



BIO 111 Concepts of Biology

Kimberlee Blevins

UNITED TRIBES TECHNICAL COLLEGE

COURSE INFORMATION

Introduction to a wide range of biological topics, from the organism, ecology, and evolution to the cell, molecular biology, and genetics. This course is intended for non-Science majors.

Instructional Level: Associate Degree

Credits: 3

Total Hours: 45

Pre/Corequisites:

- Corequisite: LAB 111

CLASS INFORMATION

Section Number:

Term: Spring Year: 2024 Start Date: 1/8/2024 End Date: 5/3/2024

Delivery Mode: Online

INSTRUCTOR

Kimberlee Blevins

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Office Location: Science and Tech Building Office: 033

Office Hours:

Mon(9-10&12:30-3)/T(9-10:30&12:30-3)/W(9-10)/TH(2-330)

TEXTBOOKS

Simon, E. J. (2019). *Campbell Essential Biology (7th ed)*. Pearson. ISBN: 9780134765037

INSTITUTIONAL LEARNER OUTCOMES

Critical Thinking: Employ critical thinking skills in the processes used to identify and solve problems.

Quantitative & Scientific Reasoning: Develop solutions to mathematical and scientific problems.

COURSE OBJECTIVES

1. Understand how science informs cultural perspectives.
2. Understanding the relationship among levels of biological information.

3. Understanding the unity and diversity of life forms.
4. Comprehend methods of inquiry and technology and the applications for society.
5. Integrate knowledge and ideas in science.
6. Understanding and utilizing scientific knowledge.

A. GRADING SCALE

Grade	Percentage
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	Below 60%

B. COMMUNICATION

Email is the official means of communication at UTTC. Information Technology (IT) will assign all students an official UTTC email address. All correspondence from the College to the student will be sent to the student's UTTC email address. Students are expected to check their email regularly and are responsible for all information sent to them via their UTTC email address. Faculty expect students to use their official email address for all instructional purposes, including communicating with the faculty.

C. ATTENDANCE

Students at UTTC are expected to participate in all of their class sessions and are expected to communicate with their instructors regarding any emergencies that cause them to miss class. Regardless of the circumstances, the student is responsible for obtaining any information missed because of the absence and completing any outstanding assignments. The student may refer to the course assignments in [My.UTTC.edu](https://my.uttc.edu), contact another student enrolled in the course, or meet with the course instructor during office hours to get the missing information. Attendance is entered as "Present", "Absent-Unexcused", or "Excused" (college-sanctioned absences).

D. LATE ASSIGNMENT SUBMISSIONS

UTTC supports and fosters the student's responsibility for completing and submitting assignments on or before scheduled due dates and times. If an assignment is due, the student should make every effort to submit the assignment on time. Occasionally, a student may experience an unexpected life event that results in the submission of late work. Communication is the key. Instructors are more than willing to work with students in the event of an emergency if the student communicates with them before the date and time the assignment is due to make other arrangements.

Late assignment deadlines will vary among departments but will not exceed more than five (5) business days after which the assignment was initially due. Assignment due dates, late assignment deadlines, and late assignment penalties are outlined in course syllabi. Assignments not submitted by the initial deadline date will be reflected in the course gradebook as a zero (0) until the assignment has been submitted. The amount of points deducted for late work is at the discretion of the instructor. Assignments submitted via E-mail will not be accepted under any circumstances and will receive a grade of zero.

E. MISSED TEST, EXAMS AND QUIZZES (FORMAL ASSESSMENTS)

Students may not make up a missed test, exam or quiz without a valid reason for their absence (illness, family emergency). It is the student's responsibility to contact their instructors before the absence, or within 24 hours after missing the formal assessment. The instructor will review the reason the student missed and determine if the circumstance justifies the student being allowed to take the formal assessment. Approved make-up assessments must be taken outside of the student's regular class schedule and during a time and location agreed upon between the student and instructor. Students are not to miss another class in order to make-up an assessment for another course. If the student fails to show on the date and time of the makeup assessment, the student will not be permitted to reschedule the makeup and the assessment and will earn a 0% grade.

F. EARLY ALERT SYSTEM

UTTC's Early Alert System (EAS) is a proactive, communication driven support system that provides timely identification and interventions to work with individual students to assist in generating plans to overcome challenges to college success. The system assists UTTC students by linking them to faculty and staff who can provide and connect students to available resources and strategies. The early alert serves as an opportunity for students to take ownership of their success and empower them to accomplish academic and personal goals. The system helps faculty and academic advisors connect and communicate with students as issues arise. The additional cross-wide partnerships create a culture of collaboration focused upon the best interest of UTTC students.

