

BIOL 2312

Introduction to Modern Biology II

Section 001

MWF 1:00-1:50pm

Fall 2013

HH 2.402

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Office Hours: W, F 9:00am-11:00am

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 system.
2. Analyze, using these systems, the relationship between the structure and function of 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 Sections	Days & Times	Room
001	W 11:00am-11:50am	FO 3.616
002	F 11:00am-11:50am	FN 2.106
003	T 4:00pm-4:50pm	FO 3.616
004	R 4:00pm-4:50pm	JSOM 2.903

EXAM DATES

Exam 1 – M, 9/16/13

Exam 2 – M, 10/14/13

Exam 3 – M, 11/4/13

Exam 4 – F, 11/22/13

Final – finals weeks 12/13/13-12/19/13, day/time TBD

TEXTBOOKS AND MATERIALS

REQUIRED

- Plants and Animals, Parts 6 and 7 from Biology, Raven et al, McGraw-Hill, 10th edition
ISBN: 007-777582-1

OR

Biology, Raven et al, McGraw-Hill, 10th edition
ISBN: 978-0-07-338307-1 (full text, good for anyone taking BIOL2311 concurrently or in Spring 2014)

- Connect Biology Access Card for Biology, 10th edition
ISBN13: 9780077440176
ISBN10: 007744017X

OR

ConnectPlus Biology Access card (includes eText)
ISBN 10:
ISBN 13:
Can be purchased online when registering with Connect

- Turning Technology clicker
ISBN: 978-1-934931-40-0
- 5 ParSCORE Score Sheets, Form No. F-1712-PAR-L

CONNECT BIOLOGY WEBLINK

http://connect.mcgraw-hill.com/class/mwilson_biol2312_fa13

http://connect.mcgraw-hill.com/class/mwilson_biol2312_fa13

COURSE POLICY

Lectures:

1. Lectures will be 50 mins each.
2. Attendance will not be taken.
3. Participation points (see below) will be awarded during lecture using the Turning Point Clicker system. Awarding of points is discussed under grading policy below.
4. There will be between 1-4 participation questions per lecture.
5. Overheads will be provided in eLearning prior to lecture.
6. Textbook is not required during lecture.

Turning Point Clickers:

1. You will need your clicker for each lecture. If you have forgotten it, no points will be recorded for you for that lecture. There will be no makeup for those points. NO EXCEPTIONS.
2. Participation questions will be given during lecture. They may be timed and will assess the progress of the students with the material or survey the students about the topic or future topics.
3. The link for registering your clicker is in eLearning on Course page under navigation column on the left.

Workshops:

1. There will be a workshop each week.
2. Attendance will not be taken.
3. Workshops are for reviewing lecture material and some weeks will have supplementary material that will be covered on the exams.

Homework:

1. Homework will be assigned in lecture and/or workshop.
2. Each homework is worth ten (10) points.
3. Homework will be submitted via eLearning and/or workshop.
4. Most homework will be completed in eLearning using the ConnectBiology program. You will have unlimited time to complete the homework but only on attempt. Estimated time to complete each homework is 30-45 minutes.
5. Homework assignments along with due dates will show in eLearning.
6. The lowest homework score will be dropped from your final grade.
7. Homework will count toward 15% of your final grade.

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 most Fridays after lecture.
3. Quizzes are due by Monday lecture time (1pm). Due date and time will be shown in eLearning. This means you will have Saturday, Sunday and Monday to review the prior week’s material and take the quiz.
4. There is a maximum of ten (10) quizzes.
5. Each quiz will be ten (10) questions of multiple choice, fill-in the blank, T/F and mix-and-match styles.
6. You will have 1 attempt for each quiz, so be prepared to take it once you start.
7. You will have 8 mins to complete the quiz. This is ~50 seconds per question.
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 quiz scores.
10. Quizzes will count toward 15% of your final grade.

