**Course Overview:**

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| Unit | Topics | Approximate Time Frame |
| Unit 1: The Ecosystem | * Abiotic vs. Biotic Factors
* Trophic Levels
* Pyramids of numbers, energy, and biomass
* Biomes
* Limiting Factors
* Carrying Capacity
* Nutrient Cycling
* Succession
* Techniques for assessing environmental change
 | 6 weeks |
| Unit 2: Human Population and Resource Use | * Growth curves
* Predicting population growth
* Renewable, replenishable, and non-renewable resources
* Sustainability
* Soil systems
* Water resources
* Food resources
* Limits to human population growth
* Ecological footprint
 | 6 weeks |
| Unit 3: Conservation and Biodiversity | * Biodiversity in ecosystems
* The influence of evolution on biodiversity
* Conservation of biodiversity
 | 1 week |
| Unit 4: Pollution Management | * Sources of pollution
* Point source vs. non-point source
* Biotic Indexes
* Eutrophication
* Depletion of the ozone layer
* Acid Precipitation
 | 2 weeks |
| Unit 5: Global Warming | * Causes and Solutions
* The Debate
 | 1 week |