

CURRICULUM PLANNING AND IMPLEMENTATION

Course Name: Environmental Studies

Programme : Compulsory Course for UG Classes Environmental Studies

Semester: IV

Name of the Teachers: Dr. Jaswinder Kaur, Prof. Paviter Pal Kaur

Availability Timings: 9.00 AM to 4.30 PM

E-mail: environmentlkc@gmail.com

Objectives of the Course:

This course aims to develop concern and to acquaint students with information related to environment. Its main objective is to develop concern in each individual to save the environment. Its main aim is to create awareness about sustainable development. It also works to spread awareness among the students on issues like Global warming, Climate change, Depletion of Natural resources, Declining water table and Pollution etc. Its ultimate aim is to create GREEN INDIA CLEAN INDIA.

Course Content:

UNIT I: Multidisciplinary nature of Environmental Studies

UNIT II: Natural Resources

UNIT III: Ecosystems

UNIT IV: Biodiversity and its Conservation

UNIT V: Environmental Pollution

UNIT VI: Social Issues and Environment

UNIT VII: Human Population and Environment

UNIT VIII: Field work

Detailed Course Contents: Available at www.gndu.ac.in

What will be the teaching methods:

- Lectures : six per week
- Student Field study Report: One Field study report at the end of semester as mentioned in UNIT VIII.
- Assignments : Students will be asked to submit project report as assignment
- Powerpoint Presentations

- Activities/ Plantation drives/ Flower shows participation is a routine measure

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

Learning Outcomes:

A. Knowledge and Understanding):

Students will

- Know multidisciplinary nature of Environmental studies its scope and importance.
- Understand and explain the various natural resources, Ecosystems, Environmental Pollutions and their control measures.
- Understand various Social issues, like Global warming, Acid rain, Climate change and disaster management.

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to:

- identify the various Environmental problems and their possible solutions.
- analyze various social issues and their possible solutions
- analyze different types of Pollution and their control measures.

C. Practical Skills

Students will learn to:

- Plant tree species, Flowering species, vegetative propagation etc.
- Solid waste management (segregation of solid waste, disposal methods etc).
- Do Composting, Vermi composting.
- Do disaster management.

D. Transferable Skills :

Students will be able to

- Manage solid waste, electronic waste, agriculture waste effectively in the society.
- learn to think more creatively to increase forest cover by Rotational cutting pattern.
- display better hygienic conditions in Society.

Modes of Assessment	Minimum Score Required (to Qualify for the Next Exam/Class)	Schedule
Continuous Internal Evaluation(CIE) 1.Class Tests (Unit wise) 2.Student Seminars 3. In House Exams		
	35%	After Each Unit
		Every week
	35%	Last Week of April
End of Semester Exam	35%	Last week of May onwards

Teaching Outline:

Unit	Teaching Dates
I& II	Jan 11 to Feb 15
III & IV	Feb 16 to March 31
V & VI	April 1 to 30 April
VII & VIII	May 1 to May 20
Revision	Till 31st May

Attendance Policy

Lecture attendance is mandatory. Students are expected to maintain 75% attendance of the total lectures delivered, failing which they will be detained from appearing in university exams.

Text Book(s):

1. Bharucha, E. 2005. Textbook of Environmental Studies, Universities Press, Hyderabad.
2. Down to Earth, Centre for Science and Environment, New Delhi.

References:

1. Heywood, V.H. & Waston, R.T. 1995. Global Biodiversity Assessment, Cambridge House, Delhi.

2. Joseph, K. & Nagendran, R. 2004. Essentials of Environmental Studies, Pearson Education (Singapore) Pte. Ltd., Delhi.
3. Kaushik, A. & Kaushik, C.P. 2004. Perspective in Environmental Studies, New Age International (P) Ltd, New Delhi.
4. Rajagopalan, R. 2011. Environmental Studies from Crisis to Cure. Oxford University Press, New Delhi.
5. Sharma, J. P., Sharma. N.K. & Yadav, N.S. 2005. Comprehensive Environmental Studies, Laxmi Publications, New Delhi.
6. Sharma, P. D. 2009. Ecology and Environment, Rastogi Publications, Meerut.
7. State of India's Environment 2018 by Centre for Sciences and Environment, New Delhi
8. Subramanian, V. 2002. A Text Book in Environmental Sciences, Narosa Publishing House, New Delhi.

E- resources

- <http://www.envis.com>
- <http://www.cse.com>