

UNIVERSITY OF MUMBAI



Revised Syllabus

Master of Architecture Programme: M. Arch. in Urban Design

(As per Credit Based Semester and Grading System
with effect from the academic year 2025-2026)

Justification for Master in Architecture, M.Arch. in Urban Design

1.	Necessity for revising the course:	The current syllabus is in force since A.Y. 2016-2017. Upon periodic review and need for changes expressed by colleges, the syllabus is revamped and also to synchronize the course and credit structures of PG programs in Architecture, in line with the latest Council of Architecture (COA) Guidelines.
2.	Whether the UGC has recommended the course:	The revisions are as per the Council of Architecture's (COA) 'Minimum Standards of Architectural Education-Post-graduate', vide CA/5/Academic/2022/Circular-PG Guidelines, dated December 14, 2022.
3.	Whether all the courses have commenced from the academic year 2023-24	Revisions to be implemented from 2025-2026 onwards.
4.	The courses started by the University are self-financed, whether adequate number of eligible permanent faculties are available?:	Self-financed. Yes. Colleges appoint permanent faculty as per the COA and University norms. Some experts are called as adjunct or visiting faculties.
5.	To give details regarding the duration of the Course and is it possible to compress the course?:	2 Years/ 4 Semesters. Not possible to compress the course.
6.	The intake capacity of each course and no. of admissions given in the current academic year:	20 seats/ division and as per the sanctioned intake by Council of Architecture
7.	Opportunities of Employability / Employment available after undertaking these courses:	Architects with PG qualifications in Urban Design have high employability in corporates focusing on planning of large scale urban development and infrastructure projects. Urban designers contribute to designing sustainable, liveable urban environments. With growing urbanisation, central, state and local planning bodies require Urban Designers to create master plans and design guidelines; academic and research positions in universities, consortiums and other international bodies, besides starting their own practice in urban design.

Sd/-

Dr. Smita Dalvi
BoS (ad hoc)-Chairman-Architecture
Faculty of Science & Technology

Sd/-

Dr. Deven Shah
Associate Dean
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Master of Architecture (M. Arch)

in Urban Design

PREAMBLE:

Mumbai University's regular M. Arch. programme in Urban Design of two-year duration is open to students with B.Arch. qualifications or equivalent recognized qualifications.

This course is designed to enhance the skills of Architects, to get involved in the active planning and design of urban settlements which are under rapid transformation in India. This course would prepare a student to provide urban design solution while working within the planning framework in our context with government institutions, non-governmental institutions and other private agencies.

This discipline addresses design of cities that are humane, inclusive, sustainable and smart. It trains architects to utilise their design skills in a sensitive, nuanced and measured approach when dealing with urban context. The programme is aimed at training the students for practice and inculcating research skills in the fields of urban design to contribute knowledge and innovation to achieve UNDP's sustainable development goals.

The Syllabus is revised with an objective to bring in changes to upgrade the knowledge and skill base of the students in keeping with the changing times and evolution in the profession of Urban Design. The revised syllabus also brings the course, credits and marks structure in harmony with other PG programmes in Architecture, devised in line with the latest guidelines from the Council of Architecture (COA), available in 'Minimum Standards of Architectural Education-Post-graduate', vide CA/5/Academic/2022/Circular-PG Guidelines, dated December 14, 2022.

The syllabus is revised to sharpen the following objectives:

- To attain a fundamental understanding of historical and contemporary urban context.
- To identify, define and analyze current urban design issues affecting life in cities.
- To develop urban design principles for the sustainable growth of our cities.
- To contribute a people centric and inclusive approach in urban policy making.
- To develop strategies for successful implementation of sustainable urban design principles.
- To evaluate the performance of urban design projects, policies and processes.
- To work successfully with communities, public / private planning institutions and other stakeholders in the city.
- To conduct research and contribute knowledge in the field of Indian urbanism in innovative ways.

