

# Biology 112 Course Outline for 2010

**Teacher** - Mr. Bremner

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**Location** - Room 4134

## General Rules:

- 1) Respect others, yourself, and the environment around you (i.e. classroom)
- 2) Be on time and ready to work
- 3) Bring a positive attitude to class
- 4) Follow the classroom rules displayed around the room

## Required Materials

- Pens/Pencils
- Binder with loose-leaf or a Duo-tang with loose leaf
- Textbook
- Other material may be required throughout the course

## Topics to be Covered:

### *Unit 1: The Cell (~5 weeks)*

- The following are topics that we will cover while examining the cell:
  - Cell Theory
  - Microscope Techniques
  - Organelles and their Functions
  - Photosynthesis and Cellular Respiration
  - Cell Membranes

### *Unit 2: Biodiversity (~7 weeks)*

- The following are topics that we will cover while looking at biodiversity:
  - Principles of Taxonomy
  - Characteristics of the major groups of organisms
  - Plants
  - Animals
  - Biodiversity of ecosystems

### *Unit 3: Maintaining Dynamic Equilibrium (~6 weeks)*

- The following topics will be looked at in detail while examining equilibrium:
  - Homeostasis
  - Circulatory System
  - Respiratory System
  - Digestive System
  - Excretory System

**Course Evaluation:**

*Tests/Quizzes – 40%*

*Labs/Assignments – 20%*

*Midterm – 10%*

*Exam – 30%*

Please note that any late assignments will be docked 20% per day. Weekend days will count so if an assignment is due on Friday and is handed in on Monday then it will be docked 60% of the final mark of the assignment.

**Absences:**

If a student is absent they must do the following:

- Bring a note from their parent/guardian explaining the absence
- Get caught up on missed material on their own time
- Be prepared to write any upcoming tests/quizzes
- If a student was absent on a test day they will write the test the first day back after school
- If a student knows they will be absent on a test day they must give notification well in advance and will be expected to make arrangements to write the missed test

**Tests/Quizzes:**

Students will be given enough notification of when tests will be occurring. Students should be expected to write a quiz at any time though. The quizzes that will be given will be similar to warmups conducted in some math classes in the school. This will serve to keep students studying the material and making sure they understand the material when it comes to test time.

**Extra Help:**

Extra help will be available upon request. Students must make arrangements for help either during the lunch hour when I am available or after school.

If you have any questions about anything in the course do not be afraid to ask. We are here to learn after all, and to have fun while doing so.