

## COURSE SYLLABUS

### BIOLOGY FOR SCIENCE MAJORS: Biology 1720.013– Fall 2021

**INSTRUCTOR:** Art Goven  
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**LECTURE LOCATION:**  
Denton, LSC-A, Lecture Room 104

**LECTURE TIME:**  
**Monday / Wednesday / Friday 11 to 11:50 am**

Each lecture will contain approximately an hour of material. Attendance is required; however, roll will not be taken, but pop quizzes may be given.

#### **EMAIL and OFFICE HOURS:**

**Denton Campus:** T / Th 11 am to 12 noon and M /W /F 9 -10:00 am 12:30 pm – 2 pm.

**Office hours are best by appointment** as I have three classes 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. Contact me by email to schedule an appointment. Appointments can be in person, by telephone, or by Zoom.

#### **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 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 and to make a copy to use in note taking.

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.

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. **These are easy points so do not miss quizzes.**

**EXAMS:** Four (4) lecture exams will be given. Each exam 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. The final grade will be calculated using the points earned on the four (4) exams plus points earned on quizzes. Test 4 is not comprehensive.

**MISSED EXAMS:** Exams may only be missed under extenuating circumstances. No make-up exams will be given without a valid evidence detailing the circumstances. Make-up exams must be arranged as soon as possible, preferably before the missed exam. 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.

**FINAL GRADE:** 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 = 90% or higher = 405 to 450 points**

**B = 80% to 89% = 360 to 404 points**

**C = 70% to 79% = 315 to 359 points**

**D = 60% to 69% = 270 to 314 points**

**F = less than 60% = 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.

## **TEST AND FINAL GRADE 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 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.

**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>.

**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 12<sup>th</sup> 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 Thursday, September 20th**

**EXAM 2 Thursday, October 13th**

**EXAM 3 Thursday, November 8th**

**EXAM 4 Thursday, December 13<sup>th</sup> at 10:30 am**

**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.**

### **COVID RELATED SYLLABUS STATEMENTS:**

#### **Face Mask Encouraged:**

UNT encourages everyone to wear a face covering when indoors, regardless of vaccination status, to protect yourself and others from COVID infection, as recommended by current CDC guidelines. Face covering guidelines could change based on community health conditions.

#### **Attendance Syllabus Statement:**

Students are expected to attend class meetings regularly and to abide by the attendance policy established for the course. 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](mailto: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](mailto:COVID@unt.edu) for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure.

#### **Remote Lecture possibilities:**

Remote instruction may be necessary if community health conditions change, or you need to self-isolate or quarantine due to COVID-19. Students will need access to a webcam and microphone to participate in fully remote portions of the class. Additional required classroom materials for remote learning include MP4 to play lecture recordings, reliable internet service, lockdown browser and Respondous Monitor installed on your computer. Information on how to be successful in a remote learning environment can be found at <https://online.unt.edu/learn>.

If community health conditions make it necessary, synchronous (live) sessions in this course will be recorded for students enrolled in this class section to refer to throughout the semester. Class recordings are the intellectual property of the university or instructor and are reserved for use only by students in this class and only for educational purposes. Students may not post or otherwise share the recordings outside the class, or outside the Canvas Learning Management

System, in any form. Failing to follow this restriction is a violation of the UNT Code of Student Conduct and could lead to disciplinary action.

Materials used in connection with this course may be subject to copyright protection. Materials may include, but are not limited to documents, slides, images, audio, and video. Materials in this course Canvas site are only for the use of students enrolled in this course, for purposes associated with this course, and may not be retained for longer than the class term. Unauthorized retention, duplication, distribution, or modification of copyrighted materials is strictly prohibited by law. For more information, visit the [UNT Policy Office \(Links to an external site.\)](#) or [Copyright.gov \(Links to an external site.\)](#).