Dr. Smita Dalvi BoS (Ad hoc)-Chairman- Architecture	Prof. Manoj Parmar Chairperson Sub-committee
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Program specific outcomes:

- Graduates will develop advanced design skills that relate to broader social, environmental, and economic urban contexts.
- Graduates will gain a deep understanding of urban design theory and practice, enabling them to link individual architectural projects with overall planning strategies.
- Graduates will promote multidisciplinary collaboration and interaction with a wide range of professional bodies and individuals related to the built environment.
- Graduates will be encouraged to critically examine key urban development challenges and provide context appropriate solutions.
- Graduates will acquire the tools and skills to propose urban projects of diverse scales and specificities, supported by research and analysis.
- Graduates will engage with local communities and stakeholders to understand and address their needs in urban design projects.
- Graduates will contribute to socially sustainable urban transformation, from local-specific to global-regional interventions.

Notes on the Courses:

- The programme consists of four semesters. Courses in the first three semesters are devised in the categories of Core Courses, Choice Based Electives, and Studio Courses. In the fourth semester, besides electives, the students will mainly focus on their final thesis project.
- The core courses are of 3 credits each, they are meant to impart the core knowledge of the discipline.
- There are a total of six elective courses of 2 credits each spread across 4 semesters. Individual colleges will offer electives from which the student would choose as per their own interest. The colleges will design and develop the topics, objectives and contents of choice based elective courses based on the institutional vision and strength. For this, courses from SWAYAM- NPTEL platforms can be also be explored for supplementary learning or for credit transfer.
- The studio courses are of two types – Major Studios in Urban Design will drive the principal studio project in semesters 1 to 3. Allied Studios are meant to suitably supplement the program needs. While the objectives are specified for the studio courses, individual colleges will devise their studio problems based on their vision and strength.
- Two core courses of 2 credits each are devoted to research methods, developing research proposals and learning the ropes of conducting and writing research. This is done to provide a sound grounding to the students at Masters level to engage in research, to produce new knowledge and contribute to the innovations ecosystem in the profession.
- As per the Council of Architecture's (COA) guidelines in their Minimum Standard of Education, colleges and institutions imparting the UG and PG programmes in Architecture should have sufficient freedom to chart their directions. As such, the syllabus refrains from over-prescription, particularly for the term work and sessional work, where the course outcomes and details of exercises are to be worked out by the colleges.

Suggested Choice Based Electives for M.Arch. in Urban Design

- Urban Ecology and Landscape
- Data Urbanism
- Urban Sociology
- Urban Heritage
- GIS
- Informality and Indian Urbanism
- Data Analytics
- Southern Urbanism
- Advance Urban Theory
- Environmental Assessment of Urban Heritage
- Remote Sensing
- Resilience Urbanism
- Big Data Sourcing
- Implicit Urban Theories
- Gender Equality and Urbanism
- Urban Commons
- Advance Resilience Theories

Total Credits of M. Arch. (Urban Design) programme	
Semester - I	21 Credits
Semester - II	21 Credits
Semester - III	21 Credits
Semester - IV	20 Credits
TOTAL	83 Credits

		SEMESTER I Exam Conducted by Individual College on behalf of the University								
COURSE CODE	COURSE NAME	TEACHING SCHEME (HRS)				CREDITS	EXAMINATION SCHEME			
		L	T	S	TOTAL		Theory	Int.	Ext.	Total
UD-C 101	Urban History and Theory	3	--	--	3	3	50	50	--	100
UD-C 102	Planning Process -1	3	--	--	3	3	50	50	--	100
UD-E 103	Choice Based Elective- 1	2	--	--	2	2	--	100	--	100
UD-E 104	Choice Based Elective- 2	2	--	--	2	2	--	100	--	100
UD-S 105	Major Studio in Urban Design - 1	2	6	6	14	8	--	200	200	400
UD-S 106	Allied Urban Studio- I	1	--	4	5	3	--	200	--	200
TOTAL					29	21				1000

