30 Hour Add On Course on Environmental Values & Sustainability

Offered by the Department of Microbiology:

DINABANDHU ANDREWS COLLEGE

GARIA, KOLKATA

Joy Sarkar

Title:
Certificate Course on Environmental Values & Sustainability

Course Overview: This certificate course is designed to empower individuals with the knowledge and tools necessary to contribute positively to environmental protection and sustainability efforts globally that typically revolves around educating participants on key principles, practices, and ethical considerations related to environmental sustainability.

Course Duration: **30 hours (6 hrs per week x 5weeks)**
   One Class (Theory): 1 Hour
   Lab: 2 Hours
   Final Assessment on the Last day

Course Fee: **Free of Cost**

Pedagogy: Lecture on theory and Practical

Course Coordinator: Dr. Tanmay Ghosh

SYLLABUS STRUCTURE OF THE ADD-ON COURSE

Module	UNIT TITLE	HOURS
Module -1	Environmental Sustainability	3
Module -2	Concept of Sustainability	9
Module -3	Concept of Environmental Values	6
Module -4	Globalization & Sustainability	9
Module -5	Environmental Ethics	3
Total		30

Module 1: Environmental Sustainability

Definition, History, Importance, Examples, Issues and Benefits.

Joy Sarkar

Module 2: Concept of Sustainability

Sustainable Development- History, Goals and modality, Economy and Environment, Importance and need of Sustainable development, Strategies and practices for sustainable development.

Module 3: Concept of Environmental Values

Environment and Ethics, Necessity of Ethical Question in the Context of Environment.

Module 4: Globalization & Sustainability

Globalization, its history and concept, challenges of neo liberal globalization; transformations needed for global sustainability.

Module 5: Environmental Ethics

Deep Ecology, Anthropocentrism, Eco-feminism, Environmental Values from the Indian Philosophical Context.

Course Outcome :

- Students will develop a comprehensive understanding of various facets of life forms, ecological processes and how humans have impacted them.

- Students will be capable of identifying relevant environmental issues, analyse the various underlying causes, evaluate the practices and policies and develop framework.

- Students will be morally and ethically aware and develop empathy for various life forms and appreciate the various ecological linkages within the web of life.

- Students will acquire values and attitudes towards understanding complex environmental challenges and participate actively in solving current environmental problems and preventing the future ones.

Joy Sarkar

LEARNING RESOURCES

SL. NO.	TITLE OF THE BOOK	AUTHOR(S)	PUBLISHER
1	Environment and Sustainable Development	M. H. Fulekar, Bhawana Pathak, R. K. Kale	Springer
2	Environment and Sustainability	Celil aydin & Burak darici	Peter Lang Publisher
3	Sustainable Development and Environment	Snigdha Tripathi	Ankit Publications
4	Environment, Ecology and Sustainable Development	Shyamal Prasad choudhury	BFC Publications

Joy Sarkar

EVALUATION POLICY FOR THE ADD-ON COURSE

The basic philosophy behind the Evaluation policy for this 30 Hours Add-on course is to objectively judge the participants (students) whether the concepts were understandable to them or not and whether they could apply these concepts to solve numerical and conceptual problems. The Evaluation would be done through 2 components –

i) C1 Course-end Assessments (Written Test) [Total Marks: 30]

ii) C2 Practical /LAB [Total Marks: 20]

Total Marks of the Evaluation process would be – 50 Marks

TABLE FOR QUALIFICATION

TOTAL SCORE (OUT OF 50)	GRADE
45 – 50	O – OUTSTANDING
40 – 44	E – EXCELLENT
35 – 39	A – VERY GOOD
30 – 34	B – GOOD
25 -29	C – FAIR
BELOW 25	F – FAILED

Joy Sarkar

GENERAL RULES AND REGULATIONS

1. Students must attend and appear for all the Module-End Assessments. If any student fails to submit any of the Module-End Assignments or fails to attend any of the Module End Assessment examinations , the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.

2. Students must attend and appear for the Course-End Assessment Examination. If any student fails to submit the Course-End Assessment or fails to attend the Course-End Assessment Examination , the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.

3. Students must attend and appear for the Course-End Viva. If any student fails to fails to attend the Course-End Viva, the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.

4. Total Marks of Course Evaluation will be 50 Marks.

5. Minimum 50% Marks has to be scored to receive any Certificate. There will be only ONE Attempt allowed for each of the Module-End Assessments and the Course-End Assessment.

6. There will be NO PROVISION for Backlog Clearance.

7. General Rules and Regulations of the College must be followed without any exception.

8. **Minimum 75% attendance is required to receive the certificate of the course.**

Joy Sarkar