COURSE SYLLABUS

BIOLOGY FOR SCIENCE MAJORS: Biology 1720.013 –Fall 2023

INSTRUCTOR: Art Goven
Office: UNT – Denton LSC A 305
Email: goven@unt.edu

LECTURE LOCATION:
Denton Campus, Wooten Hall 322

LECTURE TIME AND CLASS ATTENDANCE:
Monday / Wednesday / Friday 10:00 to 10:50 am
Each lecture will contain approximately an hour of material. Attendance is required; however, roll will not be taken, but attendance pop quizzes may be given. You must attend class to do well in this course.

EMAIL and OFFICE HOURS:
Denton Campus: T / Th 11:00am to 12:00 noon and M /W /F 9:00am to 10:00am and 2:00pm to 3pm. Later in the semester office hours may be held at the Physics and Life Sciences Resource Center. More about that later, after it opens.

Office hours are best by appointment: I have three classes with several hundred students and times fill up**.** I encourage you to make an appointment to see me if you are having trouble understanding the material that goes beyond what can be covered using email, or if you want to discuss grades, or have other issues that require a private meeting. If you make an appointment, I will be there for you, if you just show up I may already be with someone. Contact me by email to schedule an appointment. Appointments can be in person or by telephone. Remember email is great for simple questions, can be used anytime, and is quick, and yes, I answer email.

COURSE OBJECTIVES:
This course is designed for biological science majors who are interested in general biology. Both plant and animal biology, as well as ecology, will be emphasized during the 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.

LECTURE MODE:
In person, face to face. The lectures will consist of detailed Power Point slides with a comprehensive explanation of the material presented on each slide. **Each lecture contains significant amounts of information that must be comprehended / understood to pass each test.**

REQUIRED TEXT:
The text is required, and I strongly encourage you to obtain a copy, electronic or hard. The textbook for this course is *Biology 2e* from OpenStax. A free, downloadable copy is available at: https://openstax.org/details/books/biology-2e. The text may be read online or downloaded as

an eBook or pdf version. Or you may order a low-cost print copy from the Barnes & Noble bookstore if you prefer a traditional hard copy.

CANVAS:
To make it easy for you to follow and take notes Power Point slides will be posted on Canvas prior to each lecture. It is recommended that you go to Canvas before each lecture to access the PP slides for review. You can take notes on the Power Point slides using a tablet or make a copy to use for traditional note taking. PP slides are helpful, but you must attend lecture to gain a full understanding of the material and to know what material is stressed.

Exam grades will also be posted on Canvas. Grades on Canvas will represent the score earned on each test and will not represent points received from test curves or points received from tests regrading that may result in additional points.

Quizzes will be administered on Canvas, see below.

Finally, class announcements will be made using Canvas so select notifications "on" in your Canvas settings.

COURSE REQUIREMENTS:

Earn an overall number of points on quizzes and tests to receive a passing average.

QUIZZES: During the semester you will take 10 quizzes (almost one every week). Quizzes will be posted on Canvas on Friday afternoons, and you will have until Sunday at 11:59 pm to complete the assignment. Each quiz will be worth 5 points. The quizzes will amount to 50 points toward your final grade. Each quiz will test your knowledge on the material covered during that week. **There will be no make-up quizzes, if you miss the quiz, you miss it. These are easy points so do not miss quizzes.**

EXAMS: Four (4) lecture exams will be given. Each exam will contain 50 multiple choice questions and will be worth 100 points for a total of 400 points. No exams will be dropped when calculating the final grade. Each exam is equal in weight. Test 4 is not comprehensive. **After each exam make sure that you have a grade in Canvas. If you are missing a grade it is your responsibility to notify the instructor.**

MISSED EXAMS: Exams may only be missed under extenuating circumstances. No make-up exams will be given without valid evidence detailing the circumstances. Make-up exams must be arranged as soon as possible, preferably before the exam is missed. The material to be tested on in the make-up will be decided upon by the instructor. It is your responsibility to contact the instructor before missing an exam. Use email so that a written record is established. Make-up exams should be extremely rare and should be, if possible, completed before the scheduled exam is returned to the class. After each exam make sure that you have a grade in Canvas. If you are missing a grade it is your responsibility to notify the instructor.

FINAL GRADE: The final grade will be calculated using the points earned on the four (4) exams plus points earned on quizzes. Quizzes and exams provide a total of 450 points that can be earned during the semester. Grades will be assigned according to the point system below.

A = 403 to 450 points
B = 358 to 402 points
C = 313 to 357 points
D = 268 to 312 points
F = 0 to 269 points

RE-GRADING POLICY: If you believe that your exam has been graded in error you must notify the instructor within two (2) lecture periods after the exam has been handed back with an explanation of what you believe the error to be.

TEST AND FINAL GRADE CURVES:

TEST CURVES: For each exam the highest grade in the class will be elevated to 100. For example, if the highest grade on Exam 1 is 94 points correct out of 100 points, then 6 points will be added to the grade. These 6 points will then be added to all Exam 1 grades. This curve takes care of poorly written questions.

