

Introduction to Education for Sustainable Development (ESD)

Course Type

Breadth Elective for both UG & PG students 04 Credit: 3-1-0, No pre-requisites

Course Overview

Education is a human right and a force for sustainable development and peace. Every goal in UNESCO's '2030 Agenda' (17 Sustainable Development Goals-SDGs) requires education to empower people with the knowledge, skills and values to live in dignity, build their lives and contribute to their societies. While governments hold the main responsibility for ensuring the right to quality education, the '2030 Agenda' is a universal and collective commitment. It requires political will, global and regional collaboration, and active engagement of educational institutions, civil society, youth, corporate/private sector, and other multilateral agencies to tackle educational challenges and build systems that are inclusive, equitable and relevant to all learners/stakeholders. This course primarily aims at developing sustainability consciousness and awareness for achieving (SDGs for India) some of these goals among our students.

Course Objectives

Students would be able to understand UNESCO's Sustainable Development agenda, programme/s and its 17 goals (SDGs)

1. They would be able to understand and explain SDG 4- 'Quality Education for All'
2. They would be able to analyse how to use Education for Sustainable Development (ESD) to achieve SDG 4.7 and SDG 4.4
3. They would be able to relate 'Sustainable education' with Engineering subject/s, other SDGs and make effort for global partnerships

Expected Learning Outcomes

By the end of the course students will be able to:

1. Describe the UNESCO's 17 Sustainable Development Goals
2. Identify vital components of 'Education for Sustainable Development'(ESD)
3. Illustrate and integrate ESD to achieve SDG 4.7(Global Citizenship &.....)
4. Explain and formulate ESD strategies to accomplish SDG 4.4(Technical & Vocational skills, Entrepreneurship &.....)
5. Interpolate sustainable education and global partnership

Course Content

Total Lecture Hours: 42

UNIT-1: Introduction to ESD

05 hrs

1. a) Introduction to UNESCO 17 Sustainable Development Goals (SDG)
b) SD Goal-4- Quality Education for all
c) Education for Sustainable Development (ESD)

UNIT-2: ESD & SDGs

08 hrs

2. ESD for achieving SDG- 4.7
 - a) Sustainable lifestyle
 - b) Human rights
 - c) Gender equality
 - d) Promotion of peace & non-violence
 - e) Global citizenship
 - f) Leveraging cultural diversity for SDGs

UNIT-3: ESD & Sustainability

05 hrs

3. ESD for achieving SDG-4.4
 - a) Technical & vocational skills for employability
 - b) 21st Century competencies for global & decent jobs
 - c) Sustainable entrepreneurship
 - d) Promoting good mental health & wellbeing

e) Inclusive education & social transformation

UNIT-4: ESD & Social Transformation

06 hrs

- 4. ESD for promotion of-
 - a) Responsible consumption & production
 - b) Peace & justice in the society
 - c) Sustainable cities & communities
 - d) Sustainable health practices & social wellbeing

UNIT-5: ESD & Sustainable education

08 hrs

- 5. - Sustainable education & global partnership
 - a) Educational policy & curriculum
 - b) Pedagogical practices & ICT
 - c) Educational research & social benefits
 - d) Educational ecosystem & management
 - f) Professional development & leadership

UNIT-6: Hands On, b) Practical Assignments: ESD & Sustainability Competences

10hrs

Suggested Web Links & Books:

1. https://www.mdpi.com/journal/sustainability/special_issues/Entrepreneurship_Education
2. <http://ncase.me/polygons>
3. <http://creativecommons.org/licenses/by-sa/3.0/igo/>
4. <http://en.unesco.org/open-access/terms-use-ccbysa-en>
5. www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/documents/digitalasset/dh_10224.pdf
6. www.fera.defra.gov.uk/news/documents/sustainableDevelopmentPlanV2.pdf
7. [www.developpement-durable.gouv.fr/IMG/pdf/EN - dossier presse CIDDD - SNDD.pdf](http://www.developpement-durable.gouv.fr/IMG/pdf/EN_-_dossier_presse_CIDDD_-_SNDD.pdf)
8. <http://register.consilium.europa.eu/pdf/en/06/st10/st10917.en06.pdf>
9. <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2009:0400:FIN:EN:PDF>
10. Issues and trends in Education for Sustainable Development: UNESCO Publication
11. Digital Pedagogy for Building Peaceful & Sustainable Societies: Blue Dot Publication

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