

## Honors Biology for Science Majors II - Biology 1722.003 - Spring 2021

**Instructors:** **January 11– March 4:** Samuel James Ogden, Jr. (LSC 246A; phone 940-565-4213; email: [samuel.ogdenjr@unt.edu](mailto:samuel.ogdenjr@unt.edu))  
**Office Hours:** M 10:30-11:00 AM and Tu 12:30 - 1:30 PM via **ZOOM**

**March 9–April 27:** Jyoti Shah (LSC A210; phone 565-4494; email: [Jyoti.Shah@unt.edu](mailto:Jyoti.Shah@unt.edu))  
**Office Hours:** M 10:00 -11:00 AM and Tu 12:30 - 1:30 PM **via ZOOM**

**Class:** TTh 11:00 AM to 12:20 PM Via Canvas and ZOOM

**Website:** Canvas is located at: [unt.instructure.com](http://unt.instructure.com). Check this website regularly. It will contain updates to the syllabus and files of the basic slides used in class. It is recommended that you go to the website the day before each class to review the lecture as note-taking aids.

**Recommended Text:** Campbell BIOLOGY 11th Edition. The textbook and 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 animal and plant biology, and ecology 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:

1. **Exams:** You will take three examinations during the semester and a final exam. The first exam will be spread out over two different days (1/26 and 2/9). On 2/9 we will have 50 min of lecture and then take the rest of the class to complete the first part of exam 1. 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. Grades will be assigned according to the point system listed below. Grades will not be curved.
2. **Literature Review:** There will be two (2) literature reviews due during the course of the semester each worth 10 points for a total of 20 points.

The exams and literature review provide 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 and above
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 closed book exams and during the rest of the semester are to be taken independently via Canvas during the scheduled exam time. Electronic devices other than that being used for taking the exam must be turned off and stowed away during the exam. Cheating includes, but is not limited to, getting assistance from others, accessing the web, other electronic resources, or using notes during exam time. Cheating in this course will result in you receiving a zero for that grade opportunity and a note will be placed in their permanent file. If caught cheating twice you 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. We reserve the right to administer in-class quizzes via zoom if attendance drops off; these cannot be made up if missed.

**OFFICE HOURS:** Because of the pandemic, office hours this semester will be held via ZOOM. Please feel free to contact us if you have any difficulties or need further explanation of the material. The instructors are also available by appointment if you are unable to make it during office hours. **Take advantage of our office hours. We want you to succeed and are here to help you learn.**

**ETIQUETTE:** We need to work together to ensure a high-quality teaching and learning environment. Disruptive and inconsiderate activities negatively affect the entire class. Zoom-bombing will not be tolerated.

**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 AND EXAM SCHEDULE:** Note that the schedule below is subject to change in cases where the university closes, etc. We will do all we can to ensure that the exams fall on the dates listed below. Based on our pace, the dates we cover specific material may change. Any changes to the syllabus will be posted on Canvas.

### Tentative Lecture Schedule

Wk	Day	Date	Topics	Reading	Lecturer
1	T	1/12	Pre-test; Physiology + Body Organization	40.1 - 40.3	Ogden
	Th	1/14	Neurons, Synapses, and Signaling	48.1 - 48.4	Ogden
2	T	1/19	Nervous Systems, & Senses	49.1; 50.1-50.4	Ogden
	Th	1/21	Hormones and the Endocrine System	45.1- 45.4; 11.2 - 11.4	Ogden
3	T	1/26	Hormones and the Endocrine System <b>Examination 1a</b>	45.1 - 45.4	Ogden
	Th	1/28	Animal Nutrition and Metabolism	40.4 - 41.5	Ogden
4	T	2/2	Muscles	50.5 - 50.6	Ogden
	Th	2/4	Overflow and Review		Ogden
5	T	2/9	<b>Examination 1b</b>		Ogden
	Th	2/11	Circulatory System & Respiratory System	42.1 - 42.7	Ogden
6	T	2/16	Circulatory System & Respiratory System	42.1 - 42.4	Ogden
	Th	2/18	Osmoregulation & Excretion	44.1 - 44.5	Ogden
7	T	2/23	Immune System • <b>Literature Review 1 due back</b>	43.1 - 43.4	Ogden
	Th	2/25	Reproduction	46	Ogden
8	T	3/2	Overflow and Review		Ogden
	Th	3/4	<b>Examination 2</b>		Ogden
9	T	3/9	Viruses, Bacteria and Archaea	Ch 19, 27	Shah
	Th	3/11	Protists and Fungi	Ch 28, 31	Shah
10	T	3/16	Intro to Ecology	Ch 52	Shah
	Th	3/18	Population and Community Ecology	Ch 53, 54	Shah
11	T	3/23	Ecosystems, Conservation and Restoration	Ch 55, 56	Shah
	Th	3/25	Viruses, Bacteria and Archaea	Ch 19, 27	Shah
12	T	3/30	Overflow and Review		Shah
	Th	4/1	<b>Examination 3</b>		
	T	4/6	Plant Diversity	Ch 29, 30	Shah
13	Th	4/8	Plant Structure, Growth and Development	Ch 35	Shah
	T	4/13	Angiosperm Reproduction • <b>Literature Review 2 due back</b>	Ch 38	Shah
14	Th	4/15	Plant Nutrition, resource acquisition & transport	Ch 36,37	Shah
	T	4/20	Plant Response to Internal & External Signals	Ch 39	Shah
15	Th	4/22	Review		Shah
16	T	4/27	<b>Final Exam 10:30AM to 12:30 PM</b>		Shah

April 1<sup>st</sup> – Last day to drop course. Remember that you can only drop 6 courses during your undergraduate career. See <http://registrar.unt.edu/registration/dropping-class>