

Online Environmental Science Course Materials

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The Habitable Planet: A Systems Approach to Environmental Science

<http://www.learner.org/courses/envsci/index.html>

The Habitable Planet is a multimedia course for high school teachers and adult learners interested in studying environmental science. The web site provides a downloadable guide, online textbook, interactive teaching and learning tools, and video on demand. Each of the programs in the series includes two case studies featuring the work of top scientists in the field. *Units:* Many Planets, One Earth; Atmosphere; Oceans; Ecosystems; Human Population Dynamics; Risk, Exposure, and Health; Agriculture; Water Resources; Biodiversity Decline; Energy Challenges; Atmospheric Pollution; Earth's Changing Climate; Looking Forward: Our Global Experiment

National Repository of Online Courses: Environmental Science & AP Environmental Science

<http://www.montereyinstitute.org/nroc/nrocdemos.html>

NROC is a library of online courses for students and faculty in higher education, high school, and advanced placement. (Note: Both the ES and AP ES courses contain the same content.)

Environmental Science: This course is designed to acquaint you with the physical, ecological, social, and political principles of environmental science. The scientific method is used to analyze and understand the inter-relationships between humans and the natural environment. The course shows how ecological realities and the material desires of humans often clash, leading to environmental degradation and pollution. The course covers the following topics: Earth's Systems, Human Population Dynamics, Natural Resources, Environmental Quality, Global Changes, and Environment and Society.

AP Environmental Science: This curriculum covers all of the material outlined by the College Board as necessary to prepare students to pass the AP Environmental Science exam. This course is designed to acquaint you with the physical, ecological, social, and political principles of environmental science. The scientific method is used to analyze and understand the inter-relationships between humans and the natural environment. The course shows how ecological realities and the material desires of humans often clash, leading to environmental degradation and pollution. The course covers the following topics: Earth's Systems, Human Population Dynamics, Natural Resources, Environmental Quality, Global Changes, and Environment and Society.

Northwest Center for Sustainable Resources

<http://www.ncsr.org/>

NCSR is a national clearinghouse for natural resource curriculum materials used by college faculty and high school science teachers. The materials stress a science-based instruction approach to develop an accurate understanding of the principles of ecosystem-based resource management and sustainability and feature lecture-discussion, laboratory, and field-based teaching and learning approaches. Full courses and labs can be downloaded. *Instructional and Educational Materials:* Aquatic Field and Lab Methods I & II; Environmental Ethics; Environmental Science I & II & III; Geographic Information System; Introduction to Mammalogy; Principles of Wildlife Conservation; Many More Topics