



**School of Planning and Architecture: Vijayawada**

(An institution of National Importance under the Ministry of Human Resource Development, Govt. of India)  
Survey No.4/4, ITI Road, Vijayawada-520008, Andhra Pradesh, India

**Department of Architecture**

**Course:** Landscape Engg-I (MLAR115)  
**Instructors:** Kapil Natawadkar

**Class:** 1st Yr M. Arch ISem A.Y. 2021-22

**Internal Assessment:** 50

**External Theory Exam:** 50

**Total Marks:** 100

**Credits:** 2

**Contact Periods/ week:** 04 periods.(50 min each)

**Time Table:** Tuesday

**Attendance:** Min 75%

**Min. Passing Marks:** 50% each in Internal & External Assessment, 50% in Aggregate

**Objective:** To develop a complete understanding of a site and the surroundings, with a whole-to-part approach on a holistic basis. Students must examine the natural, cultural, and social systems that affect the design decisions, as well as the language and literature of landscape architecture.

Studies to be undertaken on land development planning to appraise students in environmental, economic, legal, and visual issues associated with land planning process

**Out Line of the Course :**

Explore the

techniques of Site analysis, landscape drawing and site elements.

Understand the grading & design as closely related & dependent processes.

Understand the site drainage and creation of drainage plan.

**LECTURE PLAN**

WEEK	DATE	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK& ASSIGNMENTS / REMARKS
Week-1	20-Aug-24	Introduction to subject. Site Survey and mapping.	Lecture +Interpolation of Contours
Week-2	27-Aug-24	Understanding contours and their characteristics, graphical representation.	Lecture +Visualization of Landforms
Week-3	03-Sep-24	Processes and practices of site planning and development.	Lecture +Interpolation of Contours
Week-4	10-Sep-24	Grading and basics of road or circulation	Lecture +Road Grading
Week-5	17-Sep-24	<b>Internal Assessment -1</b>	<b>Internal Assessment -1</b>
Week-6	24-Sep-24	Site planning process and its significance	Lecture +Parking grading
Week-7	01-Oct-24	<b>Mid Semester</b>	<b>Exam</b>
Week-8	08-Oct-24	Landform modulation and Drainage	Lecture +Parking grading
Week-9	15-Oct-24	Types of drainage systems, design of drainage elements	Lecture +Earthwork computation
Week-10	22-Oct-24	<b>Internal Assessment -2</b>	<b>Internal Assessment -2</b>
Week-11	29-Oct-24	Earthwork- cut and fill processes, volume computation	Lecture
Week-12	05-Nov-24	Landscape simulation and site utilities: Lighting, Utilities and street furniture.	Lecture
Week-13	12-Nov-24	Overall consideration of external electrical, plumbing co-ordination vis-à-vis routing and interface with landscape elements.	Lecture +Landscape hardscape Detailing
Week-14	19-Nov-24	Landscape Construction : hardscape /softscape and working drawings.	Lecture +Hardscape Quantities calculation
Week-15	26-Nov-24	<b>Internal Assessment -3</b>	<b>Internal Assessment -3</b>

S. No.	Stages of Evaluation	Weightage
1	First stage: Assessment –1	15
2	Second stage: Mid-semester Examination	20
3	Third stage: Assessment –3	15
	Total	50

**Reference Books:**

Suggested Readings

1. ines, C.W.H.N.T. (2001) Time saver Standards for Landscape Architecture, Mc. Graw Hill.
2. Hack, K.L.a.G. (1984) Site Planning , MIT PRESS.
3. Hamid, S. (1985) Urban Design Process , Van Nostrand Reinhold.
4. Hopper (n.d) Landscape Architectural Graphic Standards Student Ed., John Wiley and Sons Inc.
5. Ingels, J.E. (1992) Landscaping – Principles & Practices , Pelmer Publishers Inc.
6. Lovejoy, D. ( 1973) Land use and Landscape Planning, Barnes & Noble.
7. Lynch, K. (1994) A Good City Form , MIT PRESS.
8. Mukoda, N. (1990) Street furniture, Bijutsushuppan – sha Ltd.
9. Niall, K.a. (n.d) The Art of Landscape Detail: Fundamentals, Practices and Case Studies.
10. Reid, G.W. (1987) Landscape Graphics, Watson , New York: Guptill publication.

**Head of Department/Coordinator:**

**Course Instructors:**

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(Kapil Natawadkar )

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