		SEMESTER II Exam Conducted by the University								
COURSE CODE	COURSE NAME	TEACHING SCHEME (HRS)				CREDITS	EXAMINATION SCHEME			
		L	T	S	TOTAL		Th	Int.	Ext.	Total
UD-C 201	Mobility Studies	3	--	--	3	3	50	50	--	100
UD-C 202	Planning Process- 2	3	--	--	3	3	50	50	--	100
UD-C 203	Research Methods and Academic Writing- 1	2	--	--	2	2	--	100	--	100
UD-E 204	Choice Based Elective- 3	2	--	--	2	2	--	100	--	100
UD-S 205	Major Studio in Urban Design - 2	2	6	6	14	8	--	200	200	400
UD-S 206	Allied Urban Studio- 2	1	--	4	5	3	--	200	--	200
TOTAL					29	21				1000

	SEMESTER III Exam Conducted by Individual College on behalf of the University									
COURSE CODE	COURSE NAME	TEACHING SCHEME (HRS)				CREDITS	EXAMINATION SCHEME			
		L	T	S	TOTAL		Theory	Int.	Ext.	Total
UD-C 301	Development Finance	3	---	--	3	3	50	50	--	100
UD-C 302	Development Legislation & Policies	3	--	--	3	3	50	50	--	100
UD-C 303	Research Methods-2	2	--	--	2	2	--	100	--	100
UD-E 304	Choice Based Elective- 4	2	--	--	2	2	--	100	--	100
UD-S 305	Major Studio in Urban Design- 3	2	6	6	14	8	--	200	200	400
UD-S 306	Allied Urban Studio- 3	1	--	4	5	3	--	200	--	200
	TOTAL				29	21				1000

	SEMESTER IV Exam Conducted by the University									
COURSE CODE	COURSE NAME	TEACHING SCHEME (HRS)				CREDITS	EXAMINATION SCHEME			
		L	T	S	TOTAL		Theory	Int.	Ext.	Total
UD-E 401	Choice Based Elective- 5	2	--	--	2	2	--	100	--	100
UD-E 402	Choice Based Elective- 6	2	--	--	2	2	--	100	--	100
UD-S 403	Thesis	6	10	10	26	16	--	400	400	800
	TOTAL				30	20				1000

Note :

1 Credit = 1 Lecture Hour or 2 Tutorial/Studio Hours for duration of 16 Weeks per semester

SEMESTER-WISE COURSE DESCRIPTION

SEMESTER -I

	SEMESTER I Exam Conducted by Individual College on behalf of the University					
Course Code	Course Name	Teaching Scheme (HRS)				CREDITS
		L	T	S	TOTAL	
UD-C 101	Urban History and Theory	3	--	--	3	3
UD-C 102	Planning Process -1	3	--	--	3	3
UD-E 103	Choice Based Elective - 1	2	--	--	2	2
UD-E 104	Choice Based Elective - 2	2	--	--	2	2
UD-S 105	Major Studio in Urban Design - 1	2	6	6	14	8
UD-S 106	Allied Urban Studio - I	1	--	4	5	3
		Total/Semester			29	21

	SEMESTER I Exam Conducted by Individual College on behalf of the University				
Course Code	Course Name	Examination Scheme			
		Theory Paper	Internal	External Viva	Total Marks
UD-C 101	Urban History and Theory	50	50	--	100
UD-C 102	Planning Process -1	50	50	--	100
UD-E 103	Choice Based Elective - 1	--	100	--	100
UD-E 104	Choice Based Elective - 2	--	100	--	100
UD-S 105	Major Studio in Urban Design - 1	--	200	200	400
UD-S 106	Allied Urban Studio - I	--	200	--	200
Total/Semester					1000

UD-C 101: Urban History and Theory

Course Title	Urban History and Theory					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-C 101	3	3	50	50	--	100

Objectives:

The course aims in introducing concepts, theories and methods of inquiry that are useful for urban design discourse and reflective practice. The course enables students to comprehend the urban texture, tissues, morphologies and urban patterns through drawing and representation. It also ties up with the Major Studio- 1 dealing with mapping and representation of cities.

Course Contents:

- History of Settlements
- History of Urban Form & Morphology
- History of Mapping and Representation of Cities
- History of Theory of Urbanism
- Contemporary Urban Design Practices
- Contemporary Literature of Cities

The course explores the evolution of human settlement and an urban form through historiographical study of various cities across the world and examines the formative circumstances to have evolved and developed during the passage of time. The human settlement and an urban form is studied through the reading and representation methods of cities that has evolved over a period of time. It should equip the students to innovate in reading and analysing urban settlements depending on the urban context they wish to engage. The course should also help the students to comprehend and appreciate the evolution and formation of morphologies of urban settlements.

