

Course Prefix/Number/Title: BIOL 150 General Biology I

Number of Credits: 4

Course Description: The first semester of a two-semester sequenced study of the fundamental topics of biology at the level of the cell including: bioenergetics, cell structure, physiology principles, genetic function and inheritance.

Pre-/Co-requisites: None

Course Objectives: Demonstrate an understanding and proficiency in the following:

1. Understand cellular and viral structure and function.
2. Understand fundamental biochemical principles.
3. Understand rudimentary classical genetics
4. Understand rudimentary molecular genetics and have a familiarity with various DNA technologies
5. Use knowledge about mechanisms of cellular and molecular processes.

Instructor: Janelle Green

Office: NSC 113

Office Hours: MWF 8:00-9:00AM and 11:00AM-12:00PM

Phone: 701-228-5472

Email: [Janelle.a.green@ndus.edu](mailto:Janelle.a.green@ndus.edu)

Lecture/Lab Schedule: Online

Textbook(s): Connect Access Card with eBook. Biology. Raven, et al. 2019. 12<sup>th</sup> Edition. ISBN: 9781259188138

Course Requirements:

- A = 100-90%
- B = 89.5-80%
- C = 79.5-70%
- D = 69.5-60%
- F = below 59.5%

\*Please do not request bonus points, rounding of a grade, or a grade change. If there is opportunity for extra points you will be notified. If you have an 89.49 in Blackboard that does not constitute an 89.5.

Below is a table of course requirements. This is subject to slight modification based on the discretion of the instructor.

Lecture Requirements	Total
4 Exams	700
1 Final Exam	275
Reading Reviews	140
Chapter Assignments	1400
Labs	565
Quizzes	351
	3431

Tentative Course Outline:

**Lecture Outline**

Lecture	Assoc. Chapters
<b>Molecular Basis of Life</b>	Ch 1-4
Proctored Exam 1	
<b>Biology of the Cell</b>	Ch 5-8
Proctored Exam 2	
<b>Genetics</b>	Ch 10-12
Proctored Exam 3	
<b>Molecular Biology</b>	Ch 14,15,17
Exam 4	
Final Exam	

\*For a schedule of academic deadlines please reference the academic calendar on the DCB Website at: <https://www.dakotacollege.edu/academics/academic-calendar>.

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s):

Competency 1: Identifies the interrelationships between humans and their environment.

Learning Outcome 1: Applies scientific methods of inquiry.

Learning Outcome 3: Applies scientific information in everyday life.

Relationship to Campus Focus:

Class announcement/discussion on news items about technological developments in biology and how that influences the discipline as well as the societal aspects.

Covers DNA analysis, genetic engineering, and DNA fingerprinting

Knowledge on cell structure and function related to microscope development discussed.

Interject technological developments and how they influence scientific development and societal issues.

#### Classroom Policies:

- All exams require Connect Proctoring at the cost of the student. If Connect Proctoring flags your exam attempt for cheating, it will be reviewed by myself and a grading decision will then be made.
- All requests for absences need to be reported to me immediately. If you do not let me know why you have missed a class or discuss with me in advance your participation for that day will result in a ZERO. You need to make advanced arrangements with me—the SOONER THE BETTER. You need to speak with me if you know you will be gone so we can schedule make up assignments.
- **Missing Exam Policy:** There will be no make-up exams for those who do not inform me of their absences on exam days.
- **Blackboard Policy:** You are responsible for checking blackboard and doing coursework on blackboard for this class. If you do not do the assignments on blackboard you will get a ZERO for those assignments. Blackboard assignments must be completed by the time and date indicated by each assignment. No late assignments accepted. If you are going to be absent complete the assignment prior to your absence.
- **Electronic Device Policy:** . You cannot be wearing any smart technology during ANY exam.

#### Student Email Policy:

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the Campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

#### Academic Integrity:

According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

If you decide to cheat and/or plagiarize you will be given at minimum a ZERO for that assignment, test, or quiz and with more serious cheating/plagiarism you will need to meet with

Associate Dean for Academic and Student Affairs. If there is a second incident the student will receive a ZERO in the course.

#### Disabilities or Special Needs:

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

You must inform me that you have testing accommodations THREE days prior to each exam. It is your responsibility to schedule your exam in the testing center for proctoring.

#### Title IX:

Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.