

Turtle Mountain Community College
BIOL 150A General Biology I/Lab
Fall 2015

Instructor: Blue, Stacie
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Biol150: 4 credit hours
Textbook: Campbell, N.A., J.B. Reece, L.A. Urry, M.L. Cain, S.A. Wasseran, P.V. Minorsky, R.B. Jackson. Biology. Tenth edition. Pearson Education, San Francisco. Fry Readability: College level
Prepared: 08/21/2015
Office Hours: Monday through Thursday willing to meet at main campus, need to set up time to meet. Friday 8:30 to 4:30pm at Anishinabe Wellness Center
Office Location: Anishinabe Wellness Center, Main Building Upper Level. I am willing to meet at main campus if needed.
Class/Lab Location: Main Campus, Room 101
Class Meets: Monday and Tuesday 2:30pm to 3:50pm and Wednesday 2:30pm to 4:20pm

Catalog Description: Biol150 – General Biology I/Lab – 4 credits – Prerequisite: None

The first semester of a two semester sequenced study of the fundamental topics of biology. This section is an introductory study of the scientific method, organic molecules, how living things obtain and use energy, the basic structure and function of cells, heredity, and other basic concepts.

Rationale: This course benefits all students with an interest in the study of life. It is intended for science majors as part of their program of study. It may also be used by non-science majors as a science-with-lab requirement.

Course Goals:

Knowledge: Students will have a firm understanding the organic molecules that make up life, the cellular structure and metabolism of living organisms, how living cells divide and communicate, the genetics of inheritance, and how organisms came to be and how they evolve.

Skills: Students will be able to see specimens through a compound-light microscope as well as grasp scientific concepts through experimentation.

Attitude: Students should leave this class with the attitude that biology is a dynamic subject that affects all life. Biology is the cornerstone of all the sciences. Even if a student is not interested in the sciences, one should appreciate that the sciences touch all facets of one's existence.

Method of Instruction:

This class is a lecture and lab course. During the lecture the instructor will use a PowerPoint presentation and white board to present the notes. Students will be given notes to follow along with the presentation. During the lab the instructor may use the white board, PowerPoint and/or follow along with a handout to present the lab assignment. The instructor will be with the students while they are doing the lab assignment.

NOTES: Notes will be posted on the **Canvas** BIOL 150 page.

**** Note on textbook:** The structure of the class has been designed around this text; however, information acquired from other resources may be included.

Requirements: Your grade is based upon the points you earn on quizzes, exams, and labs.

Class Procedures:

- Inform the instructor before missing any work to avoid late penalties!
- Make-up assignments may be given for good excuses, 2 page paper will be assigned for every lab missed.

Course Units: This course will cover Units 1-4 of the Campbell/Reece textbook. Not all chapters will be covered as thoroughly as others. This is subject to change.

Unit 1 The Chemistry of Life – Chapters 1-5

Unit 2 The Cell – Chapters 6-12

Unit 3 Genetics – Chapters 13-21

Unit 4 Mechanisms of Evolution – Chapters 22-25

Quizzes: The purpose of the quizzes is to determine if students understand the course content. Will be given on a weekly basis at the beginning of lab sessions. The quiz format will be multiple choice, short answer, and essay. I do not do make-up quizzes.

Exams: The format of exams will be multiple choice. The exams will not be comprehensive and will only encompass the unit preceding it. The exam dates may change. If a student misses an exam for an excused purpose the student has a week to take the exam or will be allowed to take it at the end of the semester.

Exam 1: Unit 1, Chapters 1-5	September 15th
Exam 2: Unit 2, Chapters 6-12	October 13th (Midterms Week)
Exam 3: Unit 3, Chapters 13-21	November 17th
Exam 4: Unit 4, Chapters 22-25	December 14 th (Finals Week)

Laboratory:

Wednesdays – 2:30pm to 4:20 pm, Room 101

Any issues pertaining to lab should be brought to my attention; this includes missing labs and make-ups.

Lab: NO FOOD OR DRINK in lab. Please do not bring your children to lab.

Missing Lab: If you choose to miss lab you are required to do a 2 page paper-12 font, double spaced, 1” margin, on a topic I choose, the paper will be do before the next lab to receive lab points.

Quizzes	10 quizzes @ 20 points	200 points possible (20%)
Exams	4 exams @ 100 points	400 points possible (40%)
Laboratory	10 Labs @40 points	<u>400 points possible (40%)</u>
TOTAL	POINTS	1000 total points possible

Grading Scale:

900-1000 points	A (90 - 100%)
800-899 points	B (80 - 89%)
700-799 points	C (70 - 79%)
600-699 points	D (60 - 69%)
0-599 points	F (0 - 59%)

Student Responsibilities:

- Inform the instructor BEFORE missing any work to avoid late penalties.
- Study often and early! There will be study guides available before every exam.

Study Tips:

- Read the textbook and take notes.
- It is the student's responsibility to ask the instructor for clarification of a topic.
- Writing notes often helps to understand the material better as well as being able to recall it for an exam. Make flash cards. Find a study buddy and quiz one another. Use highlighters or colored ink to clarify important facts.
- Don't fall behind and don't procrastinate! **Study often and early for exams.**

Attendance & Participation: Sixty-seven percent (67%) attendance is required at TMCC. Attendance at lab sessions is mandatory.

***If you are 20 minutes late for class you will be considered absent.**

Cultural content: Whenever possible, the instructor will use materials relevant to the local Native American culture and traditions.

Assessment: This is a general education class. Students will be conversant with the general knowledge outlined in the course goals. Students will be able to select and apply the techniques and procedures comparable to an equivalent general biology course throughout the NDUS system.

Email: Students are required to activate and use the TMCC email service.

Canvas: The syllabus and notes will be posted online for your continued use throughout the semester.

Disability/Access Statement: If you have emergency medical information to share with me, if you need special arrangements in case the building must be evacuated, or if you need accommodations in this course because of a disability, please contact me via email (sblue@tm.edu). If you plan to request disability accommodations, please meet with Tammy Morin, TMCC Counselor, 477-7862 ext. 2915.

Statement on Academic Honesty: Students are expected to maintain scholastic honesty. Scholastic dishonesty includes but is not limited to cheating on a test, plagiarism, and collusion. In the case of scholastic dishonesty, the instructor has the authority to act individually or to refer the case to the Dean of Academic Programs.

I look forward to a great semester of learning opportunities in Biology-the study of life.