Add-on Course

On

SUSTAINABLE DEVELIPMENT

Department of Philosophy

Silda Chandrasekhar College

Session: 2023 – 2024

BASIC DETAILS OF THE COURSE

■Course Title: Add-on Course on "SUSTAINABLE DEVELIPMENT"

■CONTEXT :

The Department of Philosophy at Silda Chandrasekhar College, Silda, Dist.-Jhargram, offers an Add-on Course titled "SUSTAINABLE DEVELOPMENT" to Philosophy Honours students from 6th January to 29th June 2024. Coordinated by Dr. Sayani Bhattacharya under the guidance of IQAC, the course aims to introduce students to the multidisciplinary nature of environmental studies and the importance of conserving the earth for meaningful survival and sustainability for future generations.

This course is designed to emphasize the principles of sustainable development and the sustainable use of resources. By exploring various aspects of sustainability, students will learn how to balance economic growth, social inclusion, and environmental protection. For example, the course will cover topics such as the sustainable management of natural resources, the impact of climate change, and the role of renewable energy sources in reducing carbon footprints. Through case studies and practical examples, students will understand how sustainable practices can be implemented in real-world scenarios, such as the use of solar energy in rural electrification projects or the promotion of organic farming to preserve soil health and biodiversity.

By the end of the course, students will be equipped with the knowledge and skills to contribute to sustainable development initiatives and promote the sustainable use of resources in their personal and professional lives.

■**PREREQUISITE:**

Students enrolling in this course should be Philosophy Honours students at Silda Chandrasekhar College. No prior knowledge of environmental studies is required, but a keen interest in sustainability and ethical values is beneficial.

■ **AIM OF THE ADD-ON COURSE:**

Ethical values are the founding principles of human civilization that differentiate human beings from other creatures on Earth. Therefore, the purpose of the Add-on Course provided by the department is to instill ethical values and principles that guide transferable and life skills in the students. Transferable skills refer to the portable skills of an individual student pursuing this course, enabling them to navigate across diverse areas of their lives, whether personally, socially, or professionally, and in any situation. This course aims to add value to the learning outcomes of the students and should help them cope during difficult times and secure placements after completing their degree.

■**OBJECTIVES OF THE COURSE:**

1. The course will help students understand environmental values and contemporary debates, primarily centered on the issue of climate change. It aims to foster a sense of collective responsibility among the students.

2. Studying this course will facilitate seamless career progression for students in fields such as Teaching, NGOs, Mass Media Services, Hospitality Services, and Government Services.

3. The course aims to develop students' personalities in physical, mental, emotional, and spiritual aspects, with a focus on sustainability.

4. Students will undertake Sustainable Development Goals once they understand the theoretical aspects of environmental issues.

■**Programme Highlights and Unique Features:**

1. **Multidisciplinary Approach**: The course covers various aspects of sustainable development, including social, environmental, and economic components, providing a holistic understanding of the subject.
2. **Expert Coordination**: The course is coordinated by Dr. Sayani Bhattacharya, ensuring high-quality instruction and guidance.
3. **Interactive Learning**: The course includes a mix of lectures, group discussions, and practical assessments, fostering an engaging learning environment.
4. **Career Progression**: The course facilitates seamless career progression in fields such as Teaching, NGOs, Mass Media Services, Hospitality Services, and Government Services.
5. **Ethical Values**: Emphasis on instilling ethical values and principles that guide transferable and life skills, helping students navigate diverse areas of their lives.
6. **Sustainable Development Goals**: Students will undertake Sustainable Development Goals, understanding the theoretical aspects of environmental issues and their practical applications.

7. **Comprehensive Curriculum**: The curriculum includes topics such as the origin of sustainable development, development issues, biodiversity and conservation, environmental policies, and international initiatives like Agenda 21 and Agenda 2030.
8. **Assessment and Certification**: The course includes a final assessment with a mix of MCQs, group discussions, and attendance, culminating in a certificate upon successful completion.

