BIOL 1710-06 MWF, 9:05a – 9:55a

Instructor
Timothy Flewelen, Ph.D.
(He/Him)

Classroom/Times
TH 120 Lecture: MWF 9:05a – 9:55a

Office Hours
TR 10a-12p
Life Sciences B114
TR 12:30-1:30
LSRC HH266
940-369-7621
Email: Timothy.Flewelen@unt.edu

Lecture Materials:
Mastering Biology with eText Student Access Code for Campbell Biology
Pearson 25th Ed

Prerequisites:
For students preparing for advanced study in the biological sciences.

Number of Credits: 3

Course Description:
An integrated approach to cell and molecular biology with an emphasis on biological chemistry, cell structure and function, Mendelian and molecular genetics, evolutionary biology.

Course Objectives:
The objective of this course is to provide the student with a broad background inBiology that can serve as a prerequisite for higher level courses.

Class Expectations:

Golden Rule

Respect for others is vital. As a student, you are expected to work individually and with others, to create an atmosphere that is safe, valuing one another, and open to diverse perspectives. Everyone is expected to show courtesy, civility, and respect for one another.

Attendance is required at all lecture meetings.

Attendance will be taken in class. Makeup work will only be provided for University Excused Absences and must be arranged in advance. Students with medical absences must provide documentation within 1 week of the absence and will be reviewed on a case-by-case basis.

Attendance is mandatory for all exams. If a student is aware they will miss an exam due to an excused absence recognized by the University of North Texas, (observation of religious holiday, military service or wherein a student is representing the university in an official capacity,such as athletics or band), prior arrangements must be made to take the test **early**.

If you are absent due to illness or unexpected emergency, a make-up exam will be given for a justifiable, documented (by a medical professional) reason. Requests must go through the Dean of Students office. Additionally, you must E-mail me immediately before the exam.

Exception: The final exam must be taken on the assigned day. Do not plan to take the final exam early.

Homework.
Homework is through Pearson's "Mastering Biology" program. You will need to purchase this program through the bookstore or through Pearson directly. Homework assignments will be linked through Canvas.

Cell phones, pagers, and other electronic devices must be silenced during class meetings.
If such a device should ring during lecture, the student must leave class immediately and will be considered absent for the remainder of the period (including any quizzes, graded activities, or exams given that day).

Late work will not be accepted.
Be sure you understand the due dates for all activities. Contact your instructor or TA immediately and before the deadline if you encounter any technical problems. For exams, be in your seat 5 minutes prior to exam start time. At instructor's discretion, students arriving late may not be allowed to take the exam. You may not leave the exam and come back in.

Academic dishonesty policy:
Students are not to engage in any form of academic dishonesty including,but not limited to plagiarism, alteration of records, substitution of another's work for one's own, and knowingly assisting another student in engaging in any such activity. Academic dishonesty will be penalized according to University policy and will result in a failing grade for the course. I may use plagiarism detection software to enforce academic honesty. We have zero tolerance for academic dishonesty. Students found cheating may receive a "0" for the assignment and could be removed from the course and/or reported to the Dean of Students Office.

Unauthorized Aids During Examinations and Assessments.
Students may use only those materials and resources that are expressly authorized by the instructor for a particular examination or assessment. Touching, holding, or accessing any unauthorized aid during the examination period constitutes a violation of the Student Code of Conduct, regardless of whether the aid is used.
Any item that may be considered an unauthorized aid must be kept out of view and in a closed container (e.g. zipped backpack, buttoned purse, etc.) during the entirety of the examination or assessment. Unless specifically authorized in writing by the instructor, prohibited aids include, but are not limited to:
Mobile phones and smartphones
Smartwatches and fitness trackers with communication, recording, or internet capabilities
Tablets, laptops, and other computing devices
Earbuds, headphones, and other audio devices
Smart glasses, cameras, recording devices, and wearable technology
Artificial intelligence (AI) tools, chatbots, and other generative AI technologies
Notes, textbooks, study guides, formula sheets, or reference materials
Any other device, material, or resource not expressly permitted by the instructor
Students are responsible for clarifying any questions about permitted materials before the examination begins.