Sessional Work for internal evaluation:

The individual colleges will detail out the exercises based on the following pointers:

- Reading of Text and Representation of Cities
 - Drawing of Cities through morphological and urban pattern analysis.
 - Reading of Precincts and carry out space syntax analysis.
-

UD-C 102: Planning Process – I

Course Title	Planning Process - I					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-C 102	3	3	50	50	--	100

Objectives:

The course enables students to understand the key stake holders in urban planning process and helping the student to carry out various surveys in their Urban Studio I

Course Contents :

- History and Principles of Planning in the international and national context
- Institutional Framework of planning: national, state and local government levels
- Legal framework for Planning
- Context of Planning
- Planners Role
- Contemporary Literature of Planning

The course explores the evolution of human settlement and an urban planning through historiographical study of various cities across the world and examines the formative circumstances to have evolved and developed during the passage of time. The human settlement and an urban planning systems is studied through the institutional framework and context of planning. Students will be introduced to present planning and institutional framework available in the country at various levels, their legal frameworks, and types of plans prepared by such authorities. The course also initiates the role of planner and various models of planning that operates in contemporary times with contemporary literature in planning.

Sessional Work for internal evaluation:

The individual colleges will detail out the exercises based on the following pointers:

- Historic evolution of urban planning through an example of city.
- Term paper: Planning of Indian historic cities.

UD-E 103: Choice Based Elective – 1

Course Title	Choice Base Elective - 1					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-E 103	2	2	--	100	--	100

Course Contents:

Individual colleges will offer electives from which the student would choose as per their own interest. The colleges should design and develop the topics, objectives and contents of choice based elective courses based on their vision and strength. Sessional work for internal evaluation should be carried out in accordance with the course contents. Suggested exercises could be in the form of case study presentations, project work, essays, debates, seminar, quizzes or class tests.

UD-E 104: Choice Based Elective – 2

Course Title	Choice Base Elective - 2					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-E 104	2	2	--	100	--	100

Course Contents:

Individual colleges will offer electives from which the student would choose as per their own interest. The colleges should design and develop the topics, objectives and contents of choice based elective courses based on their vision and strength. Sessional work for internal evaluation should be carried out in accordance with the course contents. Suggested exercises could be in the form of case study presentations, project work, essays, debates, seminar, quizzes or class tests.

UD-S 105: Major Studio in Urban Design - 1

Course Title	Major Studio in Urban Design - 1					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-S 105	14	8	--	200	200	400

Objectives:

The aim of the Major Studio-1 is to encourage, intensive representation of cities with important contemporary urban and development challenges, to develop both grounded skills and critical thinking.

Course Contents:

The studio engages with a morphological and image structure survey / analysis of a selected part of a traditional urban area with detailed studies of urban landscape, streetscape and represent them. The aim of the Major Studio-1 is to encourage, intensive representation of cities with important contemporary urban and development challenges, to develop both grounded skills and critical thinking.

It should help in the formulation of urban intervention and frame urban design proposals for the area. The presentation of final proposals would be with three-dimensional models and sketches.

- Identification of Key Stakeholders
- Context of survey
- Contemporary issues and trends
- Intervention/ Mapping and Representation

Sessional Work for internal evaluation:

The individual colleges will detail out the studio problem based on the following pointers:

- Stakeholder study and its interrelationship in an urban area
 - Representation of maps and analytical drawings.
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UD-S 106: Allied Urban Studio- 1

Course Title	Allied Urban Studio – 1					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-S 106	5	3	--	200	--	200

Objectives:

Allied Urban Studio courses are intended to supplement the major studios in urban design and address appropriate allied issues in urbanism by way of innovative studio projects.

Course Contents:

The orientation of Allied Studio-1 can be determined by individual colleges as per their vision. Suggested directions for the studio are engagements with the issues that are underpinned by diverse urban issues like sociological formation, informality, density or social and cultural amenities, articulation of soft cities that are important aspects in shaping the cities. Studio can use the survey and mapping technique to create experiential drawings.

