616
005	Friday	13:00 - 13:50	FN 2.104
006	Monday	11:00 - 11:50	CB3 1.306
007	Friday	08:00 - 08:50	FN 2.102
008	Friday	11:00 - 11:50	FO 3.616
009	Wednesday	11:00 - 11:50	CB3 1.306
010	Wednesday	16:00 - 16:50	FN 2.106
011	Monday	16:00 - 16:50	FN 2.106

## SUPPLEMENTAL INSTRUCTION

(SI) is offered for this course. SI sessions are free group study opportunities, scheduled three times per week. Sessions are facilitated by an SI Leader, who has recently taken the course and received a high final grade. Attendance is voluntary. For information about the days, times, and locations for SI sessions, refer to [www.utdallas.edu/studentsuccess/leaders/si.html](http://www.utdallas.edu/studentsuccess/leaders/si.html)

## GETTING REGISTERED

To access your course materials and explore Cengage Unlimited, log in to [elearning.utdallas.edu](http://elearning.utdallas.edu) and navigate to this course. Click on the first homework assignment. When prompted, create or log in with your Cengage account and follow the prompts to complete the registration process.

For step-by-step help getting registered, head to [cengage.com/start-strong](http://cengage.com/start-strong) and check out our training video and instructions.

## TEXTBOOKS AND MATERIALS

### REQUIRED (4 items):

1. Textbook Biology by Russell et al. 4<sup>th</sup> edition, publish by Cengage.

Best cost option: Cengage Unlimited: The materials required for this course and any others using Cengage products are included in ONE Cengage Unlimited subscription. For \$119.99 per semester, you get access to ALL Cengage online textbooks, platforms, study tools and more—in one place. \$7.99 print textbook rentals are also available or purchase a Looseleaf for \$33. Ask for Cengage Unlimited in the bookstore or visit [cengage.com/unlimited](http://cengage.com/unlimited).

2. \*MindTap Biology, 1 term (6 months) Printed Access Card for Russell/Hertz/Mcmillan's Biology: The Dynamic Science ISBN: 9781305881730 (\*this is included in Cengage Unlimited purchase or can be bought separate)

3. Cengage Mobile App <https://www.cengage.com/mobile-app/>

4. Mobile device preferably laptop or tablet style for use in workshop. Phone can work but is not your best option for completing the assignments.

## EXAM DATES

Exam 1 – 2/11-2/14/20, tues – fri

Exam 2 – 3/10-3/13/20, tues – fri

Exam 3 – 4/17/20, fri 9am-3pm

Exam 4 – 5/4/20, mon 9am-3pm

Exam 5 (optional) – 5/8/20, fri 9am-3pm

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

## COURSE POLICIES

### Lectures:

1. Lectures will be ~~75 minutes each~~ provided in 10-15 minute recorded topics and posted in elearning. Listening order will be indicated.
2. Attendance is not mandatory.
3. Slides will be provided in eLearning prior to lecture.
4. Textbook is not required during lecture.
5. Cengage app will used during lecture for assessing student progress and understanding. Please make sure to download the app to your mobile device and be logged in during the lecture. <https://www.cengage.com/mobile-app/>
6. Electronics are allowed if used for note taking purposes, preferably using a writing tool. I reserve the right to request any student to quit using an electronic device during lecture if it is found distracting.

### Workshops:

1. There will be a workshop each week. See last page for schedule.
- ~~2. Attendance will be taken.~~

3. Workshops are for reinforcement of lecture material and increasing critical thinking/analysis.
4. Workshop Assignments (see below) will be assigned during and due as specified by the graduate teaching assistant in the same workshop.
5. You will need a laptop/tablet device for completion of assignments during workshop. Using a phone for submissions is highly discouraged.

