

## University of Pune

### **“A Course in Environmental Awareness” (Compulsory at the B.A., B.Com., B.Sc. Degree Level)**

#### **Guidelines for the conduct of the course**

1. A Certificate course in Environmental Awareness with duration of six months (40 lectures) has been introduced from the academic year 2004-05 at the second year of degree course (B.A., B.Com and B.Sc.) as a compulsory course.
2. The syllabus prepared by the University is enclosed (see enclosure)
3. The details of the teaching plan are enclosed herewith
4. A proposed evaluation system has been enclosed
5. A Fee of Rs.200 per student be charged to meet the expenditure on the conduct of the course. The Utilization of Rs. 200/- shall be as follows :-
  - A. Rs. 50/- will be send to University of Pune.
  - B. Rs. 5/- each to Principal, Coordinator & Asstt. Coordinator per student.
- 6.a. A course Coordinator be appointed to organize teaching and evaluation.
- 6.b. Coordinator will be appointed by the Principal.
7. Faculty wise Asstt. Coordinator shall be appointed in multifaculty colleges.

#### **Qualifications of a Teacher.**

University approved teacher (Lecturer) in any subject possessing substantial knowledge to teach, courses on environmental studies shall be eligible to teach the proposed course.

Principal of the College shall be authorized to decide the eligibility of the teacher, based on published work or expository articles or books written by the teacher on environmental studies or workshop/refreshers course/ training programme on environmental studies attended by the teacher,

9. A candidate has to appear for this course in the 1<sup>st</sup> year / 1<sup>st</sup> Terms of the degree course.

10 a. This course can be cleared in the III<sup>rd</sup> year also if candidate remains absent or fails in this course in the II<sup>nd</sup> year of degree course.

b. The candidate will have to pass in the examination of "A Course in Environmental Awareness" in order to obtain degree certificate from the University.

11. **Appointment of Examiner** : Principal shall appoint Chairman An examiner, paper setter, remuneration for Examination work shall be paid out of the fees mentioned above. The norms for payment shall be as follows:

A. MCQ Rs. 5/-

B. Essay type question Rs. 5/-

C. Field work Rs. 10/- per candidate

12. A candidate has to pass in this paper in order to obtain degree certificate. If the candidate passes in all subjects of degree course but fails in this paper, he will not obtain degree certificate.

13. This Scheme will start from academic year 2004-2005 for second year students of degree course.

14. **Examination** : The evaluation along the pattern suggested below shall be organized by the principal at the College level. The grade sheet shall be submitted to the Controller of Examination, University of Pune before the end of the University Examination's of B.A./B.Sc./B.Com. The grade shall reflect on the final Mark statement of each student. The results of University examination of the student who fail to get Minimum C Grade in this course shall be Kept in reserve till the concerned students complete the course and secure the required (Minimum) Grade.

A) Multiple Choice Question : 50 Marks

B) Essay type questions : 25 Marks

C) Field Works : 25 Marks

Total : 100 Marks      Passing Marks : 40 Marks

Following Grades will be awards

Grade O ✓ above 75.    Grade A ✓ 61 to 75.    Grade B ✓ : 51 to 60,    Grade C ✓ : 40 to 50

15. **Administration Charges** . Principal will be authorized for sufficient administration charges which will include charges of the non teaching staff, use of class rooms & other infrastructure of the College etc.

## A Course in Environmental Awareness Syllabus

### SECTION-I

Sr. No.	Topic	Sub-topics	No. of periods
1.	Nature & Scope of Environmental Studies.	Definition scope, importance, Multi disciplinary nature, Need for public awareness	2
2	Natural Resources	Renewable & non-renewable Natural resources & associated problems of forest, water, mineral, energy, land & food - case studies, conservation of resources.	7
3.	Eco system	Types, characteristics, structure & function.	6
	Biodiversity & its conservation	Definition: Genetic species & eco system diversity, Biogeographical classification of India. Biodiversity at global, national & local levels, conservation of biodiversity.	5

### SECTION II

5.	Environmental Pollution	Definition course effects & control measures of air, water, soil marine noise, thermal nuclear, Role of an individual in prevention of pollution - case studies, Disaster management.	7
6.	Social Issues & the environment	Urban problems, Resettlement problems, climatic change, global warming acid rain, ozone layer depletion, nuclear accidents, Air act, Environment Protection Act, water, forest wild life act, public awareness.	5
7.	Human Population & environment	Population - explosion, Family Welfare Programme, Environment & Human Health, Human Rights, Value Education, HIV/AIDS, Role of I.T. in Environment & human health - case studies	4
8.	Fieldwork	Visit to a local area- urban, rural, industrial, agricultural, study of simple eco system-pond, river, hill etc	4

871 BSC - 1030  
 B.com - 296  
 450  
 454  
 3  
 75  
 103

### List of Reference Books.

1. A text Book of environmental Sciences - S.S. Purohit shammi & A.K. Agarwal
2. The Biodiversity of India- Bharucha Erach
3. Marine Pollution - Clark R.S.
4. Down to Earth, Center for Science & Environment
5. Encyclopedia of Indian Natural History - (B.N.H.S.) Hawkins R.E. Mumbai
6. Environmental Protection & Laws-Jadhav H. & Bosale V.M. (1995) Himalaya Pub. House, Delhi.
7. पर्यावरण शास्त्र - डॉ. प्रोल्प टो. एन.
8. पर्यावरण शास्त्र - डॉ. कर्मकर, प्रा. पागनीस, देवस्थळी, डोईफोडे.
9. पर्यावरण शास्त्र - डॉ. वारपुरे.
10. पर्यावरण विज्ञान - प्रा. अहिरचव् अलिद्राड, वराट, धापटे भोस.

Grade - Envi - A.

Grade → O - (Above 75) mark

Grade → A (61 to 75) mark

Grade → B (51 to 60) mark

Grade → C (40 to 50) mark