

Course Objectives/Course Outline
Spokane Community College

Course Title: Environmental Conservation

Prefix and Course Number: ENVS 104

Course Learning Outcomes:

By the end of this course, a student should be able to:

- identify natural resources and describe biological systems that govern them
- describe past and present management practices
- analyze conservation strategies for a variety of resource uses and make recommendations
- identify and describe alternative conservation practices
- explain regional and global resource issues

Course Outline:

- I. Introduction
 - A. History of the Conservation Movement
 - B. Land Uses and Resources
 - C. Biotic Pyramid and Plant Communities
 - D. Cycles
- II. Soils - Physical and Biological Properties
 - A. Uses of the Soil Resource
 - B. Threats to the Resource
- III. Water – Chemical, Physical and Biologic Properties
 - A. Quality and Quantity
 - B. Fresh Water Habitats and Riparian Areas
 - C. Wetlands
 - D. Fisheries
- IV. Agriculture – in the US and Globally
 - A. World Food Supply and Distribution
 - B. Potential Threats
 - C. Alternatives
- V. Forests
 - A. Management in the US
 - B. Global Forests
 - C. Use and Loss
 - D. Alternatives to Wood Products
- VI. Wildlife
 - A. Wildlife around the World
 - B. Management Principles
 - C. Conservation Biology and Genetic Diversity
 - D. T&E to the Present

- VII. Mining
 - A. Major Regions of the World
 - B. history
 - C. New Strategies.
- VIII. Air Quality
 - A. The Ozone Layer
 - B. Global Warming
 - C. Alternatives to Petroleum Fuels
- IX. Oceans
 - A. Zones and Populations
 - B. Threats and Alternatives
- X. Human Populations