

Biology for Science Major II
BIOL-1720.001- FALL 2022

Instructors:

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Office hours: Tuesday: 10:00 AM to 11:00 AM

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Office hours: Tuesday: 10:00 AM-11:00 AM

Lecture Hours and Location: **T/Th 8:00 to 9:20 AM, Matt 311**

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

Website: <https://unt.instructure.com/login/ldap> (Canvas) is the official web portal to this course. Check this website regularly. It will contain updates to the syllabus, pdf files of the figures used in class, and other official communications as necessary. 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.

The textbook is a free online book available at <https://openstax.org/details/books/biology-2e> and you may use the tutor available for \$10 at <https://openstax.org/openstax-tutor>

The website listed below provides an additional resource for material covered in class.

<http://virtuallaboratory.colorado.edu/Biofundamentals/>

Grading: You will take four non-comprehensive examinations during the semester (the fourth is during final exam week). Each of four in-class exams will be worth 100 points, for a total of 400 points and 100% of the grade.

Attendance and spot quizzes if administered in class will help you to earn bonus points. No exam grades will be dropped from the calculation of the final grade. Exams may include materials from the lectures and required textbook. Picture ID is required at all exams. Grades will be assigned according to the point break down listed below:

Grade distribution: 4 Lecture exams @ 100 points each 400 points
360-400 points: A (90%); 320-359 points: B (80%); 280-319 points: C (70%); 240-279 points: D (60%); points 239 and less: F (59.9% and less)

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 within a week after the missed exam. Incompletes will only be assigned under extenuating circumstances when a student has a C average or above on the exams taken to date. No make-up's will be permitted for missed on-the-spot quizzes that may be administered during class.

Cheating Policy: All exams are to be taken independently. 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. All notes and books should be stowed away during exams. In addition, all computers, phones, and other electronics must be turned off and stowed during the exam. Cheating in any form will not be tolerated. Cheating includes, but is not limited to, copying from another's exam, talking to others during the exam, using notes on the exam, or using a phone for text messaging during the exam. Students caught cheating 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: Success in this course is heavily influenced by attendance and active interaction. Thus, students are expected to regularly attend lecture. It is difficult to obtain all the information presented in lectures unless you get it "first hand." Lectures may deviate from the textbook and from material made available on <https://unt.instructure.com/login/ldap> as seen fit by your instructor. We cannot stress enough the importance of attending class, paying attention, and taking notes during class. Occasionally the instructors may give on-the-spot quizzes during the lectures, which may amount to bonus points.

It is important that you communicate with the professor and the instructional team prior to being absent, so you, the professor, and the instructional team can discuss and mitigate the impact of the absence on your attainment of course

learning goals. Please inform the professor and instructional team if you are unable to attend class meetings because you are ill, in mindfulness of the health and safety of everyone in our community. If you are experiencing any [symptoms of COVID-19](#) please seek medical attention from the Student Health and Wellness Center (940-565-2333 or askSHWC@unt.edu) or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Team at COVID@unt.edu for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure.

Etiquette: We need to work together to ensure a high-quality teaching and learning environment. Disruptive and inconsiderate activities negatively affect the entire class and include talking, coming in late, leaving class for non-essential reasons, using cell phones, and general inattentive behavior.

Laboratory: You must enroll in a laboratory section of Biology 1760 to obtain credit for a laboratory science.

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 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.

Religious Holidays:

A student shall be excused from attending classes, or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this provision may not be penalized for that absence and shall be allowed to take an examination or complete an assignment within a reasonable time after the absence. Students desiring to observe a religious holy day which will result in a class absence, must notify their instructor in writing for each class no later than the 15th calendar day after the first class day of the semester in which the absence will occur.

**BIOL 1720-001 BIOLOGY MAJORS II
Fall-2022**

**Lecturers: Pudur Jagadeeswaran and Samuel J. Ogden
Schedule may change without notice**

Date	Topic	Chapter Reading	Instructor
August 30	Animal Form and Function	33	Jagadeeswaran
September 1	The Nervous System	35	Jagadeeswaran
September 6	Sensory Systems	36	Jagadeeswaran
September 8	The Endocrine System	37	Jagadeeswaran
September 13	The Circulatory System	40	Jagadeeswaran
September 15	The Respiratory System	39	Jagadeeswaran
September 20	Overflow and Review		Jagadeeswaran
September 22	Exam 1		Jagadeeswaran
September 27	The Musculoskeletal System	38	Jagadeeswaran
September 29	Osmoregulation and Excretion	41	Jagadeeswaran
October 4	Animal Nutrition and the Digestive System	34	Jagadeeswaran
October 6	The Immune System	42	Jagadeeswaran
October 11	Animal Reproduction	43	Jagadeeswaran
October 13	Overflow and Review		Jagadeeswaran
October 18	Exam 2		Jagadeeswaran
October 20	Viruses; Prokaryotes	21,22	Ogden
October 25	Protists	23	Ogden
October 27	Fungi	24	Ogden
November 1	Ecology and the Biosphere	44	Ogden
November 3	Population and Community Ecology	45	Ogden
November 8	Ecosystems	46	Ogden
November 10	Conservation Biology and Biodiversity	47	Ogden
November 15	Review and Overflow		Ogden
November 17	Exam 3		Ogden
November 22	Seedless plants, Seed plants	25,26	Ogden
November 23	Thanksgiving Holiday (no class)		
November 29	Plant Form and Physiology	30	Ogden
December 1	Soil and Plant Nutrition	31	Ogden
December 6	Plant Reproduction	32	Ogden
December 8	Overflow and Review		Ogden
December 13	Final/Exam 4 (8:00 am- 10:00 am)		Ogden