Academic related concerns such as attendance, missing assignments, or classroom behavior will result in an early alert being issued by faculty. When an early alert is issued, the student will receive an email requesting them to make arrangement to follow up with the instructor and/or their academic advisor. Students receiving an early alert should make the necessary arrangements to set up and meet with faculty as soon as possible to generate a plan of success.

G. ACADEMIC HONESTY

Students are expected to complete their own work. Academic dishonesty includes plagiarism; cheating on assignments or examinations; engaging in unauthorized collaboration on academic work; taking, acquiring, or using course materials without faculty permission; submitting false or incomplete records of academic achievement; acting alone or in cooperation with another to falsify records or to dishonestly obtain grades, honors, awards, or professional endorsement; altering, forging, misrepresenting, or misusing an academic record; or fabricating or falsifying data, research procedures, or data analysis. Refer to [Academic Affairs policies](#) and procedures handbook for further information.

H. STUDENTS WITH DISABILITIES

United Tribes Technical College recognizes its responsibility for making reasonable accommodations to ensure there is no discrimination on the basis of a disability. The Disabilities Support Services coordinates reasonable accommodations,

support services, and appropriate referrals for the purpose of removing barriers and providing an equitable learning environment. If you have a disability, please contact the Disabilities Services (DS) office at (701) 221-1456 or email at dss@uttc.edu.

I. TITLE IX STATEMENT

Title IX is a federal civil rights law that prohibits discrimination on the basis of sex, including sexual harassment, rape and sexual assault. United Tribes Technical College is committed to upholding the law and standards that promote respect and human dignity in a safe environment. Sexual misconduct and relationship violence in any form violates UTTC's mission, cultural values, Student Code of Conduct, and may also violate federal and state law. If you or someone you know has been impacted by sexual assault, dating and domestic violence, stalking, or sexual exploitation, UTTC has resources available on the [Title IX website](#). you can find the appropriate resources on the UTTC campus and in the community

J. DIVERSITY AND EQUITY STATEMENT

United Tribes Technical College values diversity because it enriches the community and wealth of experiences that characterize a post-secondary education. Our students, faculty, and staff come from Tribal lands throughout the United States and Canada. The majority of our students come from the northern plains region of the country, with 70% representing the North Dakota tribes.

UTTC recognizes that diversity is about much more than race, ethnicity or geography. Because students from many Tribal nations are represented at UTTC, from a wide range of cultural and ethnic backgrounds, students are encouraged to share their own cultural practices, traditions, and beliefs in the classroom in an effort to build an inclusive and welcoming community for all individuals and one from which we can learn from one another. We believe engagement with diverse perspectives and ideas is critical to the education and growth of all people, and we value the unique experiences and viewpoints of all of our community members.

EQUITY STATEMENT

United Tribes Technical College (UTTC) believes that access to a high-quality education in an inclusive environment is the right of all individuals and imperative for the continued advancement of a strong democracy and workforce. Equity is ensuring that all students receive what they need to be successful through the intentional design of the college experience.

K. TECHNOLOGY REQUIREMENTS

To ensure that you are using the recommended personal computer configurations, please refer to the [minimal technology requirements](#).

ONLINE

ONLINE COURSE STRUCTURE

This course will be delivered entirely online through the United Tribes Technical College Learning Management System (LMS). You will use your my.uttc.edu account to login into the course from the my.uttc.edu webpage. In the LMS, you will access online modules, course materials, and resources. Learners will be guided by a course calendar that presents the dates in which modules will be opened and the deadline dates for each modules' assignments. Module assignments may consist of PowerPoints, lectures, comprehension questions, discussion room forums, quizzes, and written papers.