## **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**

<b>Day and Time</b>	<b>Topic</b>	<b>Ch.</b>	<b>X</b>
<b>M August 23</b>	<b>Introduction and Syllabus</b>		
<b>W August 25</b>	<b>Animal Body: Basic Form and Function</b>	<b>33</b>	
<b>F August 27</b>	<b>Animal Nutrition and Digestive System</b>	<b>34</b>	
<b>M August 30</b>	<b>Animal Nutrition and Digestive System</b>	<b>34</b>	
<b>W September 1</b>	<b>The Circulatory System</b>	<b>40</b>	
<b>F September 3</b>	<b>The Circulatory System</b>	<b>40</b>	
<b>M September 6</b>	<b>Holiday</b>		
<b>W September 8</b>	<b>The Respiratory System</b>	<b>39</b>	
<b>F September 10</b>	<b>The Musculoskeletal System</b>	<b>38</b>	
<b>M September 13</b>	<b>Animal Reproduction and Development</b>	<b>43</b>	
<b>W September 15</b>	<b>Animal Reproduction and Development</b>	<b>43</b>	
<b>F September 17</b>	<b>Catch Up / Review</b>		
<b>M September 20</b>	<b>Exam 1</b>		
<b>W September 22</b>	<b>The Immune System</b>	<b>42</b>	
<b>F September 24</b>	<b>The Immune System</b>	<b>42</b>	
<b>M September 27</b>	<b>The Endocrine System</b>	<b>37</b>	
<b>W September 29</b>	<b>The Nervous System</b>	<b>35</b>	
<b>F October 1</b>	<b>The Nervous System</b>	<b>35</b>	
<b>M October 4</b>	<b>Sensory Systems</b>	<b>36</b>	
<b>W October 6</b>	<b>Osmotic Regulation and Excretion</b>	<b>41</b>	
<b>F October 8</b>	<b>Osmotic regulation and Excretion</b>	<b>41</b>	
<b>M October 11</b>	<b>Catch Up / Review</b>		
<b>W October 13</b>	<b>Exam 2</b>		
<b>F October 15</b>	<b>Virus / Prokaryotes: Bacteria and Archaea</b>	<b>21, 22</b>	
<b>M October 18</b>	<b>Protists / Fungi</b>	<b>23, 24</b>	
<b>W October 20</b>	<b>Prokaryotes: Bacteria and Archaea</b>	<b>24</b>	
<b>F October 22</b>	<b>Plant Form and Physiology</b>	<b>30</b>	
<b>M October 25</b>	<b>Plant Form and Physiology</b>	<b>30</b>	

<b>W October 27</b>	<b>Plant Soil and Nutrition</b>	<b>31</b>	
<b>F October 29</b>	<b>Plant Soil and Nutrition</b>	<b>31</b>	
<b>M November 1</b>	<b>Plant Reproduction</b>	<b>32</b>	
<b>W November 3</b>	<b>Plant Reproduction</b>	<b>32</b>	
<b>F November 5</b>	<b>Catch Up / Review</b>		
<b>M November 8</b>	<b>Exam 3</b>		
<b>W November 10</b>	<b>Ecology and the Biosphere</b>	<b>44</b>	
<b>F November 12</b>	<b>Ecology and the Biosphere</b>	<b>44</b>	
<b>M November 15</b>	<b>Population and Community Ecology</b>	<b>45</b>	
<b>W November 17</b>	<b>Ecosystems</b>	<b>46</b>	
<b>F November 19</b>	<b>Ecosystems</b>	<b>46</b>	
<b>M November 22</b>	<b>Conservation Biology</b>	<b>47</b>	
<b>W November 24</b>	<b>Conservation Biology</b>	<b>47</b>	
<b>F November 26</b>	<b>Holiday</b>		
<b>M November 29</b>	<b>Catch Up</b>		
<b>W December 1</b>	<b>Catch Up / Review</b>		
<b>F December 3</b>	<b>Reading Day</b>		
<b>M December 6</b>	<b>Exam 4 10:30 am to 12:30 pm</b>		