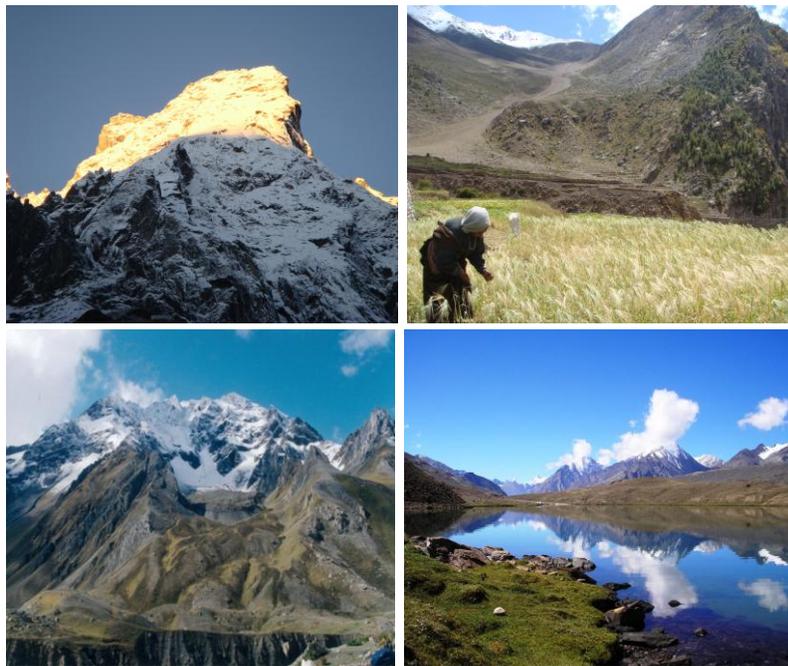


An IGNOU initiative for our Sustainable Future

**Leadership Programme
on
Himalayan Ecosystems
(LPHECO)**



**A Collaborative Programme of the
School of Extension and Development Studies (SOEDS)
and
Chair for Sustainable Development (CSD)
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Maidan Garhi, New Delhi – 110068, India**

Himalayas Quotes

*“The good shine from afar
Like the snowy Himalayas
The bad don't appear
Even when near
Like arrows shot into the night”*

*- Gautam Buddha
Dhammapada, 21, translated by Thanissaro Bhikkhu*

*It is difficult to conceive a grander mass of vegetation:—the straight shafts of the timber-trees shooting aloft, some naked and clean, with grey, pale, or brown bark; others literally clothed for yards with a continuous garment of epiphytes, one mass of blossoms, especially the white Orchids *Caelogynes*, which bloom in a profuse manner, whitening their trunks like snow. More bulky trunks were masses of interlacing climbers, *Araliaceae*, *Leguminosae*, Vines, and *Menispermeae*, *Hydrangea*, and Peppers, enclosing a hollow, once filled by the now strangled supporting tree, which has long ago decayed away. From the sides and summit of these, supple branches hung forth, either leafy or naked; the latter resembling cables flung from one tree to another, swinging in the breeze, their rocking motion increased by the weight of great bunches of ferns or Orchids, which were perched aloft in the loops. Perpetual moisture nourishes this dripping forest: and pendulous mosses and lichens are met with in profusion.*

*Sir Joseph Dalton Hooker
Himalayan Journals (1854), vol. 1, 110-1.*

About IGNOU

The Indira Gandhi National Open University (IGNOU) was established by an Act of Parliament in 1985 to broad-base the reach of education and provides cost-effective and quality learning facilities to large sections of our population, including those living in remote and far-flung areas. Today, it serves the educational aspirations of about 2.6 million students in India and about 36 other countries. IGNOU imparts the study programmes through 21 Schools of Study, with a network of 62 regional centers, more than 3000 study centers /tele-learning centers and around 60 overseas centers. The University offers need based academic programmes, including professional, vocational and general awareness programmes to the seekers. Most of these programmes have been created to fulfill the learners' need for:

- ◆ acquisition of academic and professional qualifications;
- ◆ continuing education and professional development at the work-place; and
- ◆ skill-enhancement

The methodology of instruction in the University is learner-centric. The teaching-learning process is through self-instructional learning materials, based on the credit system. The self-study is aided by the support facilities provided at study centres throughout the country. The Virtual Class provides an e-learning platform to deliver online programmes of the University. The online platform is a complete virtual learning environment suite covering all activities from registration to certification.

