

**DSE (II.4.2) Education for Sustainable Future  
Discipline Specific Elective**

**1. Credit Distribution of the Course**

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
<b>DSE (II.4.2)</b>						
<b>Education for Sustainable Future</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>Undergraduate</b>	<b>-</b>

**2. Learning Objectives**

This course presents the concept and need of sustainability and the role of education in promoting sustainable development. It examines sustainability challenges from a global perspective and the educational strategies to foster historical consciousness, environment awareness, social sensitivity, and economic resilience. The course emphasizes 21<sup>st</sup> century skills of critical thinking, ethical reasoning, problem-solving skills, and resilience for a sustainable future.

**3. Learning Outcomes**

- explain the concept of sustainability and the need of a sustainable future;
- able to understand the role of education in sustainable development;
- able to appreciate the need and scope of curriculum for a sustainable future;
- role of education in addressing environmental, social, and economic sustainability challenges;
- examine global and national policies related to sustainability in education;
- design educational interventions that promote sustainable living practices and responsible citizenship.

**4. Syllabus**

**Unit 1 Foundations of Sustainable Development (ESD):** Concept of sustainability and sustainable development; historical perspectives on sustainability in education; Sustainable Development Goals (SDGs) and role of education. **[15 hours]**

**Unit II Types of Sustainability:** Environmental sustainability; Economic sustainability; Social sustainability; Aims and objectives for sustainable future. **[8 hours]**

**Unit II Curriculum for Sustainability:** Diversifying curriculum around critical areas for interventions to achieve sustainable development goals; Pedagogical strategies to meet the curriculum needs; Practicing sustainability. **[15 hours]**

**Unit IV Policies and Practices for a Sustainable Future:** Global and national policies on Education for Sustainable Development (ESD). **[7 hours]**

### **5. Tutorial Details**

1. Conduct a survey of your any institution (energy use, plastic usage, water management, green spaces). Present findings as a report or infographic on sustainability issues. Include action suggestions and “green” alternatives. (Hands-on research and problem-solving)
2. Film a 3–5 minute video that explores a local sustainability issue (e.g., pollution, waste, loss of biodiversity) and proposes educational solutions. It can include: Interviews with community members or teachers, Field visits or observation clips and Builds real-world awareness and digital storytelling skills.

### **6. Essential Readings**

- Nikolopoulou A., Abraham T. & Mirbagheri F. (2018). *Education for Sustainable Development: Challenges, Strategies and Practices in a Globalizing World*, Sage Publication.
- UNESCO, MGIEP. (2017). *Textbooks for Sustainable development*.
- Filho, W.L. & Pace P. (Eds). (2016). *Teaching Education for Sustainable Development at University Level*, Springer.
- NCERT. (2005). *Education for sustainable*.

### **7. Suggestive Reading**

- UNESCO's. (2023). Education for Sustainable Development: A Roadmap.
- UNESCO's. (2023). Education for Sustainable Development for 2030 Toolbox.
- Jain, M., & Jain, S. (2012). *Education for sustainable development: A sourcebook for teachers*. Centre for Environment Education (CEE).
- *development*. National Council of Educational Research and Training.
- Tilbury, D., Stevenson, R. B., Fien, J., & Schreuder, D. (2002). *Education and sustainability: Responding to the global challenge*. IUCN.