



**Post Graduate Diploma
in
Environmental
and
Occupational Health**

**INFORMATION
BROCHURE**



Indira Gandhi National Open University
School of Interdisciplinary and Trans-disciplinary Studies
Maidan Garhi, New Delhi - 110 068

About the University

Indira Gandhi National Open University (IGNOU) was established by an Act of Parliament in 1985 (Act No.50 of 1985). IGNOU, with international recognition and presence, provides seamless access to sustainable and learner-centric quality education, skill up gradation and training to all by using innovative technologies and methodologies and ensuring convergence of existing systems for massive human resource required for promoting integrated national development and global understanding. The University has been in existence for only two decades. In such a short time, the University has contributed significantly to higher education and continuing professional development in the country catering to the education of about 13 per cent of total students enrolled in higher education (and more than 50 per cent of total students in distance education) in the country. As a world leader in distance education, IGNOU was conferred the **Centre of Excellence Award** in Distance Education in 1993.

About School of Interdisciplinary and Trans-disciplinary Studies (SOITS)

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 fulfill 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, and study of Philosophy at the undergraduate and post graduate levels.

Title of the Programme: Post Graduate Diploma in Environmental and Occupational Health

Programme Code: PGDEOH

About the Programme

Environmental and Occupational Health focuses on assessing the public health risks associated with biological, chemical, physical, biomechanical and psychosocial hazards in natural and built environments. Environmental health specialists focus on the effect of environmental pollution on the health of human beings. The human health is a reflection of socio-economic & physical environment. The main link between the workplace and the general environment is that the source of the hazard is usually the same, whether it is an agriculture activity or an industrial activity. The Programme aims at various concepts related to general environment, environment at the work place, related hazards and evaluation of health risk assessment by providing solutions to various aspects of environmental health occupational hazard management, epidemiology, health policy and management, and environmental health promotion. The successful learners will be able to work with health practitioners, researchers and policy makers to develop, evaluate and monitor health policies, programmes and practices related to healthy environments.

As per the Ministry of Environment and Forests, Environmental and Occupational health centers are mandatory at hazardous process factories/unit and full time environmental and occupational health specialists are required when the number of employees in the concerned unit exceeds 200. As per the secondary data available there is an urgent need for competent professionals in this field.

Programme Objectives

After completion of Post Graduate Diploma in Environmental and Occupational Health programme the learner will be able to:

- Define physical, chemical, biological and environmental hazards.
- Discuss the impact of environmental hazard on human health.
- Identify the occupational hazards, their prevention and management.
- Describe the policies, laws, standards, measurement techniques and application in different occupational setups.

Target Group Profile and Admission Criteria

Applications to this programme should possess 10+2 in Science stream and graduation from any discipline. Applicants must possess a strong inclination and desire to build a career in Environmental and Occupational

health and should also have an interest in issues related to public health and the environment. The admission criteria will be followed as per IGNOU norms.

The programme will be offered in the open and distance learning (ODL) mode.

