

	School of Planning and Architecture, Vijayawada	
	(An institution of National Importance under the Ministry of Education, Govt. of India)	
	Survey No.4/4, ITI Road, Vijayawada-520008, Andhra Pradesh, India	

Department of Architecture

Course: MUD (114) THEORY	Class: MUD – I Year, I Sem (2024-25)	Coordinator: Ar. Siddesh Mundle
Credits: 3 (1 lecture +2lab) 1lab hrs - Coordinator 2lab hrs - Guide	Contact Hours of Coordinator per week: 03 hrs (1L +2lab)	Time Table Tuesday, 09:00 AM-11:45 AM
Internal Assessment Marks: 50	External Theory Exam: 50	Total Marks: 100
Min. Attendance: 75%	Min. Marks: 50% both in Internal & External	

Subject Objective:

To develop skills that enable an urban designer to deal with ecology and biodiversity and large sites in a comprehensive manner from ecological considerations to the design of services and related infrastructure.

Lecture Plan:

Week No.	Topic (Lecture/ Discussion/ Assignment)	Methodology/ Details
Week 01	Importance of Ecology and Biodiversity in city design, Introduction to Site and Context	Presentation. Discussion
Week 02	Site planning as 'process' and 'theory' – Objectives of site planning	Presentation. Discussion
Week 03	Site resource systems Physiography Geology and soils Hydrology	Presentation. Discussion (GIS Lab)
Week 04	Geology and Edaphic Parameters	Assignment-1 (Group Presentation)
Week 05	14-09-2023 to 22-09-2023- Field Trip for studio	
Week 06	Geological sample study & Micro-climate, Vegetation Wildlife, terrestrial and aquatic and Geographical settings, and siting	Landscape lab (For understanding types of soil) Climatology lab (For understanding Micro Climate)
Week 07	Mid-Semester Assessment.	Assignment-2 – M.C.Q Test (Question Paper)
Week 08	Road layout and parking in Site planning	Presentation. Discussion
Week 09	Sewerage, water supply, and electricity.	Presentation. Discussion
Week 10	Cultural resources	Presentation. Discussion
Week 11	Site grading and drainage	Expert Lecture -Ar. Kapil Natawadkar -Landscape Architect (Faculty, Department of Architecture, SPAV)
Week 12	Site reconnaissance - Surveys and overlays	Assignment-1 – Local site visit and Survey -Report Submission and presentation (Group Assignment)
	Dussehra Vacation 20.10.2023 to 24.10.2023	
Week 13	Ecological factors in site evaluation - processes, theories, and approaches	Presentation and Classroom discussion
Week 14	Urban vegetation, planning & Maintenance	Presentation and Classroom discussion
Week 15	Micro Climate Region Case study for various region on Vijayawada	Assessment-3(Group Assignment-Presentation and Report Submission)

Evaluation

Stage-1	Assessment-1	Geology and Edaphic Parameters Assignment-1(Group Presentation)	15
Stage-2	Assessment-2	Mid-Semester Assessment.	20

Stage-3	Assessment-3	Micro Climate Region Case study for various regions on Vijayawada (Group Assignment- Presentation and Report Submission)	15
End of Classes -02.12.2024			
END SEMESTER EXAMINATIONS (16.12.2024- 21.12.2024)			
Learning Outcomes:			
Students will be enabled to deal with varying site-based natural and ecological systems with reference to urban design projects and the city at large.			
References:			
1. B.C.Punmia, Ashok K. Jain, Ashok Kr. Jain, Arun Kr. Jain, "Surveying", Vol.I, Firewall Media, 2005. 2. P.B.Shahani, "Text of surveying", Vol. I, Oxford and IBH Publishing Co, 1980 3. Joseph De. Chiarra and Lee Copple man, "Urban Planning Design Criteria", Van Nostrand Reinhold Co., 1982 4. Storm Steven, "Site engineering for landscape Architects", John wiley & Sons Inc, 2004. 5. White, Edward T. Site analysis: Diagramming information for architectural design. Architectural Media, 1983. 6. Lynch, Kevin, Kevin R. Lynch, and Gary Hack. Site planning. MIT press, 1984. 7. LaGro Jr, James A. Site analysis: Informing context-sensitive and sustainable site planning and design. John Wiley & Sons, 2013.			
Dr. Srinivas Daketi (Head of Department)		Ar. Siddesh Mundle (Subject Coordinator) (SD)	