

HONORS BIOL SCI MAJORS II- Biology 1722.003 - Spring 2017

Instructors: 1/17-3/10: Dr. Kelly Reyna (LSC B114; phone 565-4287; email Kelly.Reyna@unt.edu)
Office Hours: W 10:00-12:00 AM
3/21-5/12: Dr. Jyoti Shah (LSC B418; phone 565-3535; email Jyoti.Shah@unt.edu)
Office Hours: M 10:00-11:00 AM and W 1:00-2:00 PM

Hours: Class: TTh 11:00AM to 12:20PM BLB (Business Leadership Building) 035

Website: learn.unt.edu Check this website regularly, it will contain updates to the syllabus and pdf or powerpoint files of the basic slides used in class. It is recommended that you go to the website the day before class to print out the pdf files and bring them to the lecture as note taking aids.

Recommended Text: Campbell BIOLOGY 10th Edition. The textbook as well as the website listed below provide excellent resources for material covered in class. Other resources: <https://openstaxcollege.org/textbooks/biology>

This course is designed for science majors who are interested in general biology. We will emphasize both plant and animal biology during this semester. The intent of the course is to provide a strong background that will allow you to take higher-level courses in the life sciences and to fulfill a laboratory science requirement at the university.

TESTING: You will take three examinations during the semester and a final exam. The final exam is not comprehensive, but will cover the material presented after the third exam. Each exam will be worth 100 points for a total of 400 points in the course. No exam grades will be dropped from the calculation of the final grade. There will be 2 literature reviews due during the course of the semester each worth 10 points for a total of 20 points. This provides a total of 420 points that you can earn for the semester. Grades will be assigned according to the point system listed below.

<u>Grade</u>	<u>Total Points</u>
A	378 to 420
B	336 to 377
C	294 to 335
D	252 to 293
F	251 and below

MAKE-UP EXAMS: Exams may only be missed under extenuating circumstances, and must be accompanied by evidence of those circumstances. Make-up exams must be arranged as soon as possible, preferably before the missed exam, including the final. Incompletes will only be assigned under extenuating circumstances when a student has a C average or above on coursework taken to date.

CHEATING POLICY: All exams are to be taken independently. Phones, computers, and any other electronic devices must be turned off and stowed away during the exam. No student will be admitted twenty minutes after the start of an exam and no student may leave during the first thirty minutes of the exam. Cheating includes, but is not limited to, copying from another's exam, using notes on the exam, or using a phone for text messaging is not permitted. If a student is caught cheating in this course, they will receive a zero for that grade opportunity and a note will be placed in their permanent file. If caught cheating twice they will be permanently removed from the course.

ATTENDANCE: It is difficult to obtain all the information presented in lectures unless you get it "first hand." We cannot stress enough the importance of attending class. Historically we have found that if you do not attend class, you should expect to do poorly in this course. Occasionally the instructors may give on-the-spot quizzes during the lectures, which may amount to bonus points. There will be no make-up for missed on-the-spot quizzes.

OFFICE HOURS: We will have regular office hours during the semester. Please feel free to contact us if you have any difficulties or need further explanation of the material. We are also available by appointment if you are unable to make it during office hours. **Take advantage of our office hours, we are here to help you learn.**

DISABILITIES: The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at 940.565.4323.

Lecture Schedule

<u>Wk</u>	<u>Day</u>	<u>Date</u>	<u>Topics</u>	<u>Chapter Reading</u>	<u>Lecturer</u>
1	T	1/17	Vertebrate Origin and Evolution	22,26	Reyna
	Th	1/19	Animal Form and Function	40	Reyna
2	T	1/24	Animal Nutrition and Metabolism	41	Reyna
	Th	1/26	Circulation and Gas Exchange	42	Reyna
3	T	1/31	Circulation and Gas Exchange	42	Reyna
	Th	2/2	Immune System	43	Reyna
4	T	2/7	Osmoregulation and Excretion	44	Reyna
	Th	2/9	Examination 1		Reyna
5	T	2/14	Hormones and the Endocrine System	45	Reyna
	Th	2/16	Animal Reproduction	46	Reyna
6	T	2/21	Animal Development	47	Reyna
	Th	2/23	Neurons, Synapses, and Signaling	48	Reyna
7	T	2/28	Nervous Systems, & Senses	49	Reyna
	Th	3/2	Sensory and Motor Mechanisms	50	Reyna
8	T	3/7	Animal Behavior	51	Reyna
	Th	3/9	Examination 2		Reyna
9	T&Th	3/14 & 16	SPRING BREAK - No Class		
10	T	3/21	Intro to Ecology	Ch 52	Shah
	Th	3/23	Population and Community Ecology	Ch 53, 54	Shah
11	T	3/28	Population and Community Ecology contd.	Ch 53,54	Shah
	Th	3/30	Ecosystems , Conservation and Restoration	Ch 55, 56	Shah
12	T	4/4^	Viruses, Bacteria and Archaea	Ch 19, 27	Shah
	Th	4/6	Protists and Fungi	Ch 28, 31	Shah
13	T	4/11	Overflow and Review if time permits		Shah
	Th	4/13	Examination 3		Shah
14	T	4/18	Plant Diversity	Ch 29, 30	Shah
	Th	4/20	Plant Structure, Growth and Development	Ch 35	Shah
15	T	4/25	Angiosperm Reproduction	Ch 38	Shah
	Th	4/27	Plant Nutrition, resource acquisition & transport	Ch 36,37	Shah
16 (DW)	T	5/2	Plant Response to Internal & External Signals	Ch 39	Shah
	Th	5/4	Review		Shah
17	T	5/9	Final Exam 10:30AM to 12:30PM		Shah

^ LAST DAY TO DROP COURSE WITH A "W" OR "WF"