

- It explores sustainability
- It also discusses global environmental problems with relevance to Kenyan ecosystems.

Objectives and expected outcomes of the course

- ✚ By the end of the this course the students will be able to Explain: the make up of environment; how the environment functions and How humans are part of the environment
- ✚ Explain how humans have played a deteriorating role to environmental degradation

Course layout

1. Introduction to environmental Science: This consist of:

- Environment and Science
- Cultural changes and the environment and Global environmental issues
- An overview of plant earth: Global commons

2. Basic ecological concepts: This will cover:

- Ecology and Ecosystems
- Biogeochemical Cycles ie the Hydrologic Cycle; The carbon Cycle and Global Climate Change
- Population Ecology and Human Population Issues

Course layout

3. Natural Systems and Resources

4. Managing Biological Resources

5. Finding Energy for Humanity

6. Finding food for Humanity

7. Sustainable Society

8 Features or characteristics of a sustainable society

Types of Environments

There are two types of environments

→ Man made/anthropogenic environment

- Man made environment is also referred to as anthropogenic environment .
- It is the environment that has been changed or modified by the interference of human beings.
- Man is modifying the environment according to his requirements without bothering about the consequences. Increased technology and population explosion are deteriorating the environment more and more

- Botany and zoology can provide information needed to preserve species
- Paleontology the study of fossils helps us understand how Earth's climate has changed in the past
- Using such information about the past helps us predict how future climate changes could affect life on Earth
- At any given time environmental sciences can use information provided by other sciences