

BIOL 2312

Introduction to Modern Biology II

Fall 2017

Section 001

TR 8:30-9:45am

SLC 1.102

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Office Hours: W 10:30-12pm & by appointment

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.

Workshop	Room	Day	Time
BIOL 2112.001	FO 3.616	Wed	11-11:50am
BIOL 2112.002	FO 3.616	Fri	11-11:50am
BIOL 2112.003	FO 3.616	Tues	4-4:50pm
BIOL 2112.004	FO 3.616	Thurs	4-4:50pm
BIOL 2112.005	JSOM 11.202	Mon	11-11:50am
BIOL 2112.006	FN 2.106	Mon	4-4:50pm

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

TEXTBOOKS AND MATERIALS

REQUIRED (2 items):

1. Choose one of the following:
Loose-Leaf Bundle (best if you want hardcopy forever and want it portable)

Russell/Hertz/Mcmillan - Bundle:
Biology: The Dynamic Science,
Loose-leaf Version, 4th + LMS
Integrated for MindTap® Biology, 2
terms (12 months) Printed Access
Card
9781337086929
\$201

- Hardback Bundle (best if you want hard copy forever and don't intend to carry it around)**

Bundle: Biology: The Dynamic
Science + LMS Integrated for
MindTap®, 2 terms (12 months)
Printed Access Card
9781305934160
\$189

- MindTap Access Code with eBook (best if you like all electronic and hate to dust)**

Russell - LMS Integrated for
MindTap® Biology, 2 terms (12
months**) Printed Access Card for
Russell/Hertz/Mcmillan's Biology:
The Dynamic Science
9781305881921
\$149

**NOTE: there is a 6 month option
available from Cengage directly for
\$115.00

2. 4 scantron forms #F-1712-PAR-L

Cengage COURSE LINK

access course through UTD
elearning

EXAM DATES

Exam 1 – T, 9/19/17

Exam 2 – T, 10/17/17

Exam 3 – T, 11/14/17

Exam 4 – 12/8-12/15/17, exact date TBD

COURSE POLICIES

Lectures:

1. Lectures will be 75 minutes each.
2. Attendance will not be taken.
3. Overheads will be provided in eLearning prior to lecture.
4. Textbook is not required during lecture.
5. Electronics are allowed if used for note taking purposes, preferably using a writing tool.

Workshops:

1. There will be a workshop each week. See last page for schedule.
2. Attendance will not be taken.
3. Workshops are for reviewing lecture material, increasing critical thinking/analysis.
4. Workshop Assignments (see below) will be assigned during and due in the same workshop.

Pre-lecture Assessments:

1. Assessments will be assigned each week.
2. Each homework is worth five (5) points. The full points are awarded if you complete the assessment and submit it by the due date. Your points are not based on how many questions you answered correctly, just if you completed the full question set. Partially completed question sets will receive no points. If you forget to submit the questions, the software will automatically submit it for you once the deadline is past.
3. Assessments will be completed and submitted in eLearning using the Cengage program. Due dates will be shown and correlate. The assessment is not timed. Only one submission is allowed. Estimated time to complete each homework is 10 minutes.
4. The lowest two (2) assessment scores will be dropped from your final grade.
5. Please make sure to access the homework using elearning and DO NOT log directly into Cengage. This will cause your grade to not record properly.
6. 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 homework is due. In other words, do not wait until the last day to complete the homework.

Homeworks:

7. Homework will be assigned each week.
8. Each homework is worth fifteen (15) points. The full points are awarded if you complete the homework and submit it by the due date. Your points are not based on how many questions you answered correctly, just if you completed the full question set. Partially completed question sets will receive no points. If you forget to submit the questions, the software will automatically submit it for you once the deadline is past.
9. Homework will be completed and submitted in eLearning using the Cengage program. Due dates will be shown and correlate. The homework is not timed. You may work on it in parts and save it as you go; however, you will

have to submit it when complete and only one submission is allowed. Estimated time to complete each homework is 30-45 minutes.

10. The lowest two (2) homework scores will be dropped from your final grade.
11. Please make sure to access the homework using eLearning and DO NOT log directly into Cengage. This will cause your grade to not record properly.
12. 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 homework is due. In other words, do not wait until the last day to complete the homework.

Quizzes:

1. All quizzes will be given in eLearning. Look for folder “quizzes” on left-hand side of course homepage.
2. Quizzes will be posted on Thursdays.
3. Quizzes are due by the following Sunday 11:59pm. Due date and time will be shown in eLearning. This means you will two-three days to review the prior section’s material and take the quiz.
4. There are fifteen (15) quizzes.
5. Each quiz will be fifteen (15) questions of multiple choice, fill-in the blank, T/F and mix-and-match styles.
6. Each question is worth 1 point.
7. You will have one (1) attempt for each quiz, so be prepared to take it once you start.
8. You will have twelve (12) mins to complete the quiz.
9. There are no makeup quizzes. No exceptions. Any missed quiz will count as a zero (0).
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 Monday 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.
11. Your final grade will drop the lowest two (2) quiz scores.

Workshop Assignments:

1. These will be provided and completed in workshop.
2. There will be two - four questions to complete. Grading rubrics will be shown on each question.
3. Papers will be graded and returned to you the following workshop. 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.
4. The questions will be short answer and short essay and are intended to increase retention and application of the material.
5. These can be discussed collaboratively with other students but must contain unique work.
6. Your final grade will drop the lowest two (2) scores.

