

Course: Environmental Education

Credit Hours: 3

INTRODUCTION

The purpose of this course is to provide in-depth knowledge about environment and skills to preserve the environment.

OBJECTIVES

Upon completion of this course, the student will be able to:

After completing the course the students will be able to:

1. Understand the significance of Geography, Health, and Environment in education
2. Have awareness of the diseases and remedies

Critique the environmental problems affecting health

COURSE CONTENT

Unit 01 Understanding Geography, Health and Environment

- 1.1 Explaining Geography, health, and environment
- 1.2 Significance of geography as a subject
- 1.3 Importance of students' health
- 1.4 Ecology and different Eco systems
- 1.5 Inter-defense and inter-relationship of living organisms and environment

Unit 02 Raising Awareness

- 2.1 The effects of wars and natural disaster on geography
- 2.2 Importance of raising health awareness
- 2.3 Method of raising health awareness
- 2.4 Method of protection of environment
- 2.5 Importance of clean environment
- 2.6 Methods for the protection of geography boundary

Unit 03 Environment Problems

- 3.1 Problems due to increase and unwise use of fertilizers and insecticides
- 3.2 Soil losses and its degradation
- 3.3 Soil conservation

- 3.4 Water logging and salinity
- 3.5 Vegetation
- 3.6 Unplanned Industrialization
- 3.7 Treatment plants for chemical effluents
- 3.8 Air pollution by smoke and chemical exhaust

Unit 04 Preservation of World life

- 4.1 Life span and their use
- 4.2 Need for preservation

Unit 05 Diseases and Preventive Measures

- 5.1 Types of disease and their causes
- 5.2 The spread of disease and preventive measures
- 5.3 Role of psycho-religious therapy in treating diseases:
 - ◆ physical
 - ◆ Mental
 - ◆ Spiritual

Unit 06 Role of Education in Environmental Preservation

Evaluation Criteria

Examination	Type	Marks
Internal Examination	Sessional Work	15%
	Mid-Semester	25%
External Examination	Final Semester	60%

Recommended Readings

Aldrich-Moodie, B., & Kwong, J. (1997). *Environmental education*. London: IEA Education and Training Unit.

Azeiteiro, U. (2008). *Science and environmental education: Towards the integration of science education, experimental science activities and environmental education*. Frankfurt am Main: Peter Lang

- Food and Agriculture Organization of the United Nations. (2005). *The state of food insecurity in the world, 2005: Eradicating world hunger - key to achieving the Millennium Development Goals*. Rome, Italy: Food and Agriculture Organization of the United Nations.
- Gazdar, M. N. (1987). *Natural resources development and environmental management in Pakistan*. Kuala Lumpur: Open Press.
- Harris, F. (2012). *Global environmental issues*. Chichester, West Sussex: Wiley-Blackwell.
- Johnson, E. A., & Mappin, M. (2005). *Environmental education and advocacy: Changing perspectives of ecology and education*. Cambridge: Cambridge University Press
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- Sampson, R. N., Hair, D., & American Forestry Association. (1990). *Natural resources for the 21st century*. Washington, D.C: Island Press [in cooperation with] American Forestry Association.
- Samuel, K., & Sundar, I. (2007). *Environmental education: Curriculum [i.e. curriculum] and teaching methods*. New Delhi: Sarup & Sons.
- Saylan, C., & Blumstein, D. T. (2011). *The failure of environmental education (and how we can fix it)*. Berkeley: University of California Press.
- Stevenson, R. (2013). *International handbook of research on environmental education*. New York: Routledge.
- Tomar, A. (2007). *Environmental education*. Delhi: Kalpaz Publications.
- Wilke, R. J. (1993). *Environmental education teacher resource handbook: A practical guide for K-12 environmental education*. Millwood, N.Y: Kraus International Publications.
- Whitmore, F. C., Williams, M. E., & International Centennial Symposium of the United States Geological Survey. (1982). *Resources for the twenty-first century: Proceedings*. Washington/D.C.