■**Career Prospects:**

The "Sustainable Development" Add-on Course at Silda Chandrasekhar College equips students with essential skills for a range of career opportunities in diverse fields. By addressing global challenges such as climate change, environmental protection, and sustainable development, it prepares students for roles in teaching, NGOs, mass media, hospitality, and government services. The course fosters a strong sense of ethical responsibility and develops transferable life skills, enhancing personal, social, and professional growth. It also empowers students to actively contribute to achieving Sustainable Development Goals, positioning them for successful career progression and impactful work in sustainability-focused industries.

■**Faculty Requirement**

The course requires 4 teaching faculties for the entire course.

■**CourseFee** NIL

■Target students

      This course is intended for Philosophy Honours students at Silda Chandrasekhar College who are in semesters 1, 3, and 5. Students should have a keen interest in sustainability and ethical values, although no prior knowledge of environmental studies is required.

■Intake capacity   30

■Contact hours   30hours

■ COURSE OUTCOMES:

      This course aims to achieve the following objectives –

1. Define sustainable development.

2. Discuss different approaches being taken to achieve the goals; issues and concerns of sustainable development (SD); effects of globalization and industrialization; role of people in environmental protection; international obligations related to environmental protection.

3. Analyze the reasons for the failures of approaches; global issues and their implications for the sustainable development of nations; role of governments and NGOs in protecting the environment.

4. Identify the various issues required to be addressed to pursue sustainable development as well as the indicators of sustainable growth.

5. Describe the policies and methods adopted by the international community to achieve sustainable development; diversity in social, cultural, and wildlife aspects

and the need for their conservation; fundamental principles of sustainable development.

6. Explain the meaning and origin of the concept of sustainable development; inequitable growth; indicators of sustainable development in regional/national contexts; legislation for environmental protection in your country.

7. Suggest innovative ways and techniques to be implemented for achieving sustainable development goals at the local level.

8. Outline initiatives that have originated from their own communities.

■ **COURSE COORDINATOR: DR. SAYANI BHATTACHARYA**

■**Curriculum of the Course:**

Unit 1:   (Duration: 2 hours)

INTRODUCTION TO SUSTAINABLE DEVELOPMENT

- What is SD: Meaning and Definition, Development, Sustainable Development
- Ecology and Ecosystems, their characteristics

Unit 2:   (Duration: 3 hours)

- Components of Sustainable Development: Social, Environment, Economic

Unit 3:   (Duration: 1 hour)

- Origin of SD: A Historical Sketch

Unit 4:   (Duration: 6 hours)

DEVELOPMENT ISSUES

- Issues and Challenges to Natural Resources: Environmental Pollution
- Sustainable Economic Growth and Livelihood
- Sustainable Living with Nature: Exploitation vs. Conservation

Unit 5:   (Duration: 4 hours)

- Approaches to the Study of SD: Positivist, Multi-dimensional, Eco-system, Indigenous View

INITIATIVES TOWARDS SUSTAINABLE DEVELOPMENT

Unit 6:   (Duration: 6 hours)

- Biodiversity and Conservation,
- Environmental Policies and Practices
- Human Communities and the Environment

Module 7:   (Duration: 3 hours)

- Agenda 21 and Agenda 2030: 17 SD Goals,

Module 8:   (Duration: 1 hour)

- United Nations Millennium Summit - Declaration of the Millennium Goals

Module 9:   (Duration: 3 hours)

- Three Dimensions: Stockholm (Environmental), Rio (Economic), Johannesburg (Social)

