

## **Education and Learning for the Environment and Sustainability in the Digital Age**

### **COURSE CONTENT:**

- 1. Fundamental Concepts, Principles, and Objectives of Environmental Education for Sustainability (EES)**
  - Core concepts of EES
  - Formal, non-formal, and informal education and learning for the environment and sustainability
  - Key characteristics of EES as an educational innovation
  - The ideological framework and principles of EES
  - EES in the modern Greek school system
  - The role and potential of EES in the contemporary digital era
- 2. Contemporary Environmental and Sustainability Issues**
  - Taxonomies of environmental problems
  - Development, quality of life, and sustainability in the modern digital world
  - Characteristics of environmental and sustainability issues
  - Case study analysis of specific issues
  - The digital challenge: contributing to both the creation and resolution of problems
- 3. Pedagogical Approaches and Teaching Methods for EES**
  - Learning about the environment and sustainability
  - Modern pedagogical approaches and their adoption in educational practice
  - Alternative methods and techniques for teaching environmental concepts and issues
  - Digital technologies, tools, and resources in service of teaching and learning for the environment and sustainability
- 4. Instructional Design and Development of EES Activity Scenarios**
  - Principles of instructional design for EES activities
  - Applications in formal and non-formal education for the environment and sustainability
  - Integrating digital media, tools, and open educational resources for added pedagogical value
  - Development of educational scenarios for EES