IGNOU offers 350 Certificate, Diploma, Degree and Doctoral programmes comprising around 1,600 courses. These are supported by faculty members and academic staff at the headquarters and Regional Centres. The academic counsellors drawn from conventional institutions of higher learning, and professionals from various organizations also give the necessary back-up. As of now, IGNOU has about 700 centres equipped with one-way video and two-way audio facility and more than 134 EduSat television based centers with interactive facility. The application of state-of-the-

art ICTs has further helped in reaching out to the hitherto un-reached sections of the society. Access, quality and equity are IGNOU's guiding principles.

IGNOU is also actively involved in research, training, extension and capacity building activities. It also co-ordinates and monitors distance education system throughout the country in its capacity as an Apex Body christened as the "Distance Education Council". It uses innovative technologies and methodologies and fosters convergence of existing systems of massive human resource required for promoting integrated national development and global understanding. To know more about the University please visit the website at <http://www.ignou.ac.in>.

Chair for Sustainable Development

With the declaration of 2005-2014 as the decade of education for Sustainable Development by the United Nations, Indira Gandhi National Open University (IGNOU) established in March 2007, a University level Chair, cutting across disciplines and schools, to develop and promote Education for Sustainable Development in India.

Eminent agricultural scientist Professor M.S. Swaminathan is the Honorary Chair for Sustainable Development at IGNOU. He is among the most distinguished and an internationally acclaimed leaders in agriculture and sustainable rural development. His original concepts and operationalisation of **Agenda 21** in the nature of ever-green revolution, bio villages and village knowledge centers for technological and knowledge empowerment respectively of the rural women and men, have set models not only for India, but for most of the developing countries.

Through the Honorary Chair, the IGNOU endeavors to enhance awareness among a wide spectrum of scientists, environmentalists, administrators, social scientists, policy makers and enlightened corporate sectors on the urgent and imperative need to put sustainability in the centre of all their endeavors. To know more about the Chair please visit the website at <http://www.ignou.ac.in/csd/home>. htm www.ignouonline.ac.in/save.

LEADERSHIP PROGRAMME IN HIMALAYAN ECOSYSTEMS

The issues of global ecological deterioration and recent impacts of global climate change has drawn the attention over the importance of Himalayan ecosystem which is first to be hit by these changes. Therefore, it is essential to upgrade people's awareness and concern through short educational programs with objectives to advance scientific knowledge, to evolve integrated management strategies, demonstrate their efficacy for conservation of natural resources and to ensure environmentally sound development in the entire Indian Himalayan Region (IHR). The educational modules would also encourage undertaking research and technology development linking with various National and International Organizations committed for the Himalayan and other mountainous regions.

PROGRAMME OBJECTIVES

- To sensitize and strengthen awareness about the Himalayan ecosystems in the context of Sustainable Development
- To link and evolve the linkages of livelihood and ecological security in the mountain region
- To improve the awareness among the stakeholders about the impact of climate change and management

Programme Structure

The programme is of one month duration and consists of four blocks. The fourth block refers to Project work based on practical exercises and case studies/ field visits. In order to be eligible for the award of the certificate, a student has to complete the following four blocks. The purpose is to provide an opportunity to the students to apply the knowledge they have acquired in course of study on scientific principles and technological methods underpinning the concept and pathways of Himalayan ecosystems and sustainable development. The students may take project work on any of the themes studied taking into account local field conditions. The students may also develop a research/ policy paper or prepare a plan of action based on the recommendations of Agenda 21 Plan of Action.

Duration

The programme can be completed in a minimum period of one month and a maximum period of six months.

Medium of Instruction

The Programme is offered in English.

Eligibility Requirements

The programme is open to the candidates who are Graduate in any discipline or its equivalent from any recognised University. The preference will be given to the post graduate scholars, scientists and policy makers working in the areas of agriculture, rural development, environmental science and sustainable development.

Credit System

The Leadership Programme on Himalayan Ecosystem is of four credits. One credit involves 30 hours of study by the students. Thus, for completing this course a student has to put in 120 hours of study.