Exams:

1. Four (4) in-class exams will be given during the semester. Three during the term and the last during finals week.
2. The four (4) exams will be 60 questions and worth 120 points. Each will cover the prior section material only.
3. **No exam will be dropped.**
4. The structure of all exams will be multiple choice, true/false, and matching questions. You will need a Scantron Form#F-1712-PAR-L for all exams.
5. There may be bonus points on exams
6. Lecture exam dates are shown in the syllabus.
7. The test times for the lecture exams will be at the regular class times and in the same classroom as for lecture.
8. You will need a UTD photo ID to take your lecture exams. If you do not have an UTD photo ID presently, please make arrangements to get one before the first exam. No exam or grade will be given to students without UTD photo ID (no exceptions). **No other form of identification is acceptable.**

9. Graded exams will not be reviewed in lecture. You will receive your exam score sheet back in workshop to review. Exams will also be kept on file in the instructor's office and will be available for review for 1 week, starting the next day after the exam sheets are returned to you. Additional office hours will be posted in eLearning for exam related questions. 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 this week. After this week, grades will be considered final.
10. 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.
11. 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.
12. Do not miss lecture exams! (If exams are missed, you must be able to verify your reason for missing).
13. Make-up lecture exams are usually not given. In extreme circumstances make-up exams will be given 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. These must be presented in writing prior to the exam start – no exceptions.

GRADING POLICY

1. Grades for course will be calculated as follows:

	Points	#	Drops	total points	% of grade
Pre-class assessment	5	14	2	60	5%
homeworks	15	15	2	195	17%
quizzes	15	15	2	195	17%
Workshop assignments	20	14	2	240	21%
Exams	120	4	0	480	41%
TOTAL POINTS POSSIBLE				1170	

2. Grading 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

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. Your final letter grade will be based on the percentage calculated in #3 using the above grading scale.
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 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.

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

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 ACADEMIC CALENDAR

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

	Date		Lecture	Chapter	Pre-Lecture Assessment	Post-Lecture Quizzes	Homework	Workshop covers
Week 1	8/22/2017	T	Intro & Evolution History	20				no workshop
	8/24/2017	R	Natural Selection	20				
	8/27/2017	Su	ASSIGNMENTS DUE		Ch 21	quiz 1	homework 1	
Week 2	8/29/2017	T	Microevolution	21				Ch 20
	8/31/2017	R	Microevolution	21				
	9/3/2017	Su	ASSIGNMENTS DUE		Ch 22,38	quiz 2	homework 2	
Week 3	9/5/2017	T	Speciation	22				Ch 21*
	9/7/2017	R	Physiology overview	38				
	9/10/2017	Su	ASSIGNMENTS DUE		Ch 39	quiz 3	homework 3	
Week 4	9/12/2017	T	Nervous System: neurons	39				Ch 22, 38*
	9/14/2017	R	Nervous System: neurons	39				
	9/17/2017	Su	ASSIGNMENTS DUE		Ch 40	quiz4	homework 4	
Week 5	9/19/2017	T	EXAM 1					Ch39*
	9/21/2017	R	Nervous System: Brain	40				
	9/24/2017	Su	ASSIGNMENTS DUE		Ch 41	quiz 5	homework 5	
Week 6	9/26/2017	T	Sensory Systems	41				review exam 1
	9/28/2017	R	Sensory Systems	41				Ch40*
	10/1/2017	Su	ASSIGNMENTS DUE		Ch42, 43	quiz 6	homework 6	
Week 7	10/3/2017	T	Endocrine	42				Ch 41*
	10/5/2017	R	Musculoskeletal	43				
	10/8/2017	Su	ASSIGNMENTS DUE		Ch44	quiz 7	homework 7	
Week 8	10/10/2017	T	Circulatory	44				Ch 42-43*
	10/12/2017	R	Circulatory	44				
	10/15/2017	Su	ASSIGNMENTS DUE		Ch 45	quiz 8	homework 8	
Week 9	10/17/2017	T	EXAM 2					ch44*
	10/19/2017	R	immune	45				
	10/22/2017	Su	ASSIGNMENTS DUE		Ch45-2	quiz 9	homework 9	
Week 10	10/24/2017	T	immune	45				review exam2
	10/26/2017	R	immune	45				

	10/29/2017	Su	ASSIGNMENTS DUE		Ch 46	quiz 10	homework 10	
Week 11	10/31/2017	T	respiratory	46				Ch 45
	11/2/2017	R	respiratory	46				
	11/5/2017	Su	ASSIGNMENTS DUE		Ch47	quiz 11	homework 11	
Week 12	11/7/2017	T	digestive	47				Ch 46
	11/9/2017	R	digestive	47				
	11/12/2017	Su	ASSIGNMENTS DUE		Ch48	quiz 12	homework 12	
Week 13	11/14/2017	T	EXAM 3					Ch 47
	11/16/2017	R	urinary	48				
	11/19/2017	Su	ASSIGNMENTS DUE		none	none	none	
Week 14	11/21/2017	T	no lecture - holiday					no workshop
	11/23/2017	R	no lecture - holiday					
	11/26/2017	Su	ASSIGNMENTS DUE		Ch 49	quiz 13	homework 13	
Week 15	11/28/2017	T	urinary	48				Ch 48
	11/30/2017	R	reproduction	49				review exam 3
	12/3/2017	Su	ASSIGNMENTS DUE		Ch 49	quiz 14	homework 14	
Week 16	12/5/2017	T	reproduction	49				Ch 49**
	12/6/2017	w				quiz 15	homework 15	
Finals	TBD, 12/8-12/15		EXAM 4					

* Monday workshops will be covering the material last

**Thursday and Friday workshops will meet in the evening during this week. Details to be provided.