### Workshop Assignments:

1. These will be provided and completed electronically in workshop. No exceptions. Any assignment submitted late will not be accepted.
- ~~2. Attendance taken will be used to match to homework submissions. If a homework is submitted and no attendance was recorded for that workshop, the homework will be recorded as a zero. You must be present to receive credit for any workshop assignments.~~
3. These assignments can be discussed collaboratively with other students but must contain unique work.
4. Papers will be graded in elearning. Any question about grading must be directed to the graduate TA and discussed within 7 days of receiving your score. After 7 days, your score is final for that assignment. If you are unable to resolve your question with the graduate TA, you can contact Dr. Wilson via email (please include which workshop you are attending)
5. The questions will be short answer and short essay and are intended to increase retention and show application of the material.
6. Each workshop paper will be worth twenty (20) points.
7. Your final grade will drop the lowest two (2) workshop assignments.

### Homeworks: No changes

1. Homework will be assigned each week and due on Sundays at 11:59pm.
2. Each homework is worth twenty (20) points.
3. You will have three attempts at each of the homework questions. The highest score of the three attempts will record. Full points for the homework will be awarded if you get 85% or better (17 or more points) on the entire homework and submit it by the due date.

4. Homework will be accessed via eLearning and submitted using the Mindtap Cengage program. Look for folder “Homeworks” on left-hand side of course homepage. Due dates will be shown and correlate to this syllabus.
5. The homework is not timed. You may work on it in parts and save it as you go. Estimated time to complete each homework is 30–45 minutes.
6. The lowest two (2) homework scores will be dropped from your final grade.
7. Please make sure to access the homework using elearning and DO NOT log directly into Cengage. This will cause your score to not record properly in elearning.
8. If you incur any technical difficulties, you can contact me via email to resolve the issue. All such requests must be submitted prior to Saturday 11:59pm. **I will not fix any technical issues on the day the homework is due.** In other words, do not wait until the last day to complete the homework. If there is a validated Cengage web outage or UTD internet outage, extension of the due dates will be granted.

**Quizzes:** **No changes**

1. Quizzes will be assigned each week on Thursdays and due on Sundays at 11:59pm. This means you will have two–three days to review that week’s lecture material and take the quiz.
2. Each quiz will be ten (10) questions of multiple choice, fill-in the blank, T/F and mix-and-match styles.
3. Each question is worth 1 point for a total of 10 points per quiz.
4. All quizzes will be given in eLearning. Look for folder “quizzes” on left-hand side of course homepage.
5. Quizzes will cover the material from that week’s lectures.
6. You will have one (1) attempt for each quiz, so be prepared to take it once you start.
7. You will have twelve (12) mins to complete the quiz.
8. There are no makeup quizzes. No exceptions. Any missed quiz will count as a zero (0).
9. Your final grade will drop the lowest two (2) quiz scores.
10. If you incur any technical difficulties, you can contact me to resolve the issue. All such requests must be submitted to me via email and prior to Saturday 11:59pm. **I will not fix any technical issues on the day the quiz is due.** In other words, do not wait until the last

day to take the quiz. If there is a validated Cengage web outage or UTD internet outage, extension of the due dates will be granted.

### Exams: **minor changes**

1. Four (4) exams will be given during the semester.
2. The four (4) exams will be 80 questions and worth 480 points. Each will cover the prior section material only.
3. The structure of all exams will be multiple choice, true/false, fill-in and matching questions.
4. There may be bonus points on exams.
5. Lecture exam dates are shown in the syllabus.
6. All testing will be conducted **online. in the testing center. Details can be found in the following section.**
7. Graded exams will not be reviewed in lecture. You will receive your exam score at the completion of the exam. Exam reviews will be available in elearning after the last date of testing. You will need LockDown Browser to access your exam for review. This is provided by the university.
8. If you have exam related questions, you are encouraged to attend office hours. Students will be managed on a first-come, first serve basis and an appointment is not required. All issues regarding exam questions and grades must be resolved within the week following the exam. After this week, such exam grade will be considered final.
9. Everything in the textbook is fair game for lecture exams, regardless whether or not it is presented in class. You are responsible to use the information contained in the entire chapters to prepare for exams.
10. 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, material presented by the professor in class will rule over what is written in textbook/outside source.
11. Do not miss exams! (If exams are missed, you must be able to verify your reason for missing). Any seat reservation missed at the testing center for any reason will be a "No Show" for the exam.
12. Make-up exams will not be considered **since there are multiple days/times to choose when to take the exams. In unless there are extreme circumstances,** make-up exams may be

granted and will be different than that specified above. Legitimate Reasons to make-up missed lecture exams are as follows: death of an immediate family member and bona fide medical emergencies. Any reason must be presented in writing prior to the exam start – no exceptions.