Exams:

1. Five (5) exams will be given during the semester. The last exam will be held during finals week and is not comprehensive.
2. The total points earned on lecture exams will count 60% of final overall grade. Each lecture exam is 15% of final overall grade. The lowest lecture exam will be dropped.
3. The structure of the exams will be multiple choice, true/false, and matching questions. There will be 50 questions on all exams. There may be bonus points on all exams. You will need a Scantron (ParSCORE, SCORE SHEET, Form No. F-1712-PAR-L) for all exams.
4. A maximum of six (6) bonus points may be made available during lecture exams.
5. Lecture exam dates will be tentatively as shown on the first page of the syllabus.
6. The test times for the lecture exams will be at the regular class times and in the same location.
7. You will need a UTD photo ID to get into 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.
8. 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, starting the next day after the exam grades are posted in eLearning. Extended office hours will be posted in eLearning for reviewing the exam. 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.
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 lecture exams! (If exams are missed you must be able to verify your reason for missing).
12. Make-up lecture exams are usually not given. You may use your one exam drop if you are unable to attend an exam. If there are circumstances that warrant a make-up, the instructor will determine the criteria for such an exam at the appropriate time. The structure of make-up exams 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	5	100	500	100	400	60%
Quizzes	10	10	100	20	80	15%
Homework	12-15	10	120-150	10	110-140	15%
Class Participation		(sliding scale, 0-70pts)	70	70	70	10%
			800		660-690	

2. Grading scale:

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

3. Class Participation Points will be earned during lecture only and as follows:

For each question in lecture there are two (2) points possible	
1 point	Just for answering
1 point	Correct answer

4. Class Participation Points will be 10% of your final grade and will be awarded at the end of the semester. A percentage calculated from the total number possible will be rounded to the nearest whole integer and used with the following scale to award your participation points as part of your final grade:

% earned	points awarded to final grade
90-100%	70
80-90	60
70-80	50
60-70	40
50-60%	35
49% or less	0

5. Your final percentage in eLearning will be rounded to the nearest integer, e.g., 89.5 = 90; 89.49 = 89.
6. Your final letter grade will reflect in the course as shown on the above grading scale.
7. 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.
8. I do not curve grades. Do not ask, beg, cry or plead.
9. 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.

Week	Class Date	Topic	Lecture	Quizzes	Workshop
1	8/26/2013 M	Intro & Chap 42	Body Organization and Tissues		none
	8/28/2013 W		Systems and Homeostasis		
	8/30/2013 F		Thermoregulation	quiz 1	
2	9/2/2013 M	HOLIDAY			WK#1
	9/4/2013 W	Chapter 43	Nervous System		
	9/6/2013 F		Nervous System	quiz 2	
3	9/9/2013 M	Chapter 44	Nervous System		WK#2
	9/11/2013 W		Hearing		
	9/13/2013 F		Vision		
4	9/16/2013 M	EXAM 1			WK#3
	9/18/2013 W	Chapter 45	Endocrine		
	9/20/2013 F		Endocrine	quiz 3	
5	9/23/2013 M	Chapter 46	Endocrine		WK#4
	9/25/2013 W		Endocrine		
	9/27/2013 F		Skeletal System and Bone	quiz 4	
6	9/30/2013 M	Chapter 47	Joints & Movement		WK#5
	10/2/2013 W		Muscle contraction and locomotion		
	10/4/2013 F		Digestive	quiz 5	
7	10/7/2013 M		Digestive		WK#6
	10/9/2013 W		Digestive		
	10/11/2013 F		Digestive		
8	10/14/2013 M	EXAM2			WK#7
	10/16/2013 W	Chapter 48	Respiration		
	10/18/2013 F		Respiration	quiz 6	
9	10/21/2013 M	Chapter 49	Respiration		WK#8
	10/23/2013 W		Respiration		
	10/25/2013 F		Circulatory	quiz 7	
10	10/28/2013 M		Circulatory		WK#9
	10/30/2013 W		Circulatory		
	11/1/2013 F		Circulatory		
11	11/4/2013 M	EXAM 3			WK#10
	11/6/2013 W	Chapter 50	Urinary		
	11/8/2013 F		Urinary	quiz 8	
12	11/11/2013 M	Chapter 51	Urinary		WK#11
	11/13/2013 W		Urinary		
	11/15/2013 F		Immune	quiz 9	
13	11/18/2013 M	EXAM 4	Immune		WK#12
	11/20/2013 W		Immune		
	11/22/2013 F				

14	11/25/2013	M	HOLIDAY		
	11/27/2013	W	HOLIDAY		
	11/29/2013	F	HOLIDAY		
15	12/2/2013	M	Chapter 52	Reproduction	WK#13
	12/4/2013	W		Reproduction	
	12/6/2013	F		Reproduction	quiz 10
16	12/9/2013	M	Chapter 53	Development	none
	12/11/2013	W	LAST LECTURE	Development	
12/13-12/19		FINAL - TBD			