

Environmental Science 122 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: Introduction to Environmental Science

- The following topics will be covered in this unit
 - Environmental Science: A Global Perspective (Chapter 1)
 - Living Things in Ecosystems (Chapter 2)
 - How Ecosystems Work (Chapter 3)
 - Kinds of Ecosystems (Chapter 4)
 - Biodiversity (Chapter 10)
 - Toward a Sustainable Future (Chapter 14)

Unit 2: Sustainable Development

- The following topics will be covered in this section. Some topics may be removed if time does not permit full coverage. Parts of Chapter 14 will also be covered.
 - Food (Chapter 9)
 - Population (Chapter 13)
 - Water (Chapter 5)

Unit 3: Pollution

- The following topics will be covered in this section. Some topics may be removed if time does not permit full coverage
 - Water (Chapter 5)
 - Atmosphere (Chapter 6 and 7)
 - Soil (Chapter 8)

Unit 4: Resources

- The following topics will be covered in this section. Some topics may be removed if time does not permit full coverage
 - Endangered Resources (Parts of Chapter 11)
 - Endangered Species (Independent Work)
 - Endangered Spaces (Independent Work)

Environmental Impact Assessment (EIA)

For 7 weeks of this course you will be conducting an Environmental Impact Assessment. You will be assessing the growth of bean plants while exposing them to various concentrations of salt solutions. As part of this assessment you will be required to do group work independently of the class. More information will be handed out on this assessment as the start date approaches.

Course Evaluation:

Tests/Quizzes – 25%

Labs/Assignments – 25%

Environmental Impact Assessment – 10%

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.