

NORTH MAHARASHTRA UNIVERSITY, JALGAON.

SYLLABUS - FOR M.Ed.

(With effect from June, 1992)

Optional Course  
M.Ed.

Group - B - 5  
ENVIRONMENTAL EDUCATION

OBJECTIVES:

1. To develop understanding and insight in to the concept of Environment. Environmental Education and into the problem-problems of issues relating to the Environment.
2. To provide theoretical background for teacher in order to developing competencies of identifying investigating, evaluating environmental problems and to fostering right citizenship action for protecting, preseving aspects of human environment.
3. To equip teachers with adequate knowledge, attitudes and skills required for promoting awareness to environment among the students.

Unit-1 : CONCEPT OF ENVIRONMENTAL EDUCATION

- 1.1 Meaning of environment- Its types: Physical, social and Psychological.
- 1.2 Meaning and scope of Environmental Education.
- 1.3 Emergence of Environmental Education as a distinct entity.
- 1.4 Goals of Environmental Education.

Unit-2 : ENVIRONMENTAL PROBLEMS AND ISSUES :

- 2.1 Aspects of Human Environment.
  - 2.2.1 Population : Growth, Crisis, and problems of unplanned population.
  - 2.1.2 Land : Uses and Reclamation.
  - 2.1.3 Natural Resources : Types-renewable and nonrenewable, uses and recycling of natural resources. Deplexion of natural resources.
  - 2.1.4 Food and Nutrition : Food production, types quality and supply.
  - 2.1.5 Health and Hygiene : Individual, family and community health. Health hazards.
- 2.2 Polution :

- 2.2.1 Meaning of pollution.
- 2.2.2 Types of Pollution: Water, air, soil and sound pollution.
- 2.2.3 Pollution by pesticides, chemicals and waste disposals of the Industries.
- 2.2.4 Adverse effects of pollution and aspects of human environment.

Unit-3 : AWARENESS TO ENVIRONMENT:

- 3.1 Man in relation to the other components of biosphere.
- 3.2 Environmental quality and Man's future on Earth.
- 3.3 Needs for promoting awareness to Environment.
- 3.4 Conservation of natural resources - land, air, soil, energy and water.
- 3.5 Preservation of Natural Beauty.
- 3.6 Enactments and Statutes related to Environment.

Unit-4 : TEACHING AND LEARNING STRATEGIES FOR ENVIRONMENTAL EDUCATION:

- 4.1 Constraints and hurdles in implementing Environmental Education.
  - 4.1.1 Lacuna in conceptual understanding of environmental 'local' Vs; Global'
  - 4.1.2 Variations in the environments of the learners.
  - 4.1.3 Ways to overcome the constraints and difficulties.
- 4.2 Integration of Environmental Education with the teaching and learning of Life Sciences and social Sciences.
- 4.3 Competencies to be developed in environmental Problem identification, investigation, evaluation and citizenship actions for protecting and preserving aspects of human environment.
- 4.4 Strategies for developing competencies in Environmental Education.
  - 4.4.1 Preparation of A.V. Aids and their uses.
  - 4.4.2 Field Trips and Laboratory Experiences.
  - 4.4.3 Role and use of Mass-media.
- 4.5 Evaluation of the Learning outcomes of Environmental Education.

BOOKS AND REFERENCES

1. Environmental Education at the School level-A Lead Paper. N.C.E.R.T. New Delhi.
2. A study in the Area of Adapting Science and Technology Education to changing society and to the Diversity of Needs, Atreya, Mishra and Gune, N.C.E.R.T. New Delhi. (Minicographed)

3. All India Environmental studies Project for the Training Inservice Teacher Educationers (8 Volumes)  
N.C.E.R.T., New Delhi.
4. The Curriculum Guide on Nutrition and Health Education and Environmental Sanitation in Primary Schools,  
N.C.E.R.T., New Delhi.
5. Strategies for Developing an Environmental Curriculum  
A discussion Guide for UNESCO Training Workshop in Environmental Education, UNESCO, Paris.
6. Strategies for the Training of teachers in Environmental Education- A Discussion Guide for UNESCO Training Workshops in Environmental Education, UNESCO, Paris.
7. Introduction to Environment Studies : J.Turk.
8. Environment Protection : Paras Diwan
9. The State of India's Environment : Citizen Report - 1985
10. Environmental Challenges - Attar Chawel
11. Environmental Studies - Botkin & Kellar.
१२. पर्यावरण शास्त्र - अहिंसावादी विस्फोट, पाटील, पेंड्रे, परचुरी, चौधरी,  
अहिंसावादी आणि पाटील.

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