Sessional Work for internal evaluation:

The individual colleges will detail out the studio problem based on the following pointers:
Surveys, Mapping, Experiential Drawings, Debating.

Semester-II

	SEMESTER II Exam Conducted by the University					
Course Code	Course Name	Teaching Scheme (HRS)				CREDITS
		L	T	S	TOTAL	
UD-C 201	Mobility Studies	3			3	3
UD-C 202	Planning Process - 2	3			3	3
UD-C 203	Research Methods -1	2			2	2
UD-E 204	Choice Based Elective - 3	2			2	2
UD-S 205	Major Studio in Urban Design - 2	2	6	6	14	8
UD-S 206	Allied Urban Studio - 2	1		4	5	3
		Total/Semester			29	21

	SEMESTER II Exam Conducted by the University				
Course Code	Course Name	Examination Scheme			
		Theory Paper	Internal	External Viva	Total Marks
UD-C 201	Mobility Studies	50	50	--	100
UD-C 202	Planning Process - 2	50	50	--	100
UD-C 203	Research Methods -1	--	100	--	100
UD-E 204	Choice Based Elective - 3	--	100	--	100
UD-S 205	Major Studio in Urban Design - 2	--	200	200	400
UD-S 206	Allied Urban Studio - 2	--	200	--	200
Total/Semester					1000

UD-C 201: Mobility Studies

Course Title	Mobility Studies					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-C 201	3	3	50	50	--	100

Objectives:

The course is intended to inform the studio II in terms of understanding the issues like network, actor agencies study, social and cultural migration with respect to sustainability and resilience issues. The emergence of new urban paradigm in contemporary Indian context.

Course Contents:

- History of mobilities
- History of Urban Form & Mobility
- Study of Urban Mobility
- traffic and transportation strategies for urban design
- Social and Cultural Mobilities
- Mobility Justice and Future of Urban Mobility.

The course explores the evolution of human mobility in various conditions. The interdisciplinary discipline of mobility studies looks at how people, things, concepts, and cultural practices move across social and geographic borders. Among other disciplines, the field combines sociology, geography, anthropology, urban studies, and cultural studies. Themes including migration, globalization, digital mobility, transportation, and spatial justice are frequently covered in mobility studies courses.

Sessional Work for internal evaluation:

The individual colleges will detail out the exercises based on the following pointers:

- Reading of Text on mobility through literature review
 - Drawing of Urban Network Analysis and Mobility structure of the city/area/ precinct.
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UD-C 202: Planning Process- 2

Course Title	Mobility Studies					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-C 202	3	3	50	50	--	100

Objectives:

The course explores the various tools and methods that helps in organizing, operating and decision making in planning process.

Course Contents:

- Planning, Organisation, operation and decision making
- Planning Practice, implementation of planning policies
- Planning, political, social and community decision making
- Alternate approach in planning process in theoretical and contextual sense.
- Citizen Participation

The course articulates the process of formation of planning policies, its impact of social and political sense and how it shapes the urban issues like housing, transport and economic opportunities. The course shall explore the alternate approaches in recent years and seek the knowledge on spatial and environmental justice in planning process.

Sessional Work for internal evaluation

The individual colleges will detail the exercises based on, but not restricted to the following pointers:

- Study of development plan, density, housing and amenities
 - Identification of issues and suggestion on implementation process
-

UD-C 203: Research Methods- 1

Course Title	Research Methods- 1					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-C 203	2	2	--	100	--	100

Objectives:

Introduction to the basics of research methods shall help students to set the systematic procedures for exploring, investigating, understanding, and writing of urban phenomena in an objective manner.

Course Contents:

- Purpose of research
- What is Urban Research
- Data, Information and Knowledge
- Method and Methodology
- Literature Review
- Qualitative and Quantitative Research Methods
- Forms of Academic Writing
- Ethics of research and academic writing
- Citations and Referencing Styles

The course explores the fundamental principles, methods and process of research. The course enables the students to examine the need for urban research and methods to carry out the research. At the end students shall be able to understand, how to frame the research questions and execute the data and analyse them. They will also learn about ethics of conducting research and that of academic writing – such as confidentiality, consent, privacy, plagiarism, attribution, citations and referencing.