### **Testing Center Instructions:**

- ~~1. The Testing Center is located at 3020 Waterview Parkway, SP2 First Floor, Suite 11.175, Richardson, TX, 75080.~~
- ~~2. Testing center hours and guidelines are found <https://ets.utdallas.edu/testing-center/students>~~
- ~~3. Students MUST reserve their seat for testing at least 72 hours prior to the exam date. Testing center is no longer offering “walk-ins”, so DO NOT MISS the window to sign up.~~
- ~~4. Students MUST present their PHYSICAL student ID Comet Card each time to be admitted to the test.~~
- ~~5. Student must have the following information:~~
  - ~~a. Course Prefix + Course Number + Course Section Number + Exam Name~~
  - ~~b. Instructor's Name~~
- ~~6. No outside materials are required to take the exam. If the student violates this policy, an incident report will be filed and submitted to the instructor.~~
- ~~7. Students are monitored while testing. The testing environment and its computers are electronically monitored and recorded to include real time video and screen captures.~~
- ~~8. Any accommodations required by the OSA will be honored at the Testing Center.~~

### **Final Exam (optional):**

1. There will be an optional final (exam 5) given during at the end of finals week.
- ~~2. It will be given at the testing center.~~
3. This exam will be ~~120~~ 60 questions and cumulative for the course.
4. You will be given ~~150~~ 90 minutes to take the final.
5. Each question will be worth 8 points.
6. There will be no bonus questions.
7. The structure of all exams will be multiple choice, true/false, and matching questions.
8. If you choose to take this exam and score higher than any of your four other exams, then this exam grade will be used to replace such lower score.



9. If you choose to take this exam and score lower than any of your four other exams, then this exam grade will not count toward your final grade and no change will occur to your prior four exam scores.

### NEW Online Testing (exams 3-5)

1. These exams will be found in elearning and given only on ONE day between the hours of 9am-3pm. Dates are noted in schedule at end of syllabus.
2. Format, question number and points will be same as Exams 1 and 2.
3. You will be required to use Lockdown Browser to take the exam. Please find the link to the software in an earlier course announcement and have it loaded on to your computer you will be using. This is free university provided software.
4. It is preferred that you have a webcam, if you do not, contact me and we will figure out what to do.
5. It is not an open book exam. You are meant to abide by the academic honesty policies and produce your own work without use of study materials.

### NEW Office Hours

1. Hours will be posted in elearning.
2. We will use Blackboard collaborate which is in elearning. You will need to join the session and will be able to ask question live and listen to others question/answers during the sessions.
3. There will be at least three sessions per week.
4. There are no points awarded for attending these sessions. They are like traditional office hours.
5. These sessions will be recorded and available to review if needed.

### GRADING POLICY

1. You will receive the same letter grade for both BIOL 2312 and BIOL 2112.
2. Grades for the course will be calculated as follows:

	Points	#	Drops	total points
homeworks	20	15	2	260



quizzes	10	15	2	130
workshops	20	15	2	260
Exams	480	5	1	1920
TOTAL POINTS POSSIBLE				2570

3. Your final grade will be the total points earned divided by the “TOTAL POINTS POSSIBLE” amount shown above. This percentage will be rounded to the nearest integer, e.g.,  $89.5 = 90$ ;  $89.49 = 89$ .