PROGRAMME AND APPROACH

The Leadership program is designed to build scientific knowledge to understand sustainable development of Himalayan region by following a holistic and multidisciplinary approach involving interlinking of ecology, economy and society, under the following domains of four blocks. In order to be eligible for the award of the certificate, a student has to complete the following four blocks.

- Block 1 : An Introduction To Mountain Eco-System**
- Block 2 : Himalayan Livelihood Systems**
- Block 3 : Challenges To Sustainable Development**
- Block 4 : Project Work (Case Studies/Practical Exercise/Field Visits)**

The detailed structure of Leadership Programme on Himalayan Ecosystems is as follows:

BLOCK 1 – AN INTRODUCTION TO MOUNTAIN ECO-SYSTEM

Unit 1: Mountains of the world

Unit 2: Physical features of Himalaya

Unit 3: Himalayan Communities

Unit 4: Biodiversity

BLOCK 2: HIMALAYAN LIVELIHOOD SYSTEMS

Unit 1: Forest based

Unit 2: Crop and animal husbandry based

Unit 3: Allied Activities based

Unit 4: Service sector based

BLOCK 3 – CHALLENGES TO SUSTAINABLE DEVELOPMENT

Unit 1: Development Initiatives and concept of sustainable development

Unit 2: Unsustainable Use of Natural Resources

Unit 3: Climate Change and Disaster Management

Unit 4: Pathways to Sustainable Development

BLOCK 4 – PROJECT WORK (CASE STUDIES/FIELD VISITS)

Unit 1: Introduction to Agenda 21 and MDG

Unit 2: Assignments (to assess the analytical and conceptual understanding of the learner on Himalayas)

Unit 3: Case Study (field/literature based)

Evaluation System

The Leadership programme shall have three components for evaluation:

S. No	Component	Weight age
1.	Continuous assessment through assignments	30%
2.	Term end Examination	70%
3.	Project work	Satisfactory Report

Counseling

There shall be around 10 -12 counselling sessions of one hour duration each.

Fee Structure

1. Indian National :

The fee for the programme is Rs. 600/-

2. Foreign Student :

(a) Admission Fee

Foreign Student - US \$40

Foreign National residing in India - US \$40

(b) Examination Fee - US \$10 for both categories.

Facility for online payment is available through the payment gateway (Axis Bank & Credit Card) being offered by the University for online programmes. Student can also pay through Demand Draft (in favour of IGNOU, NewDelhi).

Online Platform

The Leadership Programme on Himalayan Ecosystem (LPHECO) shall be available online on the SAVE (Sustainable Action and Virtual Education) Platform. It is a

complete virtual learning environment suite covering all the activities from registration to certification. The following features shall be available to the registered students.

1. **Walk in admission:** Admission will be available throughout the year. There shall be four cycles in an academic year i.e. **February, May, August** and **November**. The two months period between the two cycles shall be used for advertisement and registration of the students for the next cycle. Registration form shall be specially devised with the facility of uploading scanned certificates, other required documents and photograph. Registration will be confirmed only after verification of the certificates and payment of the required admission fee.
2. **Integrated multimedia courseware:** Once registered, learners will have access to personalized learning space (My Page). This includes self instructional material, related audio/video, slides, self check exercises, etc. weaved in one platform.
3. **Online Counseling and mentoring:** Web cast based counseling integrated with text based chatting facility shall be used for counseling purposes.
4. **Online Project Platform:** Templates shall be made available for synopsis submission, project uploading and evaluation.
5. **Online Term End Examination:** Online examinations will be conducted in specified centers.

Course Contributors

➤ **Advisors:**

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2. Prof. V.N. Rajasekharan Pillai, Vice-Chancellor
3. Dr. Latha Pillai, Pro-Vice Chancellor and Executive Director, CSD

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5. Prof. Raghubir Chand, Kumaun University, Nainital

6. Dr. S.C. Rai, Department of Geography, Delhi University
7. Dr. R.K. Maikhuri, GBPIHED (GU), Srinagar
8. Dr. G.C.S. Negi, GBPIHED, Almora
9. Dr. Subrat Sharma, GBPIHED, Amora
10. Dr. J. Thapliyal, J.L.M. Institute, Mathura
11. Dr. Rajeev Semwal, New Delhi
12. Dr. C.S. Negi, LSMGPCollege, Pithoragarh, Uttarakhand
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