

# **BSE321 Ecological Literacy and Sustainability in Outdoor Education**

**Level:** 3

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JAN

## **Synopsis:**

BSE321 Ecological Literacy and Sustainability examines how ecosystems in the natural world collectively make up life on earth. Principles of ecological organization are discussed in relation to the creation and development of sustainable human society. Interaction between ecosystems and human activities are augmented to foster an appreciation of the world as an integrated whole rather than a collection of individual elements. The courses also examines the application of the theory and concepts of ecological literacy to practices of sustainable outdoor education. It also explores how outdoor education can be an ideal pedagogy to nurture eco-literacy and the development of sustainable lifestyles and communities.

## **Topics:**

- What is Sustainability?
- Impact of Human Activities
- Ecological Literacy
- Understanding Living Systems
- Biosphere and Ecosystems
- The Flow of Energy
- The Cycling of Matter
- Biodiversity and Resilience
- Dynamic Balance in Nature
- Developing Sustainable Communities
- Sustainability in Outdoor Education
- Developing Eco-Literacy through Outdoor Education

## **Textbooks:**

: Environmental Education for Sustainability (2019)

ISBN-13: 9781076432544

: Ecological Identity: Finding Your Place in a Biological World

ISBN-13: 9780996309455

**Learning Outcome:**

- Express personal philosophy of ecological literacy and sustainability.
- Illustrate patterns and processes in nature with common examples.
- Discuss the interrelatedness of matter, energy, and ecosystems, including important characteristics of living systems such as network, diversity, cycles, dynamic balance, etc.
- Analyse case studies or examples of sustainable practices or communities and identify the key principles at work.
- Apply theory and concept of ecological literacy to practices of sustainable outdoor education.
- Propose outdoor education that nurture eco-literacy and development of sustainable lifestyles and communities.

**Assessment Strategies (Evening Class):**

<b>Components</b>	<b>Description</b>	<b>Weightage Allocation (%)</b>
Overall Continuous Assessment	PRE-CLASS QUIZ 1	1.66
	PRE-CLASS QUIZ 2	1.67
	PRE-CLASS QUIZ 3	1.67
	TUTOR-MARKED ASSIGNMENT 1	15
	TUTOR-MARKED ASSIGNMENT 2	30
Overall Examinable Components	ECA	50
<b>Total</b>		<b>100</b>