



**NORTHEAST TEXAS**  
COMMUNITY COLLEGE

## Biology for Non-Science Majors I – BIOL 1308.088

Course Syllabus: Spring 2018

“Northeast Texas Community College exists to provide responsible, exemplary learning opportunities.”

**Instructor: Brian Duplechain**

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online

*The information contained in this syllabus is subject to change without notice.*

*Students are expected to be aware of any additional course policies presented by the instructor during the course.*

**Course Description:** Three Credit Hours. Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction.

### Required Textbook:

**Exclusive Access:** We have negotiated with the Publisher to obtain a discounted price for your lecture course materials. Your ebook and Connect Access Code are included with your tuition and will be available through Blackboard on the first class day. The materials are required for your class and essential in your success. If you also determine that you would like a print copy of your text in addition to your exclusive access loose-leaf copies will be available in the College Store at a discounted price. You may opt out of purchasing your materials from the College Store through the Census Date for the course. If you choose to opt out you will be responsible for purchasing your Connect Access Code from another vendor. You will receive a refund for the Exclusive Access if you opt out.

**Essentials of Biology E-text with Connect Plus**, Mader, 5<sup>th</sup> Edition, McGraw-Hill, ISBN 9781259948312

**Student Learning Outcomes:** Upon successful completion of this course, students will:

1. Apply scientific reasoning to investigate questions, and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.
2. Use critical thinking and scientific problem solving to make informed decisions in the laboratory.
3. Communicate effectively the results of scientific investigations.
4. Distinguish between prokaryotic, eukaryotic, plant and animal cells, and identify major cell structures.
5. Identify stages of the cell cycle, mitosis (plant and animal), and meiosis.
6. Interpret results from cell physiology experiments involving movement across membranes, enzymes, photosynthesis, and cellular respiration.
7. Apply genetic principles to predict the outcome of genetic crosses and statistically analyze results.
8. Identify the importance of karyotypes, pedigrees, and biotechnology.
9. Identify parts of a DNA molecule, and describe replication, transcription, and translation.
10. Analyze evidence for evolution and natural selection.

**Lectures & Discussions:** This course covers chapters 1 through 16 in the textbook, Essentials of Biology. The following is a general time frame for each Unit and Chapter. This may change as the semester progresses.

Week 1-2: Unit I: Ch. 1-3

Week 3-4: Unit II: Ch. 4 & 5

WK 5-6: Unit III: Ch. 6 & 7

WK 7-10: Unit IV: Ch. 8-10

WK 11-13: Unit V: Ch. 11-13

WK 14-15: Unit VI: Ch. 14-16

WK 16: FINAL EXAM

**Evaluation/Grading Policy:**

Connect Homework/Quizzes = 30%

Unit Exams = 50%

Final Exam = 20%

Grading Scale

A = 100 – 90%

B = 89 – 80%

C = 79 – 70%

D = 69 – 60%

F = <59%

**Exams:**

Exam 1: DUE Feb 4<sup>th</sup>.

Exam 2: DUE Feb 18<sup>th</sup>.

Exam 3: DUE Mar 4<sup>th</sup>.

Exam 4: DUE Apr 1<sup>st</sup>.

Exam 5: DUE Apr 22<sup>nd</sup>.

FINAL EXAM: DUE May 4<sup>th</sup>.

**Student Responsibilities/Expectations:**

1. Schedule and plan to complete all lecture and laboratory assignments and submit them when they are due. Be sure to print off the calendar to help you keep up with assignment due dates.
2. Be sure to do all of your own work. Collusion and plagiarism are acts of academic dishonesty.

**ATTENDANCE POLICY:**

• Blackboard allows your instructor to monitor your participation in this course on a daily basis. While there is flexibility in the schedule, this is NOT an independent study course. Access to course materials follows the same time schedule as a traditional classroom, and students are expected to complete assignments by a specified date as indicated in the course calendar. Late lab reports will result in a deduction of 5% of the grade for each day past due.

At the first sign of trouble you should seek help immediately. I am happy to help you with any of your biology coursework. However, if you wait too long to seek help, there is a point where there is nothing I can do to help you.

Thursday, April 12<sup>th</sup> is the last day to withdraw from the course with a grade of “**W**”. If you stop participating in class and fail to officially withdraw, expect to earn a grade of “**F**” in the course.

**Other Course Requirements:**

**This is an online course in introductory biology.** Both lecture and laboratory study materials and assignments will be delivered through the Blackboard Learning Management System at NTCC. You are required to also purchase an eScience lab kit to complete the lab component of the course. Students should ensure that they have the appropriate hardware, software, and technical skills for completing all assignments, labs and tests.

**NTCC Academic Honesty Statement:**

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

**Academic Ethics:**

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Refer to the student handbook for more information on this subject.

**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 arrange an appointment with a college advisor to obtain a Request for Accommodations form. For more information, please refer to the NTCC Catalog or Student Handbook.

**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.