

Programme design for one year M.Phil in Natural Resource Management

The Programme shall consist of (i) core courses (ii) special components in form of field study tours, seminars, panel discussions and experiential presentations and (iii) thesis component, which shall be the centre stage of the program.

(i) Core Courses

The Core Courses shall provide the theoretical underpinning, conceptual and analytical tools and fundamentals on which subsequent parts of the M.Phil Programme are to be built. These include courses on ICT and E-Governance, Management of Natural Resources, SFM and Forest Certification, Livelihood and Biodiversity Management, Elements of Climate Change, Research Methods, Environmental Impact Assessment, Civil Society & Corporate Environment Responsibility, Geo- informatics, Integrated Water Resource Management and Extension Methods

(ii) Special Components

a. Study tour

The purpose of the study tour shall be to expose and sensitize the participants to the conditions prevailing in natural resource management sector. The field study shall also provide an opportunity to examine the various natural resource management policies that are being implemented in India and their impact on environment and people. They will also examine the interplay of various forces and their implications in the delivery of Governmental Programmes. Participants will visit identified areas in different parts of the country and be exposed to the real life situations in the areas of natural resource management. On completion of the study tour, each participant would be required to prepare a report. The study tour reports shall be presented at a seminar.

b. Workshops/Seminars on Contemporary Issues/Special Lectures/Panel Discussions

These will address both national and international developments and challenges in areas such as: Reforms in natural resource Governance; Global Environmental and Ecological Crises; Climate change issues; Environmental Concerns; Sustainable Development; livelihood and biodiversity; Disaster Management. It will provide a forum to discuss and debate these issues with Eminent Scholars and Practitioners. The candidates from time to time shall also give seminar presentation on the chosen topics in front of the Faculty, Director and one or two invited external experts. This will improve the skill of advocacy, presentation and communication skills of the participants.

c. Experiential Presentations

Experiential presentations shall be unique in the way that it will provide opportunity to each participant to share his experience of any issue related to natural resource management with the co-participants. The focus will be on specific situations he/she had faced at some point in his/her career. The presentation could revolve around innovations in the policy formulation,

project planning and implementation etc either at the field level or regional or national level.

d. Foreign Study tour

The foreign study tour shall be organized with a view to expose the participants to the contemporary practices in other countries and the lessons that can be learnt from them. The participants will be taken to leading institutions/organizations in the selected countries to interact with policy makers and other government functionaries. On their return, participants would be preparing reports on various facets covered during the visit, followed by group presentations. For this purpose Institute may identify institutes abroad, where such visits can be organized.

(iii) Dissertation

The dissertation component shall occupy the centre stage in the M.Phil Programme. Participants are expected to make an in-depth analysis of a specific problem and examine its ramifications. The research proposal outlining the research questions and the methodology to be adopted would constitute the first stage. The proposal will then be presented to a panel of experts and participants for suggestions/ comments. The topic for the dissertation will be finalized after the research proposal is approved by the concerned Supervisor. Participants would be encouraged to start working on their dissertations as early as possible.

The participants shall be making a substantial contribution to the theory and practice of natural resource management in area of their interest and demonstrate their analytical skills in the process. Participants are expected to undertake a thorough literature review of the chosen subject area and select a topic that is of special interest to them and that which may be of relevance to their sponsoring organization.

The thesis work would be carried out under the guidance and supervision of a faculty member.

Curriculum of M.Phil in Natural Resource Management

The curriculum is designed to impart knowledge and skills considered essential for natural Resource Managers to operate successfully in the dynamic and complex environment. It sharpens and deepens the participants' understanding at different levels by maintaining the balance between immediate on-the job requirements and long-term growth requirements. The basic thrust of the curriculum is to help the participants to acquire conceptual and analytical abilities in relation to the field realities, required for managing natural resources effectively.

The course is of 12 months duration, consisting of two class room terms, fieldwork and dissertation. The programme commences from first week of July, 2011. The entire programme is of 25.0 credit units. It is a compulsory package of 15 courses spread over in two terms, having 1.0/0.5 credit each. 1.0 course comprises 30 classroom sessions and 0.5 credit courses comprises 15 class room sessions. The classroom sessions are designed to provide basic knowledge and practical understanding of concepts, tools and techniques in Natural resource management. The course lays emphasis on self-growth through seminars,

fieldwork, case studies, and class room discussions. The term wise details of the courses are given as follows:

M.Phil in Natural Resource management

Term I (three Months)

1. ICT and E-governance ***0.5 Credit**
2. Management of natural resources **0.5 Credit**
3. SFM and Forest certification **0.5 Credit**
4. Livelihood and biodiversity management ***1.0 Credit**
5. Elements of climate change **0.5 Credit**
6. Research methods **1.0 Credit**
7. Environmental impact Assessment **1.0 Credit**
8. Civil society & corporate environment responsibility **0.5 Credit**
9. Geo informatics **1.0 Credit**
10. Integrated water resource management **0.5. Credit**
11. Extension methods **0.5 Credit**

Two weeks field study tour (0.5 Credit)

A two week study tour at various sites where work related to NRM and corresponding to the syllabus shall be organized to give candidates a real time exposure to the sector. All candidates shall write a tour report at the end of the field tour. The report shall be presented and evaluated by a panel of faculty members.

Two week dissertation problem formulation

All candidates shall be requested to put their dissertation problem in final shape during this period and the synopsis shall be presented in front of the dissertation committee along with the guide to finalize the research methodology and study design.

Term II (three months)

1. Environment & Climate Change: Policy & Law **1.0 Credit**
2. Climate Change Impacts, Mitigation and adaptation **1.0 Credit**
3. Economic valuation and accounting of ecosystem services **1.0 Credit**
4. Energy management **1.0 Credit**
5. Risk assessment and disaster management **0.5 Credit**
6. Clean Development mechanism **1.0 Credit**
7. Carbon finance (REDD). **1.0 Credit**
8. Climate Change and community well being **1.0 Credit**

Two week foreign study tour (0.5 Credits)

The foreign study tour shall be organized with a view to expose the participants to the contemporary practices in other countries and the lessons learnt from them. The participants will be taken to leading institutions/organizations in the selected countries to interact with

policy makers and other government functionaries. In their return, participants would prepare reports on various facets covered during the visit, followed by presentations. The presentation and report shall be evaluated by panel of faculty members.

Term III

Dissertation (9 Credits)
(Three & half months including defense)

The dissertation work would be initiated in the second term. Based on participant's area of interest and programme objectives, the guide(s) would be opted by the candidate. Dissertation component shall include data collection in field, report writing and viva-voce.