

## **OUTLINE OF THE SYLLABUS**

**FOR**

**TWO YEARS' FULL TIME**

**MASTERS COURSE – M. ARCH. (LANDSCAPE ARCHITECTURE)**

### **FIRST YEAR**

#### **Semester I –**

**This semester introduces to basic subjects like Natural Sciences, Landscape Technology; Theory of Landscape Architecture; Plants and Design .These subjects also find application in the design studio of Landscape Design.**

#### **Natural Sciences**

This subject will cover Botany, plant systematics, geology and soil sciences and hydrology and Microclimate. It also deals with Man - Environment relationship.

#### **Landscape Technology**

Understanding the tools and techniques to shape the existing land in the form of intended design.

#### **Theory of Landscape Architecture**

This subject uses instances from world landscape history . Development of landscape through understanding of the natural and cultural factors of the place in spatial and temporal framework. Establish a relation to allied design and art forms which served as inspiration to the work of a landscape architect. This semester deals with the Oriental, Western and Central history till the 19<sup>th</sup> Century.

#### **Plants and Design**

Planting design at various scales through proper understanding of the role of plant material in improvement of the environment visually and physically. This is supported by site visits, assignment and design exercises.

#### **Landscape Design Studio**

Studio work deals with understanding and / or resolving of basic landscape design issues and elements through study of existing landscapes. Studying elements of landscape design and landscape treatment

#### **Semester II –**

**This semester introduces to advanced studies of some subjects covered in the first semester like Landscape Technology and Advanced Landscape Construction, Theory of Landscape Architecture, Ecology and Ecosystem Analysis, Landscape Professional Practice. All these subjects and previously learnt subjects find their application in this semester's landscape design studio.**

### **Landscape Technology and Advanced Landscape Construction**

This subject deals with current practices in landscape engineering for various specialized areas like highways, parkways, disturbed landscapes like quarries, degraded wastelands, overexploited waterfronts etc , roof landscapes etc . It also deals in detail the landscape services and construction techniques.

### **Theory of Landscape Architecture**

This semester deals with contemporary landscapes and how environmental issues and ecological issues have been resolved.

### **Ecology and Ecosystem Analysis**

This subject deals with understanding the ecology, systems ecology and work on statistical methods of ecology and ecosystem management.

### **Landscape Professional Practice**

It covers all the techniques to make the drawing / design executable.

### **Landscape Design Studio**

Understanding and resolving complex issues at various scales and situations in an urban fabric of residential/ commercial/ institutional/ recreational landuse and flat / contoured site.

## **SECOND YEAR**

### **Semester III –**

**This semester introduces to more complex scale and subjects like Landscape Conservation, Environmental Legislation and Economics, Regional Landscape Planning, Landscape Management, Land Information Systems and Computer Applications.**

**Research Paper allows you to study a topic of interest in detail which can be later taken up to study in detail or can be related to Thesis. All these subjects and previously learnt subjects find their application in this semester's landscape design studio which deals with more complex issues related to landscape and environment.**

## **Landscape Conservation**

The subject deals with soil conservation, environmental conservation, historic conservation of landscapes and meaningful integration in the design. Landscape Design depends on various values of various important elements on site based on their assessment. The course discusses different kinds of landscape that are and need to be conserved and methodology adopted. Use of bioresources, natural energy sources eg. Solar, wind, water.

## **Environmental Legislation and Economics**

Introduction to law and legal system concept in India and its comparative analysis with other similar countries. The subject aims at introducing the students to legal aspects in relation to environment. Studying economic aspects of landscape design and planning.

## **Regional Landscape Planning**

Understanding Biodiversity, concepts and inventory, use of bioresources, wasteland management strategies and technologies, landscape planning and policies at regional scale, EIA, Forestry management.

## **Landscape Management**

The practice of the profession of landscape architecture is dealt with in great details during the course. The maintenance, execution procedures, implementation mechanisms and management of the landscape project form part of it.

## **Land Information Systems and Computer Applications**

Remote Sensing and GIS have become significant and precise tools to work at larger regional scale. Use of these tools to understand a region in 3-dimension and ensures use of updated information and co-relation with other elements.

## **Research paper**

The topic of the elective to be taken such that it supports the thesis subject and helps to develop an efficient and focused approach regarding the same.

## **Landscape Design Studio**

Understanding of ecologically sustainable development is the underlying theme.

## **Semester IV-**

**This semester is a crucial semester where you take up a fulltime study topic and deal it in detail. This semester also gives you an opportunity to study some of the above subjects covered in previous semesters in more detail in the subject – electives.**

### **Dissertation**

Each student is required to prepare an independent study with reference to a special subject before the end of third semester in consultation with the faculty members.

### **Electives**

This subject gives an opportunity to study any one topic in detail of any one of the following subjects – Advanced Landscape Technology, Advanced Landscape Management, Advanced Landscape Conservation, Advanced Regional Landscape Planning, and Advanced Landscape Soft wares