



C. U. SHAH UNIVERSITY, Wadhwan City



FACULTY OF COMMERCE BACHELOR OF COMMERCE

SEMESTER III (Three)

CODE 4CO03EMA1

Name of Subject Environment Management

Teaching & Evaluation Scheme

Teaching Scheme(Hours)				Evaluation Scheme(Marks)		
Theory	Tutorial	Practical	Total	Sessional	University	Total
4	0	0	4	30	70	100

Objective Environmental management has captured the attention of health care Managers. Managing environmental hazards has become very important.

Prerequisite Only Basic Knowledge is required

Course outline

Sr. No.	Course Contents	Number of Hours
1	Multidisciplinary nature of environmental studies Definition, scope and importance, need for public awareness.	5
2	Natural Resources : Renewable and non-renewable resources : Natural resources and associated problems. <ul style="list-style-type: none"> • Forest resources: Use and over-exploitation, deforestation, case studies. Timber, extraction, mining, dams and their effects on forest and tribal people. • Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. • Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. • Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. • Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. Case studies. 	10



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	<ul style="list-style-type: none"> Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles. 	
3	<p>Environmental Pollution</p> <p>Definition</p> <ul style="list-style-type: none"> Cause, effects and control measures of :- Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster management: floods, earthquake, cyclone and landslides. 	15
4	<p>Social Issues and the Environment</p> <ul style="list-style-type: none"> From Unsustainable to Sustainable development Urban problems related to energy Water conservation, rain water harvesting, watershed management Resettlement and rehabilitation of people; its problems and concerns. Case Studies Environmental ethics: Issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies. 	10
5	<ul style="list-style-type: none"> Wasteland reclamation. Consumerism and waste products. Environment Protection Act. Air (Prevention and Control of Pollution) Act. Water (Prevention and control of Pollution) Act Wildlife Protection Act Forest Conservation Act Issues involved in enforcement of environmental legislation. Public awareness. 	5
	Total Hours	45

Learning Outcomes

Theoretical Outcome The students after studying this paper, will get a clear Understanding of various basic Concepts used in Environment.



Practical Outcome Students can be able to Solve Problems of Environment as well as can have the Knowledge of Environment.

Teaching & Learning Methodology

- Lectures
- Role play
- Case Studies
- Class Participation

Books Recommended

1. **'Environmental Biology'** by *Agarwal, K.C.*, Nidi Publ. Ltd. Bikaner.
2. **'The Biodiversity of India'** by *Bharucha Erach*, Mapin Publishing Pvt. Ltd.
3. **'Hazardous Waste Incineration'** by *Brunner R.C.*, McGraw Hill Inc. 480p
4. **'Marine Pollution'** by *Clark R.S.*, Clarendon Press Oxford (TB)
5. **'Environmental Encyclopedia'** by *Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth*, Jaico Publ. House,
6. **'Environmental Chemistry'** by *De A.K.*, Wiley Eastern Ltd.
7. **'Down to Earth'** by Centre for Science and Environment (R)
8. **'Water in Crisis'** by *Gleick*, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p
9. **'Encyclopedia of Indian Natural History'** by *Hawkins R.E.*, Bombay Natural History Society, Bombay (R)
10. **'Global Biodiversity Assessment'** by *Heywood, V.H & Weston*, Cambridge Univ. Press 1140p.
11. **'Environmental Protection and Laws'** by *Jadhav, H & Bhosale, V.M.*, Himalaya Pub. House, Delhi 284 p.
'Environmental Science Systems & Solutions' by *Mckinney, M.L. & School, R.M.* Web enhanced edition. 639p.
12. **'Matter Hazardous'** by *Mhaskar A.K.*, Techno-Science Publication (TB)
13. **'Environmental Science'** by *Miller T.G. Jr.*, Wadsworth Publishing Co. (TB)
14. **'Fundamentals of Ecology'** by *Odum, E.P.*. W.B. Saunders Co. USA, 574p
15. **'Waste Water treatment'** by *Rao M N. & Datta, A.K.*, Oxford & IBH Publ. Co. Pvt. Ltd. 345p.
16. **'Environmental Chemistry'** by *Sharma B.K.*, Geol Publ. House, Meerut
17. **'Survey of the Environment'** by The Hindu (M)
18. **'Essentials of Ecology'** by *Townsend C., Harper J, and Michael Begon*, Blackwell Science
19. **'Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II'** by *Trivedi R.K.*, , Enviro Media (R)
20. **'Introduction to air pollution'** by *Trivedi R. K. and P.K. Goel*, Techno-Science Publication (TB)
21. **'Environmental Management'** by *Wanger K.D.*, W.B. Saunders Co. Philadelphia,
22. (M) Magazine



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23. (R) Reference
24. (TB) Textbook

E-Resources

1. http://www.e-elgar.co.uk/bookentry_main.lasso?id=1894
2. <http://www.uksg.org/publications/ermh>