Programme Fee: Rs. 6,600/-

Duration: Minimum 1 year and Maximum 3 years

Medium: English

Programme Structure

Compulsory Courses

Courses	Course Code	Credits	Course Title	Block Name
Course-1 (Compulsory)	MEV-001	4	Introduction to Environmental Health	Block 1: Environment and Ecology Block 2: Air, Water and Soil Pollution Block 3: Noise, Radiation, Solid Waste, Electronic Waste Pollution Block 4: Environmental Health Monitoring
Course-2 (Compulsory)	MEV-002	4	Environmental and Occupational Hazards	Block 1: Natural Hazards Block 2: Environmental Hazards Block 3: Occupational Hazards Block 4: Management of Natural Hazards, Environmental Hazards and Occupational Hazards
Course-3 (Compulsory)	MEV-003	4	Environmental Law and Management	Block 1: Environment Acts Laws & Policy Block 2: Awareness Responsibility and Compliance Block 3: Environmental Management Techniques Block 4: Environmental Standards
Course-4 (Compulsory)	MEV-004	4	Environmental Toxicology	Block 1: Introduction to Toxicology Block 2: Eco-toxicology Block 3: Environmental Toxicity Risk Assessment Block 4: Environmental Cytotoxicity and Genotoxicity
Course-5 (Compulsory)	MEV-005	4	Occupational Health and Safety	Block 1: Basics of Health Block 2: Emergency, Disaster Preparedness and Management Industrial Setting Block 3: Occupational Safety and Management Block 4: Recording and Notification Block 5: Research Methodology
Course-6 (Compulsory)	MEVP-001	4	Project	1. Project Guidelines 2. Submission of Synopsis 3. Submission of Project
Course-7 (Elective)	MEVE-001	4	Environmental Impact Assessment for Environmental Health	Block 1: Introduction to Environmental Impact Assessment Block 2: Air, Water Quality and Socio-economic Impact Analysis Block 3: Noise, Energy, and Vegetation Impact Analysis Block 4: Framework of Environmental Assessment
Course-8 (Elective)	MEVE-002	4	Health Care	Block 1: Biological Hazards Block 2: Chemical and Allergic Hazards Block 3: Physical Hazards Block 4: Psychosocial Hazards Block 5: Awareness and Responsibility

Course-9 (Elective)	MEVE-003	4	Agriculture and Allied Sector	Block 1: Agricultural Pollution Block 2: Livestock and Aquaculture Pollution Block 3: Sustainable Agricultural Management Block 4: Challenges to Agricultural Environment Health
Course-10 (Elective)	MEVE-004	4	Industrial Sector	Block 1: Industrial Pollution: Textile, Mining, Pesticide and Tanning Industries Block 2: Industrial Pollution: Automobile, Paint, Pharmaceutical, Personal care products, Construction and Other Industries Block 3: Industrial Risk Assessment and Safety Acts Block 4: Industrial Safety Management

Programme Package

The programme has a blended approach. The package consists of self instructional material in the form of booklets/blocks and audio video materials. Web support will be available consisting of interactive content, quiz, synchronous and asynchronous modes of communication like chat sessions, discussion forums, web resources etc.

Credit System

In IGNOU parlance, the study hours are measured in credit system. One credit is equivalent to 30 learning hours. For example, 32 credits of Post Graduate Diploma in Environmental and Occupational Health programme means an average student will be required to give 960 hours (32 x 30) of input for this programme. While undergoing the programme, students would be involving themselves in the activities like theory reading, undertaking a project, video viewing, accessing the web support content, participating in chat sessions and discussion forums etc.

Implementation Plan

The programme is implemented through a network of Programme Study Centres (PSCs). A team of trained teachers called counselors have been identified and trained for organizing and conducting counseling sessions, assignment and project evaluation in the Programme Study Centres. The administrative control is through the Regional Centres (RCs) of IGNOU located usually at state capitals in India and the School of Interdisciplinary and Trans-disciplinary Studies located at the IGNOU Headquarters, Delhi, India.

Evaluation

Evaluation is done through the assessment of various courses. Evaluation in the form of assignments (continuous assessments) and term end examination of the various courses. A minimum of 40 per cent marks in each component separately is required for successful completion of the programme. The learner has to complete 6 core courses and 2 electives in total 8 courses with 32 credits to get the certificate. Term-end examination of theory is held twice in a year i.e. June and December. After successful completion of the programme the learners are awarded a certificate.

How to Apply

Student Handbook & Prospectus would be available from the Registrar (SRD), IGNOU, Maidan Garhi, New Delhi-110068 and at all Regional Centres, Study Centres, and IGNOU ARMY, NAVY, AIR FORCE and ASSAM RIFLES Recognized Regional Centres. Student Handbook and Prospectus are also available on the university's website www.ignou.ac.in. Information about the courses provided here is partial and should not be treated as comprehensive. i.e. The institution would be offering other course than those mentioned here. Students are advised to check with the institution website for the latest information in regard to the course.

Contact Details

Name of the School: SOITS

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