ONLINE PARTICIPATION

UTTC prepares students for the workforce by having high expectations for skills demonstrated in the learning environment that transfers into future employment. Students are expected to participate in all online activities as listed on the course calendar. Online learners should be actively engaged in responding to all discussion room questions. Highly reflective and critical thinking practices should be performed to ensure an accurate assessment of student learning is presented to the course instructor. · Following the dates and times due for initial responses and following responses to other online colleagues is essential and expected. · Each response should be respectful of the other learners. It is OK to disagree with others or your instructor. It is not OK to put others down for their opinions or ideas. · The online discussion room is similar to the face-to-face classroom discussion, only it happens asynchronously. In other words, the learners do not all have to be in the same place at the same time. Keep in mind the same courtesy and language rules that apply to a face-to-face classroom. · In an online discussion room, others might not read what you wrote in the attitude and tone you mean it to read. ALL CAPITAL LETTERS is the same as shouting online. Bold and italic lettering place emphasis on words. · You do not need to write in academic language, but you should proof your writing before you post it. · Your messages need to be clear. Remember, the use of humor can be a little tricky online because no one can see your body language. · ‘Off-color’ jokes are not acceptable. Attendance is taken by using your timely participation in the collaboration forum and submitting your assignments on time. Present +1Responding to the instructor’s posted question(s) by module deadline. Present +1 ... Responding to two peers postings by the posted deadline Present +1Submitting required assignments in coursework for the module by module deadline Absent -1not responding to the instructor’s posted question(s) by module deadline Absent -1not responding to two peers postings by the posted deadline Absent -1not submitting required assignments in coursework for the module by module deadline.

STUDENT BEHAVIOR IN THE ONLINE LEARNING ENVIRONMENT

UTTC students will conduct themselves in the classroom during class time in a responsible and respectful manner. Student behavior that interferes with learning in the online learning environment will not be tolerated. Please refer to the Netiquette expectations found in the online course. If an online learner demonstrates behavior that disrupts or interferes with online learning, an instructor reserves the right to request mediation by the academic department chair or an academic/personal counselor or to file a formal complaint subject to a student disciplinary hearing. See the Netiquette tab in your course.

PROCTORED EXAMINATIONS

UTTC has established guidelines and a process for proctored examinations. A proctor is an individual who has been approved by the College to monitor a student taking a test/exam. Online students will be informed in advance if proctored examinations are required for their online course. Please go to the Proctored Examination tab in your course to access the Proctor Application Form.

COURSE CALENDAR

Module/Week	Academic Topic Instructional Strategy	Support Materials, Book chapters, etc.	Assessment (Formative – Summative)
1	Welcome to Biology	Order Textbook	Discussion Forum

Jan 9 - 12	How to Study Biology		Weekly Reflection
2 Jan 15- 19	*No School 1/15 MLK	Chapter 1	Scientific Theory Quiz
	What is Biology? The Process of Science		Critical Thinking Diagram Weekly Reflection
3 Jan 22 -26	Periodic Table & Atoms Chemical Bonds Water & Acids & Bases	Chapter 2	Scientific Theory Quiz Critical Thinking Assignment Weekly Reflection
4 Jan. 29 – Feb. 2	Carbohydrates Lipids Proteins Nucleic Acids	Chapter 3	Scientific Theory Quiz Critical Thinking Diagram Weekly Reflection Exam 1
5 Feb 5 - 9	Tour of the Cell	Chapter 4	Scientific Theory Quiz Critical Thinking Diagram Weekly Reflection
6 Feb. 12 - 16	Energy & Enzymes Membranes Endomembrane System	Chapter 5	Scientific Theory Quiz Critical Thinking Assignment Quiz Weekly Reflection
7 Feb 19 - 23	*No School 2/19 President’s Day	Chapter 6	Scientific Theory Quiz
	Cellular Respiration		Critical Thinking Diagram Weekly Reflection
8 Feb 26 – Mar 1	Photosynthesis Fermentation	Chapter 7	Scientific Theory Quiz Critical Thinking Exam 2 Weekly Reflection
9 Mar 4 - 8	Midterm Grades Due 3/8	Chapter 8	Scientific Theory Quiz
	Mitosis Meiosis		Critical Thinking Diagram Weekly Reflection
Mar 11 – 15 Spring Break – No Classes			
10 Mar 18 - 22	Genetics	Chapter 9	Scientific Theory Quiz Critical Thinking Assignment

			Diagram Weekly Reflection
11 Mar 25 - 29	*No School 3/29 Good Friday	Chapter 10	Scientific Theory Quiz Critical Thinking Assignment Exam 3 Weekly Reflection
	DNA Central Dogma Viruses		
12 Apr 1 - 5	Evolution Natural Selection	Chapter 13	Scientific Theory Quiz Critical Thinking Assignment Weekly Reflection
13 Apr 8 - 12	Speciation Earth through time Classifications	Chapter 14	Scientific Theory Quiz Critical Thinking Assignment Weekly Reflection
14 Apr 15-19	Microbial Life Plants Animals	Chapter 15	Scientific Theory Quiz Critical Thinking Diagram Weekly Reflection
15 Apr 22 - 26	Review Presentation Prep		
16 Apr 29 – May 3	Finals Week		
	Final Presentation		
GRADES DUE	May 6th		