

SCI 345C ▪ Ecology and Resource Conservation SYLLABUS

3 Hour Course

Description

A study of the interrelationships of organisms with their living and non-living environment; includes populations, communities, ecosystems, and biomes with an emphasis on biblical stewardship of the creation.

Objectives

At the conclusion of this course the student will:

1. Be familiar with the terminology of an ecological system.
2. Have surveyed his/her own environment.
3. Have examined the various energy sources.
4. Have discovered the importance of the Bible to ecology.

Materials

Bailey, Ronald, Editor, Global Warming and Other Eco-myths: How the Environmental Movement uses False Science to Scare us to Death. Roseville CA: Forum, 2002.

<http://amzn.to/mAIL1J>

New American Standard Bible. [This text is not required but is the translation that is reflected in the body of the course.]

Learning Experiences

1. Reading the textbook and doing the assignments
2. Describing an ecosystem
3. Filling in the blanks; small writing assignments; etc.
4. Writing an evaluation paper
5. Writing a 15 page position paper

Grading

Grading will be based upon the quality of the responses. Each unit will be given a value of 25%. See the academic section of the current catalogue for the grading scale.

Selected Bibliography

Milroy, Grant. "Biblical Ecology." Master of Ministry Thesis, University of St. Stephen, New Brunswick, Canada <http://users.auracom.com/gmilroy/thesis.htm>

Campollo, Tony. How to Rescue the Earth without Worshiping Nature. Nashville: Thomas Nelson Publishers, 1992.

Schaeffer, Francis. Pollution and the Death of Man. Wheaton: Tyndale House, 1970.

Ronald Bailey, editor, Global Warming and Other Eco-myths: How the environmental Movement uses False Science to Scare us to Death. Roseville CA: Forum, 2002. Journals published by the *Ecological Society of America*. Online abstracts are available but the full-text articles are only through subscription.

Ecological Applications
Ecological Monographs
Ecology
Bulletin of the Ecological Society of America
Frontiers in Ecology and Environment

Web-based sites:

www.insects.org

www.worldbiomes.com

<http://pubs.usgs.gov/gip/deserts/what/world.html>

www.epa.gov

www.graceu.edu

www.marshall.org

www.iea.org.uk