FINAL CURVE: At the end of the course the highest number of points in the class will be elevated to 100% of the 450 points. For example, if the highest final average is 95% of the 450 points, then 5% of the 450 points will be added to the final average. These points will be added to all final averages. Do not count to heavily on these points because the final average will include the points earned through test curves.

There are no extra credit opportunities in this course.

ACADEMIC INTEGRITY: I, and UNT expects you to maintain the highest academic integrity. Remember, honor is your heritage, protect it. Suspicious behavior observed during exams will assumed to be cheating, and the student will receive a zero on the exam. Repeated lapses in academic integrity presumed to be cheating will be referred to the Dean of Students, which may result in disciplinary action, including removal from the course. Suspicious behavior includes, but is not limited to, copying from another student's test, using external materials such as a text or notes during a test, and communicating with someone during a test. UNT Policy 06.003 / http://policy.unt.edu/policy/06-003. **A VISIBLE CELL PHONE DURING AN EXAM WILL RESULT IN A ZERO ON THAT EXAM.**

DISABILITY ACCOMODATION: In accordance with Section 504 of the federal Rehabilitation Act of 1973 and the ADA of 1990, UNT endeavors to make reasonable adjustments in its policies, practices, services, and facilities to ensure equal opportunity for qualified persons with disabilities to participate in all educational programs and activities. Students seeking reasonable accommodation must first register with the Office of Disability

Accommodation (ODA) to verify eligibility. This should be done as early as possible to avoid delay in implementation. If it is found that you need an ADA / ODA accommodation, contact me after via email to set up an in-office appointment by the 12th day of class. ODA website is http://www.unt.edu/oda. The phone number is 940-565-4323.

SUGGESTIONS: Do not let material build up. Do not binge study lectures. Review and study lectures as they are presented. Do not be shy, ask questions in class or via email for clarification, or use office hours. Most (all) test questions will come from lecture material. The class is run in an informal manner, relax. It is difficult to do well in this course unless you attend all the lectures. I stress to you --- **attendance matters**. History tells us that students that do not attend this class do not do well.

General email Guidelines:

- Always use your UNT email or Canvas address to reach me.
- Proper email etiquette should be followed when communicating with me and class members
- Be professional, email NO EMAIL YELLING
- Be cautious when using humor or sarcasm in emails
- Be careful with personal information (yours and others)
- Do not send confidential information

IMPORTANT CLASS and EXAM DATES:

Make sure you know the academic calendar, including dates when you can drop the course, change to pass/fail, etc.

EXAM 1 September 15th
EXAM 2 October 9th
EXAM 3 November 6th
EXAM 4 Saturday, December 9th at 8:00am to 10:00am

Exam dates may change depending on how fast or slow we cover the material. However, I promise exam dates will never be moved up, given earlier than the published date.

BIOLOGY 1720.013
BIOLOGY FOR SCIENCE MAJORS II
ANTICIPATED LECTURE OUTLINE

The lecture outline is divided into four sections. Each section is followed by an exam.

Section	Topic	Ch.	✘
1	Introduction and Syllabus / Pre-test		
1	Animal Body: Basic Form and Function	33	
1	Animal Nutrition and Digestive System	34	
1	Animal Nutrition and Digestive System	34	
1	The Circulatory System	40	
1	The Circulatory System	40	
1	The Respiratory System	39	
1	The Musculoskeletal System	38	
1	Animal Reproduction and Development	43	
1	Animal Reproduction and Development	43	
1	Catch Up / Review		
1	Exam 1 September 15		
2	The Endocrine System	37	
2	The Nervous System	35	
2	The Nervous System	35	
2	Sensory Systems	36	
2	Osmotic Regulation and Excretion	41	
2	Osmotic regulation and Excretion	41	
2	The Immune System	42	
2	The Immune System	42	
2	Catch Up / Review		
2	Exam 2 October 9		
3	Virus	21	
3	Spring Break		
3	Prokaryotes: Bacteria and Archaea	22	
3	Protists and Fungi	23, 24	
3	Plant Diversity	25, 26	
3	Plant Form and Physiology	30	
3	Plant Form and Physiology	30	
3	Plant Soil and Nutrition	31	
3	Plant Reproduction	32	
3	Plant Reproduction	32	
3	Catch Up / Review		
3	Exam 3 November 6		
4	Ecology and the Biosphere	44	

4	**Ecology and the Biosphere**	**44**	
4	**Population and Community Ecology**	**45**	
4	**Population and Community Ecology**	**45**	
4	**Ecosystems**	**46**	
4	**Conservation Biology**	**47**	
4	**Conservation Biology**	**47**	
4	**Catch Up / Review**		
4	**Reading Day**		
4	**Exam 4 Saturday December 9 @ 8:00am**		