

Energy and Environment

Balkan-Mediterranean Centre for Entrepreneurship and innovation

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Energy Future

Global Energy Business Air: Rational use, environmental pollution, risk management Water: Rational use, environmental pollution, risk management Soils - Rational use, environmental pollution, risk management



This module introduces the concepts of impact of energy issues on society, sources of energy, role of fossil fuels and issues of oil import

Topic 1: Energy Overview

Topic 2: Energy Sources

Topic 3: Energy
Conversion

Topic 4: Electric Power Technologies

Topic 5: Alternative Fueled Cars and Other Energy Issues This module is designed to introduce the issues of energy in the 21st century – including food and fuels – which are inseparably linked – and will discuss energy production and utilization from the biology, engineering, economics, climate science, and social science perspectives.

Topic 1: Future of
Physical Energy Sources
Topic 2: Biological Energy
Sources
Topic 3: Biofuel
Production and

Downstream Processing Topic 4: Social Issues, Economics, and Politics

Topic 5: Climate Change

Learn about diverse and integrated markets for primary energy, and the essential considerations driving business leaders and policy makers in development of global

Topic 1: Demand for Energy Topic 2: Energy Supplies and Market Allocations

energy resources.

Topic 3: Key Capabilities for Energy Business - Fossil Fuels

Topic 4: Key Capabilities for Energy Business -Alternative Resources Topic 5: Stakeholders and Political Considerations in the Energy Business Aims to provide general information for basics: emission sources, policy and limit values for some of the air pollutions. The implementation of newest and effective methodologies for calculation and determination of the air pollution concentrations and health risk.

Topic 1: Emission sources and air pollutants in the atmosphere

Topic 2: Air Quality Index Evaluations

Topic 3: Estimation of air pollutions in the atmosphere

Learn about characteristics of water resources and their use in the economic activity and the people's lifestyle. Topics of the course include important aspects as the functioning of geosystems and characteristics of water as a natural component.

Topic 1: Water as a component of the nature and resource
Topic 2: Water in the economy and households
Topic 3: Human impact on water resources
Topic 4: Key Capabilities for Energy Business Alternative Resources
Topic 5: Water legislation

Aims to provide general information on soil as a natural resource, and the implementation of new low-cost and effective methodologies for identification and characterization of two major soil threats - pollution and erosion.

Topic 1: Soils as natural resource

Topic 2: Heavy metals in soils Topic 3: Iron oxides in soils and their relevance to the geophysical methods applied in soil pollution and erosion studies

Topic 4: Principles and application of magnetometry for mapping soil heavy metal pollution

Topic 5: Estimation of soil erosion and re-distribution using magnetometry











