

BIOL 2312

Introduction to Modern Biology II

Section 001

TR 8:30-9:45am

Fall 2016

HH 2.402

Instructor: Michelle Wilson, Ph.D.

E-Mail: michelle.wilson@utdallas.edu

Phone: 972-883-6913

Office: FN 3.116

Office Hours: T 9:30am-11:00am & 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 including use of empirical and quantitative skills.
3. Build communication and teamwork skills for problem solving during workshop activities.
4. 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	W : 11:00am-11:50am
BIOL 2112.002	FO 3.616	F : 11:00am-11:50am
BIOL 2112.003	FO 3.616	T : 4:00-4:50pm
BIOL 2112.004	FO 3.616	R : 4:00-4:50pm
BIOL 2112.005	SLC 2.302	M : 11:00am-11:50am
BIOL 2112.006	FN 2.106	M : 4:00-4:50pm

CONNECT COURSE LINK

Both Sections – access course through UTD elearning/Blackboard

Course Link: <http://connect.mheducation.com/class/mwilsonfa16>

TEXTBOOKS AND MATERIALS

REQUIRED

1. Plants and Animals, Volume3, Parts 6 and 7 from Biology, Raven et al, McGraw-Hill, 10th edition (*partial volume*)
ISBN: 9780077775827

OR

Biology, Raven et al, McGraw-Hill, 10th edition
ISBN: 9780073383071 (*full text, good for anyone taking BIOL2311 concurrently or in future*)

2. Connect Learnsmart Online Access
Purchase information will be provided in first lecture
3. 4 scantron forms
#F-1712-PAR-L

EXAM DATES

Exam 1 – T, 9/20/16

Exam 2 – R, 10/13/16

Exam 3 – T, 11/15/16

Exam 4 – finals weeks TBA

CONNECT BIOLOGY WEB LINKS

Instructions on how to register

<http://connect.customer.mcgraw-hill.com/students-how-to-order/>

Technical support

<http://connect.customer.mcgraw-hill.com/technical-support/>

COURSE POLICIES

Lectures:

1. Lectures will be 90 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. No laptops, tablets or cellular phones are allowed during lecture.

Workshops:

1. There will be a workshop each week.
2. Attendance will not be taken.
3. Workshops are for reviewing lecture material, increasing critical thinking/analysis.
4. Minute Papers will be assigned during and due the same workshop.
5. No laptops, tablets or cellular phones are allowed during workshop.

Homework:

1. Homework will be assigned each week.
2. Each homework is worth ten (10) 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. If you submit a partially finished homework, you will receive a percent of the points equal to the percent of the questions you completed. Example: you submit 15 of 60 questions which is 25% complete, you will get 2.5 points out of 10. Last, if you forget to submit the questions, the software will automatically submit it for you once the deadline is past. Note if it is not complete at auto-submission, you will receive partial points.

3. Homework will be completed and submitted in eLearning using the Learnsmart Biology program. Due dates will be shown and correlate when quizzes are due. 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.
4. Homework assignments along with due dates will show in eLearning.
5. The lowest homework score will be dropped from your final grade.
6. Please make sure to access the homework using elearning and DO NOT log directly into Connect. This will cause your grade to not record properly.
7. Also, do not use your phone or tablet to complete the online homework. It will not record your progress properly and you will not receive full credit.
8. 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 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 Fridays.
3. Quizzes are due by the following Tuesday 11:59pm. Due date and time will be shown in eLearning. This means you will two-three days to review the prior week’s material and take the quiz.
4. There are eleven (11) quizzes.
5. Each quiz will be fifteen (10) questions of multiple choice, fill-in the blank, T/F and mix-and-match styles.
6. Each question is worth 1.5 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.

Minute Papers:

1. These will be provided and completed in workshop during that last 12-15 minutes.
2. There will be two questions and one bonus question.
3. These will be short answer and short essay and are intended to increase retention and application of the material.
4. All but the bonus question can be discussed collaboratively with other students but answers must contain unique work.

5. Each is worth up to 5 points.
6. There will be one bonus question covering the week's topic. This means you can earn 1 bonus point each week.
7. Your final grade will drop the lowest two (2) Minute Paper scores.
8. They will be graded as follows:

Points	Expectations
0	No assignment submitted, no make-ups allowed
up to 5	for each question, partial credit for each question possible
1	correctly answered bonus question

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 all exams. A maximum of six (6) bonus points may be made available during lecture exams.
6. Lecture exam dates will be tentatively as 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 class. You will receive your exam 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 grades are posted in eLearning. 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:

	Qty	Each Worth	Possible	Dropped	Total	% of final grade
Lecture Exams	4	120	480	0	480	60%
Quizzes	11	15	165	2	135	17%
Homeworks	11	10	110	1	100	12%
Minute Papers	11	10	110	2	90	11%
					805	
Bonus Points	11	1	11	0	11	equivalent to 1.4% of your final grade

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 percentage in eLearning will be rounded to the nearest integer, e.g., 89.5 = 90; 89.49 = 89.
4. Your final letter grade will reflect in the course as shown on 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.

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.

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

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."

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.

	Class Date		Exams	Lecture	Quizzes Due	Homework Due	Workshop covers
Week 1	8/23/2016	T		Intro- Chapter 42			none
	8/25/2016	R		Body Regulation			
Week 2	8/30/2016	T		Chapter 43	quiz 1	homework 1	WK#1 - ch42
	9/1/2016	R		Nervous System			
Week 3	9/6/2016	T		Chapter 44	quiz 2	homework 2	WK#2 - ch43*
	9/8/2016	R		Senses			
Week 4	9/13/2016	T		Chapter 45	quiz 3	homework 3	WK#3 - ch44*
	9/15/2016	R		Endocrine			
Week 5	9/20/2016	T	EXAM 1	chaps 42-44			none*
	9/22/2016	R		Chapter 46			
Week 6	9/27/2016	T		Musculoskeletal	quiz 4	homework 4	WK#4 - ch45
	9/29/2016	R		Chapter 47			
Week 7	10/4/2016	T		Digestive	quiz 5	homework 5	WK#5 - ch46
	10/6/2016	R		Chapter 48			
Week 8	10/11/2016	T		Respiration	quiz 6	homework 6	WK#6 - ch47

	10/13/2016	R	EXAM 2	chaps 45-47			
Week 9	10/18/2016	T		Respiration			none
	10/20/2016	R		Chapter 49			
Week 10	10/25/2016	T		Circulatory	quiz 7	homework 7	WK#7 - ch48
	10/27/2016	R		Chapter 50			
Week 11	11/1/2016	T		Urinary	quiz 8	homework 8	WK#8 - ch49
	11/3/2016	R		Urinary			
Week 12	11/8/2016	T		Chapter 51	quiz 9	homework 9	WK#9 - ch50
	11/10/2016	R		Immune			
Week 13	11/15/2016	T	EXAM 3	chaps 48-50			
	11/17/2016	R		Immune			
Week 14	11/22/2016	T	Holiday Break				
	11/24/2016	R					
Week 15	11/29/2016	T		Chapter 52	quiz 10	homework 10	WK#10 - ch51
	12/1/2016	R		Reproduction			
Week 16	12/6/2016	T		Ch 53 Development	quiz 11	homework 11	WK#11 - ch52
Finals	TBD, 12/9-15		EXAM 4	chaps 51-53			

* Monday workshops will be covering the material last during these weeks and will be the only workshops meeting Week 5