

## Curriculum

### SUSTAINABLE DEVELOPMENT

#### Subjects

- Greenhouse
- Goods
- Environmental impact
- Environment
- Energy
- NGO
- Transport
- Sustainability
- Services
- Prevention
- Legislation
- Contamination

#### **Module 1: Framing of goods, services, damages and environmental crimes**

##### Unit 1: Conceptual framing

Topic 1: Sustainability vs. Sustainability

Topic 2: Differences between both developments.

Topic 3: Comparative approaches.

Topic 4: Displacement of a paradigm.

Topic 5: Environmental, social and ecological sustainability.

##### Unit 2: Environmental goods and services

Topic 1: Conceptual framework, characteristics and classification.

Topic 2: Economic valuation of environmental goods and services.

Topic 3: Ownership, regulation and control.

Topic 4: Supply of environmental goods and services.

Topic 5: Payment of environmental services.

Topic 6: Study of ecosystem services.

Unit 3: Damages, crimes and environmental impact.

Topic 1: The framework of environmental law.

Topic 2: Comparative legislation.

Topic 3: Environmental damage.

Theme 4: Environmental crimes

Topic 5: Environmental impact.

Unit 4: Climate change and pollution:

Topic 1: Concepts: climate change, global warming, greenhouse effect and climatic changes.

Topic 2: Types of pollution, transport and control mechanisms.

Topic 3: Fight against pollution.

Topic 4: Pollution prevention policies.

Unit 5: Integrative work of Module 1

## **Module 2: Natural resources and sustainable economic development**

Unit 1: Natural resource management:

Topic 1: Conceptual framework.

Topic 2: Differentiated problems.

Topic 3: Integrated management of natural resources

Topic 4: Valuation of natural resources

Topic 5: Social management of natural resources and territory.

Unit 2: Renewable resources.

Topic 1: Energy resources.

Topic 2: Energy sources.

Topic 3: What are renewable resources?

Topic 4: Types of renewable energies.

Topic 5: Renewable materials

Topic 6: Growth and exploitation of resources

Unit 3: Non-renewable resources and diversified energies

Topic 1: Definitions.

Topic 2: Classification of non-renewable resources.

Topic 3: Theory about rational use of non-renewable resources.

Topic 4: Non-renewable resource vs. Exhaustible resource.

Topic 5: Oil, Gas, Coal and the environment.

Topic 6: Diversified energy matrix

Unit 4: Sustainable economic development:

Topic 1: Conceptual framework.

Topic 2: Population growth and its impact on the environment.

Topic 3: Introduction.

Topic 4: Sustainable economic development model.

Topic 5: Sustainable development and economic growth.

Unit 5: Integrative work of Module 2

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## Module 3: State, Companies and NGOs in sustainable cities

### Unit 1: Environmental Policies:

Topic 1: General concepts of public policies

Topic 2: Actors of public policies.

Topic 3: Citizen participation in environmental policies.

Topic 4: Sustainable Tourism Policies, Education Policies, Ecological Development, etc.

### Unit 2: Sustainable companies and businesses

Topic 1: Sustainable-Green Business.

Topic 2: Sustainable companies

Topic 3: Business plans: 10 responsible consumption businesses

Topic 4: The ILO and promotion of sustainable enterprises.

Topic 5: Actions to achieve business sustainability.

Topic 6: Corporate sustainability policies.

Topic 7: Business sustainability and quality

### Unit 3: NGOs and sustainability

Topic 1: Importance of NGO performance in environmental matters

Theme 2: NGO for sustainable local development.

Topic 3: Sustainable NGO cooperation with governments and companies.

Theme 4: NGO and biodiversity

Topic 5: Contributions of environmental NGOs to research.

### Unit 4: Sustainable and emerging cities:

Topic 1: Definitions, limitations, axes, actors, causes and solutions for a sustainable city.

Topic 2: Cities that lead urban sustainability.

Topic 3: How to manage an emerging city?

Topic 4: Model of sustainable cities.

Unit 5: Integrative work of Module 1

#### **Module 4: FINAL INTEGRATING WORK: ESSAY**

Unit 1: Presentation and idea and planning of essay.

Unit 2: Essay elaboration

Unit 3: Presentation of the Final Integrative Work and closing of the diploma course