4. Letter grade scale:

Grade	% cut off	C+	77
A+	97	C	74
A	94	C-	70
A-	90	D+	67
B+	87	D	64
B	84	D-	60
B-	80	F	59 or lower

5. Grades are determined based only on course performance. Grades are not based on need or effort. No points or fraction of a point will be awarded to increase to the next letter grade. NO EXCEPTIONS.

6. I do not curve grades. Do not ask, beg, cry or plead.

7. In compliance with FERPA, grades and/or grade information will not be given to anyone other than the student and will not be discussed over the phone or non-UTD 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.

## TENTATIVE COURSE CALENDAR

	Date		Lecture	Chap	Quiz	Homework	Workshop covers	Exam Name
Week 1	1/14/20	T	Intro & Ch38	38			no workshops first week	
	1/16/20	R	Ch38	38				
	1/19/20	Su	Assignments Due		quiz 1	homework 1		
Week 2	1/21/20	T	Endocrine	42			M - holiday, ch38 (T-F)	
	1/23/20	R	Endocrine	42				
	1/26/20	Su	Assignments Due		quiz 2	homework 2		
Week 3	1/28/20	T	Reproduction	49			Ch38 (M)	
	1/30/20	R	Reproduction	49			Ch42(T-F)	
	2/2/20	Su	Assignments Due		quiz 3	homework 3		
Week 4	2/4/20	T	neurons intro	39			Ch42 (M)	
	2/6/20	R	neurons	39			Ch49 (T-F)	
	2/9/20	Su	Assignments Due		quiz 4	homework 4		
Week 5	2/11/20	T	CNS/PNS	40			Ch49 (M)	
	2/13/20	R	Brain	40			Ch39 (T-F)	
	2/16/20	Su	Assignments Due		quiz 5	homework 5		EXAM 1 (t-F, 2/11-14)
Week 6	2/18/20	T	Senses	41			Ch39 (M)	
	2/20/20	R	Senses	41			Ch40(T-F)	
	2/23/20	Su	Assignments Due		quiz 6	homework 6		
	2/25/20	T	Musculoskeletal	43			Ch40 (M)	

Week 7	2/27/20	R	Musculoskeletal	43			Ch41 (T-F)	
	3/1/20	Su	Assignments Due		quiz 7	homework 7		
Week 8	3/3/20	T	Circulatory	44			Ch41 (M)	
	3/5/20	R	Circulatory	44			Ch43 (T-F)	
	3/8/20	Su	Assignments Due		quiz 8	homework 8		
Week 9	3/10/20	T	Respiratory	46			Ch43 (M)	
	3/12/20	R	Respiratory	46			Ch44 (T-F)	
	3/15/20	Su	spring break					EXAM 2 (T-F, 3/10-13)
Week 10	3/17/20	T	spring break					
	3/19/20	R	spring break					
	3/22/20	Su	Spring break					
Week 11	3/23/20 - 3/28/20		spring break					
	3/29/20	Su	Assignments Due		quiz 9	homework 9		
Week 12	3/30/20 - 4/4/20		Circ & Urinary	44 & 48			Ch44 (M) Ch46 everyone	
	4/5/20	Su	Assignments Due		quiz 10 & 11	homework 10 & 11		
Week 13	4/6/20 - 4/11/20		urinary	48			Ch 48 everyone	
	4/12/20	Su	Assignments Due		quiz 12	homework 12		

Week 14	4/13/20- 4/18/20		Immune	45			Ch45 everyone	EXAM 3 4/17/20
	4/19/20	Su	Assignments Due		quiz 13	homework 13		
Week 15	4/20/20- 4/25/20		Digestive	47			Ch 47 everyone	
	4/26/20	Su	Assignments Due		quiz 14	homework 14		
Week 16	4/27/20- 4/30/20		Evolution	20 & 21			Ch20/21 everyone	
	5/3/20	Su	Assignments Due		quiz 15	homework 15		
FINALS WEEK	5/4/20	M	EXAM 4					EXAM 4 5/4/20
	5/8/20	Fri	EXAM 5					EXAM 5 optional 5/8/20