University of Rajasthan
Jaipur
SYLLABUS
POST P.G. DIPLOMA IN
HUMAN ECOLOGY
2016
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 at least 50% marks (45% for SC and ST candidates).
### Post P.G. Diploma in Human Ecology
#### 1st Semester

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

### Post P.G. Diploma in Human Ecology
#### 2nd Semester

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


DHE 211 Field Studies
Suggested Readings: