L.J. SCHOOL OF PLANNING

MASTERS OF URBAN AND REGIONAL PLANNING

SEMESTER-2

COURSE TITLE	**INFRASTRUCTURE PLANNING**
COURSE CODE	040070203
COURSE CREDITS	2
NUMBER OF SESSIONS	20
COURSE TYPE	Core
COURSE OFFERED IN	Sem 2
DEPARTMENT	L.J. School of Planning
COURSE FACULTY	Akansha Upadhyay

COURSE DESCRIPTION:

The objective of this course is to make the students familiar with Quantity and quality, source of supply, transmission and distribution, treatment methods, design guidelines, concepts, disposal systems and disposal system Storm water drainage systems
In this course, students also explore Basic principles of Transport infrastructure design; Traffic and transportation surveys and studies, traffic and travel characteristics; urban transport planning process stages, study area, zoning, data base, concept of trip generation Transport, environment and safety issues; principles and approaches of traffic management, transport system management.

Evaluation criteria:

The evaluation is based on two distinct components, viz. assignments/reviews/hands on from Modules1, 2, 3 and 4 and an end-Semester written examination covering all Modules.

Type Weightage (%)

Test I Oral Review / Presentation - 10%
(Class exercise - Identification of a project live or hypothetical and carry out PM related SOP's, time schedule development, cost management plan, HR, procurement and close out stages.)
Internal test - 20%

Test II Project Review presentation - 20%
Test III Written Examination - 50%

Pedagogical approach:
Classroom lectures, review papers, students' presentations, case studies discussion on various theories of development & Planning.

COURSE CONTENTS			
Module	**Topic**	**Lectures**	**Hours**
1.	**Water supply & Sanitation** 1. Quantity and quality, source of supply, transmission and distribution, treatment methods, design guidelines. 2. Sanitation concepts, disposal systems, low cost sanitation options; engineering aspects of sewage disposal; 3. Wastewater generation, disposal system Storm water drainage systems	4	8
2.	**Solid waste disposal & Management** Basic principles, generation, characteristics, collection, disposal, management.	3	6
3.	**Fire and Electrification, and Social Infrastructure** Planning for fire protection, services and space standards, location criteria; Planning for Education, health, civic, cultural infrastructure	3	6
4.	**Traffic and transportation** Planning for infrastructure and facilities for transport	6	12
	Total	**16**	**32**