



Integrated Mountain Development with Special Reference to the Indian Himalayan Region

Semester -I: July - December 2020

Coordinator	Prof. Prakash C. Tiwari
Credits	100 Marks [4 ECTS]* 75 Marks End Semester Examination and 25 Marks Assignment
Lecturers	Decided in Departmental Meeting
Level	M.A./M.Sc.
Host institution	Department of Geography, Faculty of Arts, Kumaun University, Nainital
Course duration	One Semester [July - December]

Summary

This one full semester course provides the Master level students of Geography the basic understanding of the environmental significance of the mountain regions and the need of their sustainable development. It will present a comprehensive socio-ecological overview of the world's mountains and the impacts of the process of global environmental changes including climate change on high mountain regions, specifically Himalaya. Besides, it will also introduce students to mountain natural resources and role of local institutions mountain environmental governance; and need, approaches and strategies for sustainable mountain development. The course includes individual assignments.

Target Student Audiences

Semester - I Students of M.A./M.Sc.

Prerequisites

Required Courses (or equivalents):

- Environmental Management
- Ecology
- Introduction to Computer Science or Information Technologies,
- Environmental Management

Aims and Objectives

This course has been designed with a view to help students in developing a comprehensive understanding and knowledge of the critical environmental and developmental issues of important mountain regions of the world and need of their sustainable development in context of the Indian Himalayan Region. The main objectives of the proposed course are: (i) to help students in understanding the environmental and socio-cultural significance of mountain regions; (ii) to equip the students with the state-of-art recent knowledge about process, drivers and impacts of the environmental changes in the high mountains; (iii) to educate students about the role and significance of mountain institutions in environmental governance and sustainability; and (iv) to make students to realize to need of sustainable development of mountain regions and their people

* *Note: Kumaun University has Mark System at all Levels*



General Learning Outcomes:

By the end of the course, successful students will:

- The students would be able to demonstrate knowledge and understanding and formulate judgements of global significance and importance of mountain regions
- They would be able to reflect upon critically and logically the trends and impacts of global environmental changes on mountains
- Students will have the ability to identify and use data to formulate responses to fragility, marginality, vulnerability and productivity of mountain regions
- The students would be able to communicate knowledge, information, solutions techniques, tools and methods related to integrated mountain development to a wide range of stakeholders including experts, policy-decision makers, Non-Governmental Organization [NGOs], civil Society Organizations [CSOs] and common people
- The students would be able to apply their knowledge and understanding in the conservation and sustainable development on mountain natural resources

Overview of Sessions and Teaching Methods

The course will make most of interactive and self-reflective methods of teaching and learning including mainly lectures and presentations. It will start with an overview of global significance and importance of mountain regions. Subsequent sessions will combine interactive lecturing on different course components divided up into 5 Units, and individual assignments. The third part of the course is built around supervised preparation of short interdisciplinary dissertation by students.

Course Workload

The table below summarizes course workload distribution:

Activities	Learning outcomes	Assessment	Estimated workload (hours)
In-class activities [3 Hours Lecture Per Week Per Paper]			
Lectures and Presentations	Unit I- World Mountains and Indian Himalayan Region: The students would be able to understand and demonstrate very clearly the fundamental concept of integrated mountain development	End Semester Written Examination	09
Lectures and Presentations	Unit II - Mountain Natural Resources: The students would be able to reflect upon critically the environmental status, availability and utilization of mountain natural resources	End Semester Written Examination	09
Lectures and Presentations	Unit III - Global Environmental Changes and Mountain Region: The students would be able to formulate judgements on the impacts on global environmental changes on high mountains	End Semester Written Examination	09
Lectures and Presentations	Unit IV- Mountain Institutions and Environmental Governance: The students would develop the ability to identify the role of local institutions in environmental	End Semester Written Examination	09

	governance in mountains, and apply the knowledge in strengthening and reviving mountain institutions		
Lectures and Presentations	Unit V- Integrated Development in Himalaya: The students would be able to communicate knowledge and conclusions about the need and significance of integrated mountain development in Himalaya to both the specialist and non-specialist audiences; and will demonstrate the application of acquired knowledge for the sustainable development of Himalaya	End Semester Written Examination	09
Independent work [5 Hours Per Week Per Paper Self Study Including Writing Assignments]			
- Individual Assignments	Ability to analyze and interpret data, to use the concepts, tools, and methods for communicating information and conclusions; and making application of attained knowledge in finding practical and pragmatic solutions to various developmental problems and priorities of high mountains	Individual Presentations	75
Total			120

Grading

The students' performance will be based on the following:

- Written performance at the end Semester Written Examination 75%
- 25% based on the evaluation of 2 individual Assignments and attendance in classroom lectures

Course Schedule: Semester -I: July - December

Course Assignments

The Structure of Course Assignments will be as follows:

- The Course Teacher will set 5 detailed answer Questions one each from 5 Units.
- Each of the students will have answer 2 questions of his/her choice before the commencement of the Semester End Examinations.

Literature

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