Accommodations for 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.

Use of AI

Limited Use is acceptable

Throughout the semester, you will or may use specific Generative AI (GenAI) tools for making study guides or study aids, with guidance on responsible use. GenAI can be helpful to save time making notes from lecture materials.

In accordance with the UNT Honor Code, unauthorized use of GenAI tools is prohibited. Using GenAI content without proper credit or substituting your own work with GenAI undermines the learning process and violates UNT academic integrity policy. If you're unsure whether something is allowed, please seek clarification.

Grading:
There will be four unit exams and one cumulative final exam.
The lowest grade from Exams 1, 2, 3, or 4 will be dropped.
You may not drop the cumulative final.

Your course grade will consist of the following elements:

20% Homework and Activities	100 points
20% Examination #1 (calculated from % correct out of 100 possible points)	100 points
20% Examination #2 (calculated from % correct out of 100 possible points)	100 points
20% Examination #3 (calculated from % correct out of 100 possible points)	100 points
20% Final Examination (calculated from % correct out of 100 possible points)	100 points
100% Overall	500 points

Grade in course:

Points	Percentage	Grade Letter grades assigned:
450+	90%+	A
400-449	80-89.9%	B
350-399	70-79.9%	C
300-349	60-69.9%	D
< 299	<60%	F

This course includes online learning components. To fully participate in this class, students will need internet access to reference content and quizzes on the Learning Management System

- ***Tentative schedule:***

Week	Date	Lecture Topic	Chapters Covered
1	8/17	Syllabus and Introductions	
	8/19	The Study of Life	1
	8/21	The Chemical Foundation of Life	2
2	8/24	The Chemical Foundation of Life	2
	8/26	The Chemical Foundation of Life	2
	8/28	Biological Macromolecules	3
3	8/31	Biological Macromolecules	3
	9/2	Biological Macromolecules	3
	9/4	Cell Structure	4
4	**9/7**	**No Class**	
	9/9	Viruses	18
	9/11	Viruses	18
5	**9/14**	**Exam 1**	**1,2,3,4,18**
	9/16	Structure and Function of PM	5
	9/18	Structure and Function of PM	5
6	9/21	Structure and Function of PM	5
	9/23	Metabolism	6
	9/25	Metabolism	6
7	9/28	Metabolism	6
	9/30	Cellular Respiration	7
	10/2	Cellular Respiration	7
8	10/5	Cellular Respiration	7
	10/7	Photosynthesis	8
	10/9	Photosynthesis	8
9	**10/12**	**Exam 2**	**5-8**
	10/14	Cellular Communication	9
	10/16	Cellular Communication	9
10	10/19	Cellular Reproduction	10
	11/21	Cellular Reproduction	10
	10/23	Meiosis	11
11	10/26	Genetics	12
	10/28	Genetics	12
	10/30	Modern Inheritance	13
12	11/2	Modern Inheritance	13
	11/4	DNA Structure and Function	14
	11/6	DNA Structure and Function	14
13	**11/9**	**Exam 3**	**9-13**
	11/11	Genes and Proteins	15
	11/13	Genes and Proteins	15
14	11/16	Gene Expression	16
	11/18	Gene Expression	16
	11/20	Gene Expression	16
15	**11/23**	**Thanksgiving Break**	
	11/27	**No Class**	
16	**11/30**	**Exam 4**	**14,15,16**
	12/2	Review	
	12/7	**Cumulative Final Exam**	**8 am - 10am All Chapters**
Week	**Date**	**Lecture Topic**	**Chapters Covered**

- *The instructor and the College reserve the right to modify, amend or change the syllabus (course requirements, grading policy, etc.) as the curriculum and /or program require(s).*

Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)

The University of North Texas (UNT) prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: my.unt.edu. All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail Eagle Connect (https://it.unt.edu/eagleconnect).

