



BIOL 1409.088 TR – Introduction to Biology II (Online)

Course Syllabus: Fall 2023

“Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed.”

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This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description:

4 credit hours. Lecture/Lab

This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Lab activities reinforce these topics.

Note: Additional course fee(s) required.

Prerequisite(s): None

Student Learning Outcomes:

1. Define modern evolutionary synthesis, natural selection, population genetics, micro and macroevolution, and speciation.
2. Describe phylogenetic relationships and classification schemes.
3. Identify the major phyla of life with an emphasis on plants and animals, including the basis for classification, structural and physiological adaptations, evolutionary history, and ecological significance.
4. Describe basic animal physiology and homeostasis as maintained by organ systems.
5. Compare different sexual and asexual life cycles noting their adaptive advantages.
6. Illustrate the relationship between major geologic change, extinctions, and evolutionary trends.
7. Be able to discuss the role of conservation biology and the human impact on the biosphere.
8. Understand the major anatomic parts of human organ systems and their physiological importance.

Evaluation/Grading Policy:

Final grades will be calculated as follows:

A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = 0-59%

CONNECT HOMEWORK/QUIZZES	20%
Exams	40%
LABORATORY	25%
FINAL EXAM	15%

Connect Online Assignments:

Each chapter has an assigned Smartbook activity, chapter assignment, and chapter quiz to check your understanding of chapter topics and reading assignments. These are completed online in Connect which is accessed through blackboard. You will need to login to blackboard on the 1st day of the semester. Students will work at their own pace prior to due dates. Activities and Assignments are not timed. The chapter quizzes each consist of 20 questions with a 25 minute timer. Each assignment has a posted due date for completion.

Lecture Tests/Exams:

The lecture exams may include both objective questions (multiple choice, matching, etc.) over text materials, and readings as well as descriptive questions requiring detailed explanations over broad themes. Success on the exams is a function of anxiety regulation, test prep, study strategies, and studying for retention. Retention requires repetitions, which requires time! The 5 unit exams will be accessed through blackboard. They will be completed **online via Connect monitored by Proctorio**. Each exam is 100 questions worth 100 points with a 90 minute timer. Exams will not be made up for any reason as multiple days exist for students to complete the exams. **Exams will open on a designated dates at 12:30am and close at 11:59pm. The due dates are firm – no makeups for missed exams will be allowed.**

Lab Portfolio:

Lab Kits are required for online lab portion of the course. These are purchased through the NTCC bookstore. Each lab unit has a Lab Workbook (docx file) to download and complete while conducting the experiments at home. All supplies needed are provided in the kits other than common household items. Students will work on lab at their own pace prior to due dates. NOTE: Some labs take multiple days to complete! **The weekly Lab Workbooks (docx file) are always due at 11:59pm. These dates are firm – no makeups for missed labs will be allowed.**

Proctored Exams:

A comprehensive exam will be accessed through blackboard. It will be given **online via connect monitored by Proctorio**. Each exam is 200 questions worth 200 points with a 150 minute timer. **The Final Exam will open on Monday, Dec 11th and close on Wednesday, Dec 13th at 11:59pm. The Wednesday due date is firm – no makeups for missed exams will be allowed.**

Required Instructional Materials: Mader: Essentials of Biology, 7th ed with Connect Inclusive Access

Publisher: McGraw Hill

ISBN Number: Available through NTCC Bookstore

Required Instructional Materials: eScience Introductory Biology Version 2 Lab Kit 1214

Publisher: eScience

ISBN Number: Available through NTCC Bookstore

Optional Instructional Materials: none

Minimum Technology Requirements:

- Internet capable desktop, laptop, or chromebook (Tablets/ipads/Phones not recommended)
- Microsoft Office for Lab Workbook in Microsoft Word
- Video conferencing capability with webcam and microphone using Zoom
- Access to printer if hard copies of assignments are desired

Required Computer Literacy Skills: Blackboard; Microsoft Office; Zoom

- Web browsing skills for working with the online homework system
- Ability to use Blackboard for access to course information and assignments
- Functional use of Microsoft Office and ability to insert images into word docs
- Ability to use camera and microphone for video and sound in zoom
- Competent and professional emailing skills
 - Emails should have the following format in subject line: Last Name, First Name -Course ID
 - Example: Tahtamouni, Emad - BIOL 1406.001

Student Expectations:

- Adhere to Classroom Etiquette including Zoom Virtual Classroom (see addendum in Blackboard)
- Adhere to Proctored Exam Etiquette (see addendum in Blackboard)
 - Proctored exams are monitored by McGraw Hill through Connect with Proctorio
 - Students will be recorded in the following ways during proctored exams:
 - Video, Audio, Screen, and Environment
 - Testing Violations from all recordings will be reported by Proctorio

Communications: Turnaround time for email responses is 24 hours during workweek.

NTCC email is the official form of communication used by the college.

