



LANDSCAPE ARCHITECTURE AND SITE PLANNING - BASIC FUNDAMENTALS

PROF. UTTAM KUMAR BANERJEE

Department of Architecture & Regional Planning
IIT Kharagpur

TYPE OF COURSE : Rerun | Elective | UG

COURSE DURATION : 8 weeks (15 Feb' 21 - 09 Apr' 21)

EXAM DATE : 24 Apr 2021

PRE REQUISITES : Nil

INTENDED AUDIENCE : Interested students

INDUSTRIES APPLICABLE TO : This course would be very useful for the Govt. or Private, Horticulture and Gardening departments, Plant Nurseries and any individual Landscape connoisseurs.

COURSE OUTLINE :

In the event of rapid urbanization there is a trend of fast depletion of natural resources especially the vegetation. Depletion of natural ground-cover and Landscape is one of the major sources of natural hazards, such as Landslide, Flood, Heat Island, Soil erosion etc. There is growing interest in this field of knowledge. This course is tailored very effectively to introduce all aspects of Plant sciences, Planting design techniques, Garden maintenance and management. This course would be very useful for the students as well as practicing architects, planner, engineers and common people. The lectures would be supported with real-time illustrations through sketches and analysis, in addition to the digital illustrations time to time. These would result in easy comprehension by the students of different level of ability and Exposure. Multiple illustrations with case studies would be the strength of this course disseminated with lucid lectures.

ABOUT INSTRUCTOR :

Uttam K. Banerjee is currently a senior Professor in the Department of Architecture & Regional Planning, as well as Joint-Faculty in the RCG School of Infrastructure Design and Management at the Indian Institute of Technology Kharagpur, where he has served as the Head in both the departments from 2004 to 2007 and 2011 to 2014 respectively. He has graduated with Bachelor of Architecture (B.Arch), post-graduated with Master of City Planning (MCP) and Ph.D. in Transportation system evaluation from Indian Institute of Technology Kharagpur. He has a wide spectrum of knowledge with academic, research and professional experience in the multiple domains associated with Architecture, Planning, Infrastructure management, Facility Planning and asset management, Landscape, Environment and Computer Applications. Over the past years he had been constantly exposed to professional negotiations, interactions, as well as interviews.

COURSE PLAN :

Week 1: Introduction to Landscape Design

Week 2: History of Landscape

Week 3: Landscape Elements

Week 4: Site Analysis

Week 5: User Analysis

Week 6: Landform Design

Week 7: Drainage Design

Week 8: Plant Sciences and Plant Maintenance