Biology 11 Course Outline

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**Welcome to Biology 11!** You have chosen a fun and exciting course to study! During the semester, you will study about the different concepts and ideas associated with life. We will start by examining Evolution and Taxonomy then start with the simplest organisms and work our way towards the more complex ones. By the end of the course, not only will you have a better understanding of how specific organisms work, but you will also gain a better appreciation for the interactive nature and complexity of life.

Biology is a scientific discipline that studies a great variety of organisms. It is widely accepted that a few major themes exist in biology, and the use of these can provide an organisational framework for studying biology the three themes for Bi 11 are: Unity and Diversity, Evolutionary Relationships, and Ecological Relationships

**Evaluation:**

Your overall grade in this course will be cumulative and based on (a) work done during the semester (80%) and (b) a cumulative final examination (20%). Each semester will include unit tests, quizzes, lab work, assignments and projects. The following is the percentage allocation for semester work:

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| --- | --- |
| **Units** |  |
| Ecology | 7% |
| Evolution and Taxonomy | 5% |
| Microbiology | 7% |
| Plant Biology | 8% |
| Animal Biology | 13% |

|  |  |
| --- | --- |
| Unit Evaluations (Test, Quizzes,) | 40% |
| Independent Study Unit | 10% |
| Term Project | 20% |
| Assignments, Labs  | 10% |
| Final Exam  | 20% |

**Effort/Work Habits**

Come prepared to class, keep work up to date, work cooperatively with all others in the class at all times and a G is yours.

**Expectations:**

**This is a senior science course.** You will need strong math skills and a good attitude towards learning. Come prepared to class. Late and incomplete assignments are unacceptable.

Tests and Quizzes: You must be present on evaluation days. If you miss a test, the test will be written on the day you return to class.

Assignments and Labs: It is important to be present for all class assignments as some can only be completed during class. All assignments must be handed in on or before the due date.

Remember: If you want it back on time, hand it in on time. Priority is given to work due that day.

 **Biology Class Rules!!! ☺**

1. All school rules apply in class. This is a BYOD class we will use your devices for research purposes. However, inappropriate use will see them confiscated for the remainder of the day.

2. Respect for others at ALL times. Think before you act, be helpful to others and be positive.

3. Come prepared and ready to learn. This includes bringing all necessary equipment and supplies (binder, loose-leaf paper, textbook, pens/pencils, agenda, etc.).

4. Attendance: It is your responsibility to make up any work missed. Parents, guardians, counselors and administration will be notified of habitual tardiness or absences.

5. Think safety: this is a lab environment. Equipment and chemicals can be potentially poisonous and dangerous. Be careful at all times, and report all incidents to the teacher immediately. Food is not allowed in the lab.\*

6. Assignments: This includes homework, labs, worksheets and projects. All assignments are due at the beginning of class.

7. Tests and Quizzes: These will be given on a regular basis. Content will be based on materials from class notes, textbook readings, labs and assignments. Regular study and review is a must.

8. Cheating and Plagiarism: Students are expected to show independent learning and complete all of their OWN work.

# Course Outline – Exam Schedule

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| Topics | Chapters Covered | Exam Date |
| Adaptation, Evolution, Taxonomy | 15, 16, 17 | Thursday, September 19th |
| Viruses, Monerans, and Protista | 19, 20 | Friday, October 4th |
| Mycology, Algae, Mosses and Ferns | 21, 22 | Thursday, October 24th |
| Gymnosperms and Angiosperms | 22,23,24,25 | Friday, November 8th |
| Porifera, Cnideria, and Unsegmented Worms | 26, 27 | Friday, November 29th |
| Mollusks, Annelids, and Echinoderms | 27, 28 | Friday, December 13th |
| Arthropods and Chordata- Vertebrata | 28 - 33 | Friday, January 10th |
| Ecology | 3-5 | Wednesday, January 22nd |
| **Final Exam** |  | **Formal Exam Week** |

Unit Exam dates are subject to change.