

**POST GRADUATE CERTIFICATE IN
CLIMATE CHANGE (PGCCC)**

INFORMATION BROCHURE



School of Interdisciplinary and Trans-disciplinary Studies
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
NEW DELHI

ABOUT THE UNIVERSITY

The University was established by the Act of Parliament in 1985. The aim of the University is to democratize education for inclusive growth of the society. The University provides cost-effective and quality education to large sections of population including those living in remote and far flung area, at their doorstep.

The University offers need based academic, professional, vocational and awareness programmes in different areas of interests and specializations. The programmes have been designed with a view to fulfill the learner's need for:

- Improvement of skills/Self-enrichment;
- Acquisition of professional qualifications;
- Continuing education and professional development at workplace; and
- Diversification of knowledge.

The teaching-learning process is through self-instructional learning materials, based on a credit system. Self-study is aided by facilities provided at study centres throughout the country.

ABOUT THE SCHOOL OF INTERDISCIPLINARY AND TRANS-DISCIPLINARY STUDIES

The school of Interdisciplinary and Trans-disciplinary Studies (SOITS) was established in 2007 with a mandate for promoting academic study and research within and across conventional and emerging disciplines. It has moved to fulfil this goal by instituting innovative courses and programmes devoted to the study of social anthropology, labour and development, language and linguistics and peace and conflict among others. It has also promoted course offerings in the ODL mode in the sphere of Folklore and Cultural Studies, besides a new modular offering in the study of Philosophy at the undergraduate and graduate levels.

ABOUT THE PROGRAMME

The climate has always been changing since the earth was formed. Since the industrial revolution, a new era has arisen, the Anthropocene, in which human action have become the main driver of global environmental change. Climate change is increasingly recognized as a critical challenge to ecological health, human well-being and sustainable development. In the backdrop of importance placed on creating awareness on climate change science and adaptation strategies by various ministries under the Government of India, the programme was tailor-made to incorporate the developments in the domain of climate change with respect to human influences on climate, the consequences of climate change, climate change conventions and protocols. The learners will be enriched with knowledge on the impact of climate change on terrestrial and aquatic ecosystems. The potential threats of climate change on sectors like agriculture forest, fisheries, livestock and natural resources are covered extensively in the programme. The learners will be capacitated with the response options to the climate change like mitigation and adaptation strategies. For sustainable future, mitigation and adaptation measures are required to be main-streamed into the national policies and programmes.

PROGRAMME OBJECTIVES

- To expose the learners to the domain of climate change and conventions on climate change
- To acquaint the learners with impacts of climate change on terrestrial and aquatic ecosystems
- To equip the learners with the mitigation and adaptation strategies against climate change
- To develop an understanding on climate change assessment tools
- To acquaint the learners with interaction between climate change and society.

TARGET GROUP

- School and College level Teachers teaching Environmental Sciences related subjects.
- NGO professional, Environmental Executives, Policy makers, Journalists.

The problem of climate change transcends traditional academic boundaries and demands realistic and holistic solutions. This programme is aimed at both recent graduates wishing to specialize in climate change and sustainability, and professionals wishing to extend their knowledge and expertise or seeking a career change. Career opportunities in this wide and growing field are numerous: in industry, academics, consultancies and environmental agencies.

PROGRAMME STRUCTURE

The programme offered in ODL mode consists of 16 credits with four courses of 4 credits each.

Number of credits: 16 (4 Credits per course)

Age: No bar

Medium: English

Duration: Minimum 6 Months

Maximum-2 years

Programme Fee: Rupees 3800/-

Eligibility: Graduation in any discipline from a recognized university

Compulsory Courses: 3

Optional Course: Any one of the optional courses.

DETAILS OF THE COURSES

Compulsory Courses

MEV-021: INTRODUCTION TO CLIMATE CHANGE (4 Credits)

Block-1: Atmosphere and Climate

Block 2: Global Climate – Past, Present and the Future

Block 3: Climate Change Indicators

Block-4: Conventions on Climate Change

MEV-022: IMPACTS OF CLIMATE CHANGE (4 Credits)

Block-1:- Primary Sectors

Block-2- Natural Ecosystems

Block-3: Resources

Block-4: Urban Areas, Coastal Areas and Livelihood

MEV-023: MITIGATION AND ADAPTATION TO CLIMATE CHANGE (4 Credits)

Block 1: Introduction to Mitigation and Adaptation

Block 2: Agriculture, Forestry and Other Land Uses

Block 3: Energy, Industry and Transport Systems

Block 4: Human Health, Buildings and Waste Management

OPTIONAL COURSES (Choose any one of the optional course)

MEV-024: CLIMATE CHANGE ASSESSMENT TOOLS (4 Credits)

Block 1: Vulnerability Assessment

Block 2: Assessment Tools

Block 3: Assessment Techniques

Block 4: Application of Geoinformatics in Climate Change

MEV-025: CLIMATE CHANGE AND SOCIETY (4 Credits)

Block 1: Climate Change and Human Society

Block 2: Climate Change and Security

Block 3: Socio-Economic Dimensions

Block 4: Societal Responses to Anthropogenic Climate Change

For further information, kindly contact:

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