Sessional Work for internal evaluation:

The individual colleges will detail the exercises based on, but not restricted to the following pointers:

- Applications of qualitative and quantitative survey methods
 - Research Essay/Paper
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UD-E 204: Choice Based Elective- 3

Course Title	Choice Based Elective- 3					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-E 204	2	2	-- --	100	--	100

Individual colleges will offer electives from which the student would choose as per their own interest. The colleges should design and develop the topics, objectives and contents of choice based elective courses based on their vision and strength. Sessional work for internal evaluation should be carried out in accordance with the course contents. Suggested exercises could be in the form of case study presentations, project work, essays, debates, seminar, quizzes or class tests.

UD-S 205: Major Studio in Urban Design - 2

Course Title	Major Studio in Urban Design - 2					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-S 205	14	8	--	200	200	400

Objectives:

The studio would help students to identify urban issues and apply urban design principles to intervene in a chosen urban context.

Course Contents:

- Identification of Key Stakeholders
- Context of survey
- Contemporary issues and trends
- Formation of Strategy and Intervention

The studio would help students identify broad urban design principles, based on any urban issue that the institution might choose to address. These principles would be generated through an intense process of site mapping, analysing and identify patterns in a chosen urban context.

The studio should simultaneously explore and innovate on techniques of representation for these complex urban conditions. The principles abstracted through the study should be used to frame urban design programs and projects. The studio should finally assist the students with the technique of place making for the given project.

Sessional Work for internal evaluation:

The individual colleges will detail out the studio problem based on the following pointers:

- Site Study and Documentation
 - Analysis and findings
 - Strategy and Intervention
-

UD-S 206: Allied Urban Studio- 2

Course Title	Allied Urban Studio- 2					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-S 206	5	3	--	200	--	200

Objectives:

Allied Urban Studio courses are intended to supplement the major studios in urban design and address appropriate allied issues in urbanism by way of innovative studio projects.

Course Contents:

The orientation of Allied Studio-1 can be determined by individual colleges as per their vision. Suggested directions for the studio are engagements with diverse urban issues like development plan, real estate urbanism, policy and intervention. The studio attempts to articulate issues that are important aspects in shaping the cities. Studio can use the survey and analytical drawings to articulate the findings

Sessional Work for internal evaluation:

The individual colleges will detail out the studio problem based on the following pointers:

Survey, Identification of urban issues, Articulation of Findings, Policy Intervention.

Semester-III

	SEMESTER III Exam Conducted by Individual College on behalf of the University					
Course Code	Course Name	Teaching Scheme (HRS)				CREDITS
		L	T	S	TOTAL	
UD-C 301	Development Finance	3	--	--	3	3
UD-C 302	Development Legislation & Policies	3	--	--	3	3
UD-C 303	Research Methods -2	2	--	--	2	2
UD-E 304	Choice Based Elective - 4	2	--	--	2	2
UD-S 305	Major Studio in Urban Design - 3	2	6	6	14	8
UD-S 306	Allied Urban Studio - 3	1	--	4	5	3
		Total/Semester			29	21

	SEMESTER III Exam Conducted by Individual College on behalf of the University				
Course Code	Course Name	Examination Scheme			
		Theory Paper	Internal	External Viva	Total Marks
UD-C 301	Development Finance	50	50	--	100
UD-C 302	Development Legislation & Policies	50	50	--	100
UD-C 303	Research Methods -2	--	100	--	100
UD-E 304	Choice Based Elective - 4	--	100	--	100
UD-S 305	Major Studio in Urban Design - 3	--	200	200	400
UD-S 306	Allied Urban Studio - 3	--	200	--	200
Total/Semester					1000

UD-C 301: Development Finance

Course Title	Development Finance					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-C 301	3	3	50	50	--	100

Objectives:

The course intends to encourage students to understand and create financial mechanisms for their own projects being parallelly conceived in the Design Studio.

Course Contents

- History of development finance and planning
- Institutional Framework of development finance
- Context of development finance
- Role of Urban Design in development finance.
- Contemporary issues and development finance.

