



NU/AC/AC-300621/8(E)/21-85
Date: 23.09.2021

NOTIFICATION

- Read: 1. R-44 – Empowering the Academic Council to approve Teaching & Examination Scheme, Syllabi, etc published vide notification No. NU-442 dated 27.01.2004
2. Resolution No. 3(E) – Faculty of Architecture & Planning meeting – 09.04.2021
3. Resolution No. 8(E) – Academic Council meeting – 30.06.2021

Sub: Introduction of Programme Structure of Semester-I to IV and Teaching & Examination Scheme and Syllabi of Semester-I of M.Arch. (Urban Design) programme under Faculty of Architecture & Planning

It is hereby notified for information of all concerned that the Academic Council in its meeting held on 30.06.2021 under resolution No. 8(E) in exercise of powers conferred upon it by the Board of Governors under regulation mentioned at serial 1 above and taking into consideration the recommendations of the Faculty of Architecture & Planning, has resolved to approve the introduction of Programme Structure of Semester-I to IV, Teaching & Examination Scheme and Syllabi of Semester-I **Master of Architecture (Urban Design)** programme under Faculty of Architecture & Planning, to be made effective for the students to be admitted from academic year 2021-22 onwards as per *Appendix-A* attached herewith.

Executive Registrar

Encl.: Appendix-A [Pages: 1 to 14]

To,

1. Dean, Faculty of Architecture & Planning
2. Academic Coordinator
3. Dy. Registrar: Exam; IAP

Copy to,

1. Exam Sec.
2. OS
3. Library
4. P.A. to ER

c.f.w.es to: Director General

NIRMA UNIVERSITY
Institute of Architecture and Planning
Master of Architecture (Urban Design)

Teaching & Examination Scheme
Semester - I

Sr. No.	Course Code	Course Title	Teaching Scheme				Examination Scheme			
			L	W	S	C	Duration (Hours)	Comp. Weightage		
							SEE	CE	LPW	SEE
1	3MAUD01	Studio - Neighbourhood Planning & Design	-	-	12	12	-	0.5	0.5	-
2	3MAUD02	Urban Design History & Theory	2	1	-	3	3	0.5	-	0.5
3	3MAUD03	Ecology and Environment	2	1	-	3	-	0.5	0.5	-
4	3MAUD04	Landuse and Transportation Planning	2	1	-	3	3	0.5	-	0.5
5	3MAUD05	Urban Sociology	2	-	-	2	3	0.5	-	0.5
Elective Courses (Department Electives/ Institute Electives/ University Electives)										
<i>No Elective will be offered for this semester</i>										
Supplementary Courses										
6	3MASU01	People and Cities		2				0.5	0.5	
		Total	8	5	12	23				

L: Lectures, W: Workshop, S: Studio, C: Credit

SEE: Semester End Examination

CE: Continuous Evaluation

LPW: Lab/Project/Studio Work

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Master of Architecture (Urban Design)
Course Code:	3MAUD01
Course Title:	Studio - Neighbourhood Planning & Design
Course Type:	Core
Year of introduction:	2021

Credit Scheme

L	T	Practical component				C
		LPW	PW	W	S	
-	-	-	-	-	12	12

Course Learning Outcomes (CLO):

At the end of the course, students will be able to –

- Comprehend urban design as a discipline inter-connected to various other fields and situated so as to affect a larger order in the context of the city.
- Learn the basic urban design elements and tools.
- Understand implications on the urban environment in measurable ways through synthesis of theory and design.
- Design urban solutions through a demonstration for environmental, technological, social, economic and cultural contexts.

Syllabus: 15 weeks (12 hours/week)

Total Teaching hours: 180 Hrs

Unit	Syllabus	Teaching hours
Unit-I	Preliminary study, data collection, analysis and representation – <ul style="list-style-type: none"> • Introduction to a city/town. Collect preliminary data, evolution and history (collaborative and individual work). • Analysis : City structure, Land use plan, Road network and hierarchy, Major Open Spaces, Neighborhoods, Types of Streets, Typologies, Urban space, and human activity patterns, Water supply and drainage systems, elements of landscape, Urban aesthetics, Landmarks, Activity generators/nodes. (collaborative and individual work). • Identify different inter-connected issues that affect the Urban form and space of the given study. (collaborative and individual work). • Representation through Drawings, Video and Power point presentations and Models. (collaborative and individual work). 	48 hours



Unit-II	Site introduction, site analysis, Data collection, research, etc. – <ul style="list-style-type: none"> • Studies of climate, context, topography, landscape, etc. Case studies related to the project • Cultural, historical, social, political analyses and studies • Arrive at basic Urban Design tools 	36 hours
Unit-III	Design problem and process – <ul style="list-style-type: none"> • Design problem will be introduced and first concepts will be discussed. Methodologies to resolve the design issues • Evolution of ideas, concepts, processes, etc. • Development of strategies, vocabulary, language 	72 hours
Unit-IV	Assimilate of related fields and jury preparation – <ul style="list-style-type: none"> • Develop urban design solutions while assimilating environmental, technological, social, economic and cultural contexts and incorporate services, etc. • Work on presentation methods and preparation of final presentation in terms of drawings, physical and computer-generated models, etc. 	24 hours

Self-Study:
Suggested List
of Experiments:
Suggested Case
List:

Suggested
Readings/
References:

1. Daniel Williams, "*Sustainable Design: Ecology, Architecture & Planning*", John Wiley & Sons, 2007.
2. Lynch, Kevin. "*The Image of the City*", MIT Press, Cambridge, Mass., 1960.
3. Krier, Rob, "*Urban Space*", Academy Editions, London, 1967
4. Evans, Martin, "*Housing, Climate and Comfort*", The Architectural Press, London, 1980.
5. Charles Correa, "*A Place in the Shade: The New Landscape & Other Essays*", 2010.
6. Charles Correa, "*Housing and Urbanization*", Thames and Hudson, 2000.
7. Raj Rewal, "*Humane Habitat at Low Cost: CIDCO, Belapur*", New Mumbai, 2000.
8. Bacon, E. N. *Design of cities*. Thames and Hudson. 1995.
9. Giedion, S. *Space, Time and Architecture: The Growth of a New Tradition*. Harvard University Press, 1952.
10. Mumford, L. *The city in history: Its origins, its transformations, and its prospects*, 1961.
11. Rowe, C., & Koetter, F. *Collage City*. Birkhäuser, 2009.
12. Jane Jacobs, '*The Death and Life of Great American Cities*', Random House, New York, 1962