■LESSON PLAN OF THE COURSE

Lectures	Course Content	Duration
1	Introduction to Sustainable Development: What is SD: Meaning, Definition, Development, and Sustainable Development	1 hour
2	Ecology and Ecosystems, their Characteristics	1 hour
3	Components of Sustainable Development: Social Aspects	1 hour
4	Environment Aspects	1 hour
5	Economic Aspects	1 hour
6	Origin of Sustainable Development: A Historical Sketch - 1	1 hour
7	**Development Issues:** Issues and Challenges to Natural Resources: Environmental Pollution	1 hour
8	Issues and challenges to Natural Resources	1 hour
9	Sustainable Economic Growth and Livelihood - 1	1 hour
10	Sustainable Economic Growth and Livelihood - 2	1 hour
11	Sustainable Living with Nature: Exploitation VS Conservation - I	1 hour
12	Sustainable Living with Nature: Exploitation vs Conservation - 2	1 hour
13	Approaches to the Study of SD: Positivist View	1 hour
14	Approaches to the Study of SD: Multi-dimensional View	1 hour
15	Approaches to the Study of SD: Eco-system View	1 hour
16	Approaches to the Study of SD: Indigenous View	1 hour
17	Initiatives towards Sustainable Development: Biodiversity and Conservation - 1	1 hour
18	Biodiversity and Conservation - 2	1 hour
19	Environmental Policies and Practices - 1	1 hour
20	Environmental Policies and Practices - 2	1 hour
21	Human Communities and the Environment - 1	1 hour
22	Human Communities and the Environment - 2	I hour
23	Agenda 21	I hour
24	Agenda 30	1 hour
25	17 Sustainable Development Goals	1 hour
26	United Nations Millennium Summit - Declaration of the	1 hour

Lectures	Course Content	Duration
	MillenniumGoals	
27	Three Dimensions: Stockholm (Environmental)	1 hour
28	Rio (Economic)	1 hour
29	Johannesburg (Social)	1 hour
30	Final Assessment Process	1 hour

■LEARNING RESOURCES:

- Basu, M., Xavier, S. (2016). Fundamentals of Environmental Studies. Cambridge University Press, India.

- Odum, E. P., Odum, H. T., & Andrews, J. (1971). Fundamentals of Ecology. Philadelphia:Saunders.

- Sharma, P. D., & Sharma, P. D. (2005). Ecology and Environment. Rastogi Publications.

- Human Development Report (1990). United Nations Development Program, Oxford University Press. Human Development Report (1994) United Nations Development Program, Oxford University Press.

- Redclift. M. (1987). Sustainable Development. Exploring the Contradictions, Methuen, London, UK. Singh, Amita. (2000) The Politics of Environment Administration, Galgotia, New Delhi.

- Development Report (2003). United Nations Development Programme, Oxford University Press.Oxford.

- Kothari, S. (1993). "Incompatibility of Sustainability and Development" in Indian Journal of Public Administration, July-September, Vol.39, No.3, pp 315.

- Pearce D. and Atkinson G. (1993) "Capital Theory and the Measurement of Sustainable Development An indicator of "Weak" Sustainability" in Ecological Economics, 8:103-8.

- Brundtland Commission Report (1987) World Commission on Environment and Development, Our Common Future, Oxford University Press, Oxford.

- Dresner, S. (2002). The Principles of Sustainability, Earthscan, London.

- Reid, David (1995) Sustainable Development: An Introductory Guide. EarthScan, London.

- http://www.un.org/millenniumgoals/

- https://worldwaterforum.org/

- http://www.cec.org/

- http://www.gefweb.org/

- http://www.sei.se/

- http://www.gefweb.org/

- http://www.unesco.org/

■**EVALUATION PROCESS:**

After the successful completion of the teaching-learning process of this course, students will be provided with a question paper containing a set of 30 multiple choice type questions (MCQs). Additionally, students will have to participate in a group discussion. Every student will be provisionally provided with a certificate. The evaluation process will be based on the Course-end Assessment, Group Discussion, and Attendance, which will be calculated based on the actual attendance percentage of the students during the course.

- Theory Examination (MCQ type): 30 Marks

- Group Discussion: 15 Marks

- Attendance: 5 Marks

- Total Marks: 50 Marks

- Pass Marks: 25 Marks

■GRADATION SYSTEM

Marks Obtained	Grade
45 – 50	A +
40 – 44	A
35 – 39	B +
30 – 34	B
25 – 29	C
Below 25	Fail

■CERTIFICATION:

Students will be awarded a certificate after the successful completion of the course.