

Environmental Studies 120



- Instructor** – Trevor Gallant
Email – trevor.gallant@nbed.nb.ca
Location – Room 246
Extra Help – Weekday mornings from 8:00 to 8:40

Assessment Plan

Unit 1 - Review of Ecology	5%
Unit 2 – Populations	13%
Unit 3 Production and Distribution of Food	13%
Unit 4 Water Resources and Pollution	13%
Unit 5 Municipal Solid Waste	13%
Unit 6 Energy	13%
Final Exam	30%

Late Assignments

Students cannot turn in assignments which are formative in nature once a summative assessment has been collected. Special circumstances must be discussed in person between the teacher and student.

Students must complete all major assessment components in each of their five courses and be passing all courses in order to request an exam exemption.

Course Outline

Unit 1 Review of Ecology

- Principles of Sustainability
- Overview of Major Environmental Issues

Unit 2 – Populations

- Population Concepts (including Pyramids of Biomass, Limits of Tolerance, Population Balance)
- Global Human Population History and Trends
- Effects of Growth in Developed and Developing Nations
- Population Profiles and Demographic Transition
- Addressing the Human Population Problem

Unit 3 Production and Distribution of Food

- Agricultural History and Modern Changes
- Increasing Food Production
- Causes of Hunger
- Sustainable Agriculture

Unit 4 Water Resources and Pollution

- Human Impacts on Water
- Water Use
- Increasing Our Water Supply
- Pollution of Water

Unit 5 Municipal Solid Waste

- Historic and Current Waste Handling
- Reducing Waste Volume

Unit 6 Energy

- Conventional Fossil Fuels
- Conservation
- Alternative Fossil Fuels
- Climate Change and Global Warming
- Alternative and Renewable Energy Sources

Assignments

- All assignments **MUST** be typed.
- Students may complete assignments with a partner but must be prepared to be assessed individually.
- Assignments are to be handed in at the **beginning** of class on the day they are due. If it is not possible to submit an assignment in person by the due date, it can be emailed to me or submitted via OneNote.
- Students who are absent the day an assignment is due must pass it in on the first day they return.
- Assignments that are not passed in on the due date **OR** are not passed in at the beginning of class are considered to be late unless arrangements have been made beforehand.

Tests

- Tests will be written by all students on the day decided by the class. There are no make-up tests. Students who think they might need extra time to complete tests can begin at 8 am and can continue after school.
- All tests will consist of a multiple-choice section which students will complete individually, and a long response section which may be written in a group of up to three students. All parts of all tests are open book.
- If a student misses a test, s/he must bring a written excuse on the day s/he returns to school. There is no consequence for missing the test – a mark of “Omit” will be recorded.
- A student may miss only one test. If a second test is missed a mark of zero will be recorded.
- If a student needs to miss a test for some reason (a school event, compassionate circumstances, *etc.*), s/he must see me **BEFORE** the test is scheduled to be written so that alternate arrangements can be made.
- If a student writes every test, s/he can drop the worst score at the end of the semester.