Institutional/Course Policy: Withdraw Date

The last day to withdraw from the course in **November 21**. Discontinuing with the course without officially dropping the course by this date will result in a grade earned, in most instances an “F”. A stoppage in attendance does not equate to dropping the course.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements:

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC’s website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information. Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Academic Calendar 2023 – 2024

2023 Fall Semester

Faculty/Staff In-Service	Monday, August 21 – Thursday, August 24
First Class Day (16-week, 1 st 8-week, 1 st 5-week sessions)	Monday, August 28
Fall Census (1 st 5-week session)	Thursday, August 31
Late Registration Ends	Friday Noon, September 1
Labor Day	Monday, September 4
Fall Census (1 st 8-week session)	Tuesday, September 5
Fall Census (16-week session)	Wednesday, September 13
Last Day to Withdraw with a Grade of "W" (1 st 5-week session)	Thursday, September 21
First Class Day (2 nd 5-week session)	Monday, October 2
Fall Census (2 nd 5-week session)	Thursday, October 5
Last Day to Withdraw with a Grade of "W" (1 st 8-week session)	Tuesday, October 10
First Class Day (2 nd 8-week session)	Monday, October 23
Deadline for Fall Graduation Application	Thursday, October 26
Last Day to Withdraw with a Grade of "W" (2 nd 5-week session)	Thursday, October 26
Fall Census (2 nd 8-week-session)	Monday, October 30
Final Day to Withdraw with a Grade of "W" (16-week session)	Tuesday, November 21
Thanksgiving Break	Wednesday – Friday, November 22-24
Last Day to Withdraw with a Grade of "W" (2 nd 8-week session)	Tuesday, December 5
Last Class Day (16-week session)	Thursday, December 7
Final Examinations	Friday, December 8 – Thursday, December 14
Fall Graduation	7:00 p.m., Friday, December 15
Offices Close at 12:00 p.m. for Holiday Break	Friday, December 22

BIOL 1409 ONLINE COURSE SCHEDULE

All 4 credit college courses require 9 hours of lecture work per week and 3 hours of lab course work per week. Online courses are no different except all 12 hours are completed on your own instead of having 6 weekly hours of class time. You may always work ahead but never behind.

Tentative Course Timeline for Fal 23:

(*note* instructor reserves the right to make adjustments to this timeline at any point in the term):

Online Lecture

Orientation/Syllabus

Syllabus Agreement Due
Syllabus Quiz Due 9/3/2021

CH 14 Darwin and Evolution

CH 14 Connect Due 9/15

CH 15 Evolution on a Small Scale

CH 15 Connect Due 9/15

CH 16 Evolution on a Large Scale

CH 16 Connect Due 9/15

EXAM 1 over CH 14-16 (available online Sep 16)

CH 17 Viruses, Bacteria, and Protists

CH 17 Connect Due 10/6

CH 18 Plants and Fungi

CH 18 Connect Due 10/6

CH 19 Animals

CH 19 Connect Due 10/6

EXAM 2 over CH 17-19 (available online Oct 7)

CH 22 Being Organized

CH 23 Transport Systems

CH 22 & 23 Connect Due 10/27

CH 24 Maintenance Systems

CH 25 Digestion & Nutrition

CH 24 & 25 Connect Due 10/27

EXAM 3 over CH 22-25 (available online Oct 28)

Online Lab

LAB 0 Getting Started

Lab Safety Contract Due 9/3

LAB 1 Intro to Science & LAB 2 Lab Safety

Lab 1 & 2 Workbooks Due 9/15

LAB 3 Taxonomy

Lab 3 Workbook Due 9/15

LAB 4 Bacteria & LAB 5 Protista

Lab 4 & 5 Workbooks Due 10/6

LAB 6 Fungi & 7

LAB 8 & 9 Plant Circulation & Reproduction

Lab 6, 7, 8, & 9 Workbooks Due 10/6

Lab 10 Workbook Due 10/6

LAB 10 and 11 Invertebrates & Vertebrates + Animal Structure

Lab 10 and 11 Workbook Due 10/27

LAB 12 Circulatory & Respiratory Systems

Lab 12 Workbook Due 10/27

CH 27 Control Systems

CH 28 Sensory Input & Motor Output

CH 27 & 28 Connect Due 11/10

CH 29 Sexual Reproduction

CH 26 Defenses Against Disease

CH 29 & 26 Connect Due 11/10

LAB 13 Sensory and Nervous Systems

Lab 13 Workbook Due 11/10

EXAM 4 over CH 26-29 (available online Nov 11)

CH 30 Ecology & Populations

CH 30 Connect Due 12/1

LAB 14 Ecology of Organisms

Lab 14 Workbook Due 12/1

CH 31 Communities & Ecosystems

CH 31 Connect Due 12/1

LAB 15 Ecological Interactions

Lab 15 Workbook Due 12/1

CH 32 Human Impact

CH 32 Connect Due 12/1

EXAM 5 over CH 30-32 (available online Dec 2)

FINAL EXAM over CH 14-19, 22-32 (available Dec 11 – Dec 13)

NOTE: CH 20 & 21 omitted; CH 26 out of sequence
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