Student Evaluation Administration Dates

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the SPOT website (http://spot.unt.edu/) or email spot@unt.edu.

Survivor Advocacy

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct. Federal laws and UNT policies prohibit discrimination on the basis of sex as well as sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking and/or sexual assault, there are campus resources available to provide support and assistance. The Survivor Advocates can be reached at SurvivorAdvocate@unt.edu or by calling the Dean of Students Office at 940-5652648.

Important Notice for F-1 Students taking Distance Education Courses

Federal Regulation

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the Electronic Code of Federal Regulations website (http://www.ecfr.gov/). The specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph (f)(6)(i)(G).

The paragraph reads:

(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

University of North Texas Compliance

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in an on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course.

If such an on-campus activity is required, it is the student's responsibility to do the following:

(1) Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.

(2) Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office. ISSS has a form available that you may use for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email internationaladvising@unt.edu) to get clarification before the one-week deadline.

Student Verification

UNT takes measures to protect the integrity of educational credentials awarded to students enrolled in distance education courses by verifying student identity, protecting student privacy, and notifying students of any special meeting times/locations or additional charges associated with student identity verification in distance education courses.

See UNT Policy 07-002 Student Identity Verification, Privacy, and Notification and Distance Education Courses (https://policy.unt.edu/policy/07-002).

Academic Support & Student Services

Student Support Services

Mental Health

UNT provides mental health resources to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the nature of an issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

- Student Health and Wellness Center (https://studentaffairs.unt.edu/student-health-and-wellness-center)
- Counseling and Testing Services (https://studentaffairs.unt.edu/counseling-and-testing-services)
- UNT Care Team (https://studentaffairs.unt.edu/care)
- UNT Psychiatric Services (https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry)
- Individual Counseling (https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling)

Chosen Names

A chosen name is a name that a person goes by that may or may not match their legal name. If you have a chosen name that is different from your legal name and would like that to be used in class, please let the instructor know. Below is a list of resources for updating your chosen name at UNT.

- UNT Records
- UNT ID Card
- UNT Email Address
- Legal Name

**UNT euIDs cannot be changed at this time. The collaborating offices are working on a process to make this option accessible to UNT community members.*

Pronouns

Pronouns (she/her, they/them, he/him, etc.) are a public way for people to address you, much like your name, and can be shared with a name when making an introduction, both virtually and in-person. Just as we ask and don't assume someone's name, we should also ask and not assume someone's pronouns.

You can add your pronouns to your Canvas account so that they follow your name when posting to discussion boards, submitting assignments, etc.

Below is a list of additional resources regarding pronouns and their usage:

- What are pronouns and why are they important?
- How do I use pronouns?
- How do I share my pronouns?
- How do I ask for another person's pronouns?
- How do I correct myself or others when the wrong pronoun is used?

Additional Student Support Services

- Registrar (https://registrar.unt.edu/registration)
- Financial Aid (https://financialaid.unt.edu/)
- Student Legal Services (https://studentaffairs.unt.edu/student-legal-services)
- Career Center (https://studentaffairs.unt.edu/career-center)
- Multicultural Center (https://edo.unt.edu/multicultural-center)
- Counseling and Testing Services (https://studentaffairs.unt.edu/counseling-and-testing-services)
- Pride Alliance (https://edo.unt.edu/pridealliance)
- UNT Food Pantry (https://deanofstudents.unt.edu/resources/food-pantry)

Academic Support Services

- Academic Resource Center (https://clear.unt.edu/canvas/student-resources)
- Academic Success Center (https://success.unt.edu/asc)
- UNT Libraries (https://library.unt.edu/)
- Writing Lab (http://writingcenter.unt.edu/)