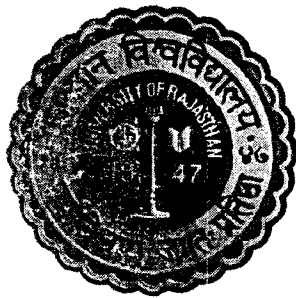


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**University of Rajasthan  
Jaipur**

**SYLLABUS**

**POST P.G. DIPLOMA IN  
HUMAN ECOLOGY**

**2016**

D.C.

Appendix - IV

**Post P.G. Diploma in Human Ecology (2015-2016)**

Post P.G. Diploma in Human Ecology will be divisible into two semesters. There will be 4 papers in each semester. In all there will be 8 papers including field report. Grades will be awarded as per norms considered for faculty of science.

**Eligibility for Admission**

Masters Degree in Social Science, Science, Medical Science, Engineering, Law with atleast 50% marks(45% for SC and ST candidates).

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**Post P.G.Diploma in Human Ecology**  
**1<sup>st</sup> Semester**

S. N.	Subject code	Course Title	Course category	Credit	Contact Hours Per Week		
					L	T	P
1.	DHE 101	Man and Environment	CCC	8	6	2	0
2.	DHE 102	The Human Ecosystem	CCC	8	6	2	0
3.	DHE 103	Technological Revolution	CCC	8	6	2	0
4	DHE 111	Field Studies	CCC	12		-	18
				<b>36</b>			

**Post P.G.Diploma in Human Ecology**  
**2<sup>nd</sup> Semester**

S. N.	Subject code	Course Title	Course category	Credit	Contact Hours Per Week		
					L	T	P
1.	DHE 201	Natural Resources	CCC	8	6	2	0
2.	DHE 202	Development and Environment	CCC	8	6	2	0
3.	DHE 203	Ecopolitics and Development	CCC	8	6	2	0
4	DHE 211	Field Studies	CCC	12		-	18
				<b>36</b>			

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24/11/2014.*

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## Semester-I

*Note: Each paper will have five questions. Questions No.1 containing short answer type questions from the entire syllabus and will be compulsory.*

### **DHE 101: Man and Environment**

The natural and the built environment of man, attempt to modify environment, impact of human activity on environment.

Human diseases resulting from environmental degradation: Air, Water, Noise and Radiation Pollution, Hazardous waste accumulation.



Human genetics and heredity, role of heredity and environment in human growth and development.

Cultural evolution of man and the impact of human culture on the environment, role of faith and beliefs and tradition in ecosystem preservation. Modernization, Consumerism and extravagant life style and their effect on environment.

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*Note: Each paper will have five questions. Questions No.1 containing short answer type questions from the entire syllabus and will be compulsory.*

**DHE 102:           The Human Ecosystem**

Fundamentals of Ecology, ecological principles and factors determining survival of life on earth. The concept of Global ecological balance and threats of its imbalances due to rising human population.

The urban ecosystem and its relationship with the rural ecosystem urban human ecosystem as highly energy intensive and unsustainable. Strategies for sustainable urbanization.

The rural ecosystem as ecologically more sustainable development, rural development an ecological necessity. Ecology of forest dwellers, The 'tribals' of India.

Quality of life in the rural and urban areas. Environmental problems arising from the rapid urban development.

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*Note: Each paper will have five questions. Questions No.1 containing short answer type questions from the entire syllabus and will be compulsory.*

### **DHE 103: Technological Revolution**

Industrialization, Motorization and Farmization, their positive and negative impacts on man and environment. Eco-farming, Eco-housing and Eco-automobiles.

Green Revolution, its economical and ecological consequences.

Environmental principles of 3R: Waste reduction, waste recycling, waste reusing and recovering.

Technological and Development disasters and their impact on Human ecology, construction of Big dam and highways and their environmental consequences.

### **DHE111: Field Studies**

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## Semester-II

*Note: Each paper will have five questions. Questions No.1 containing short answer type questions from the entire syllabus and will be compulsory.*

### **DHE 201: Natural Resources**

Classification of natural resources, Renewable and Non-renewable resources their availability and distribution.

Solar Energy, Wind energy, Geothermal energy, Hydroelectricity and Tidal energy.

Hydrogen as fuel, Biomass energy.

Need for judicious conservation and consumption of natural resources. Ecological problems involved in the harnessing of resources for human development.

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*Note: Each paper will have five questions. Questions No.1 containing short answer type questions from the entire syllabus and will be compulsory.*

### **DHE 202: Development and Environment**

The dilemma of human development, economic development vis-a vis ecological destruction. Need for a balance between economy and ecology.

The ecological and moral principles in development, Gandhian ideology of development, Equitable development.

Environmental impact assessment (EIA) and social impact assessment. Corporate social responsibilities.

The Brundtland commission report on "Our common future" (1987) and concept of sustainable development, Agenda 21

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*Note: Each paper will have five questions. Questions No.1 containing short answer type questions from the entire syllabus and will be compulsory.*

**DHE 203: Ecopolitics and Development**

The global and Indian Perspective, the interlinked national and international environmental issue of development.

The ecological status of the developed, developing and the under developed nations.

Ecopolitics with regard to global distribution of natural resources inequities in its consumption, provision of Eco-fund for environmental cleaning.

The Stockholm Conference (1972), The United Nations Conference on Environment and Development (1992).

**DHE 211 Field Studies**

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*Suggested Readings:*

13. Chauhan, Surendra Singh. 2001. Biodiversity, Biopiracy and Biopolitics: The Global Perspectives, Kalinga Publications, New Delhi.
14. Chauhan, Surendra Singh. 2004. Environmental Protection and Management: From Stockholm to Rio and After, Kalinga Publications, New Delhi.
15. Diwan A.P. and Arora D.K. 1995. Human Ecology Anmol Publication Pvt.Ltd., New Delhi.
16. Dubey, R.M. 1992. Human Ecology and Environmental Education, Chaug Publications, Allahabad.
17. Goudie, Andrew. The Human Impact.
18. Husain Maxia. 1994 Human Geography, Rawat Publication, Jaipur.
19. Johnston, R.J. Ed. 1986 Dictionary of Human geography, National Publication, New Delhi.
20. Malik, S.L. and Bhattacharya D.K. 1986. Aspects of Human Ecology, Northern Book Center, New Delhi.
21. Mishra, R.P. and Bhooshan, B.S. 1979. Human Settlements in Asia. Public, Polices and programmes Haritage publisher, New Delhi.
22. Nathawat, G.S. 1985. Human Ecology, An Indian perspective, Indian Human Ecology Council, Jaipur.
23. Russel, Bartrand, 1976. Impact of Science of society Unwin, Publisher, Indian. (paper back).
24. Sinha Rajiv, 1996. Global Biodiversity Ina., Shri publication, Jaipur.
13. Sinha Rajiv K., 1994. Development without Desertction  
14. Environmentalist, Jaipur. Sinha Rajiv K., 1996. Environmental Crises and Human at Risk, In A Shri Publication, Jaipur.
15. Smith, Dlanne, 1984. Urban Ecology, George Allen, London.
16. Swarnkar, R.C. 1985. Indian Tribes. Printwell publisher, Jaipur.
17. Tivy, Joy and O'Hugegreg, 1985. Human Impact on the Ecosystem Edinburgh George Allen Boyd.
18. United Nations Development Report, 1996. Human Development Report, 1996. Oxford University Press, Delhi.
19. Vannathony & Rogers Paul, 1974. Human Ecology and World Development, Flehum Press, New York.

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