The course would introduce the students to the economic, financial frameworks, and the attendant institutional frameworks of project and property development in both the public and private sectors. It should inform the students of the present mode of financing projects and discuss their strengths and weakness through the relevant case studies.

It would also introduce the students to the fundamental concepts and principles of investing and financing of real estate projects. They would understand the macro-economic fundamental that assist in the creation of an apt environment for real estate investments environment while also appreciate the micro level details of a real estate project.

Sessional Work for internal evaluation:

The individual colleges will detail the exercises based on, but not restricted to the following pointers:

- Relationship between development plan and development finance
- Real Estate housing and housing finance

UD-C 302: Development Legislation and Policies

Course Title	Development Legislation and Policies					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-C 302	3	3	50	50	--	100

Objectives:

The course intends to equip the students with the knowledge of the mechanisms of policy formation and urban legislation while working on urban studio in the complex urban settings.

Course Contents:

- History of development legislation and planning
- Institutional Framework of development legislation
- Context of development legislation
- Role of Urban Design in development legislation.
- Contemporary issues and development legislation and formation of policies.

This course engages the student with the awareness of govt. policies, regulations, rules and laws related to land, property and urban development.

The course includes the study of the Constitution of India and subsequently the study of Urban Land Ceiling Act, Rent Control Act, Land Acquisition Act, , Environment Protection Act, Co-operative Society Act, Apartment Ownership Act, Maharashtra Town and Regional Planning Act and the National building Code and any other important/relevant act.

It also includes the study of Development Control Rules and Regulation, including special regulations for TDR, protection to heritage and conservation, etc.

Sessional Work for internal evaluation:

The individual colleges will detail the exercises based on, but not restricted to the following pointers:

- Relationship between development legislation and urban policies
 - Development Legislation and Housing in Indian Cities
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UD-C 303: Research Methods- 2

Course Title	Research Methods- 2					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-C 303	2	2	--	100	--	100

Objectives:

The course shall enable the students to acquire their own research interest, to frame their thesis topics, and formulate research proposals for minor and major research. It will also enable them to conduct minor projects, write reports and present them.

Course Contents :

- Advance Research Methods
- Big Data Sourcing
- Formulating Research Proposal and Research Design
- Conducting and presenting a minor research project
- Writing Project Report

The course explores the advance principles, methods and process of research. It also explores the recent technique of Big Data sourcing and its application in framing the research questions.

Sessional Work for internal evaluation:

The individual colleges will detail the exercises based on, but not restricted to the following pointers:

- Conducting a minor research project and writing project report
- Seminar
- Research Proposal for Thesis

UD-E 304: Choice Based Elective -4

Course Title	Choice Based Elective- 4					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-E 304	2	2	--	100	--	100

Course Contents:

Individual colleges will offer electives from which the student would choose as per their own interest. The colleges should design and develop the topics, objectives and contents of choice based elective courses based on their vision and strength. Sessional work for internal evaluation should be carried out in accordance with the course contents. Suggested exercises could be in the form of case study presentations, project work, essays, debates, seminar, quizzes or class tests.

UD-S 305: Major Studio in Urban Design – 3

Course Title	Major Studio in Urban Design – 3					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-S 305	14	8	--	200	200	400

Objectives:

The objective in this semester would be to provide a practice orientation to the studio by way of engaging with real world issues and concerned actors and agencies.

Course Contents:

In this semester, the studio programme can be set by individual colleges such that it allows the students to engage with various actors and agencies, learn to communicate with them, and devise pragmatic and localized programmatic strategies on complex urban issues. In this studio the students can learn to formulate urban design possibilities through a process of continuous interaction with these actors and agencies.

- Actor and Agencies study
- Communicative Action method
- Contemporary issues and trends
- Formation of Strategy and Intervention

Sessional Work for internal evaluation:

The individual colleges will detail out the studio problem based on the following pointers:

- Actor and Agencies study
 - Strategy for Communicative Action
 - Strategy and Intervention
-

UD-S 306: Allied Urban Studio- 3

Course Title	Allied Urban Studio – 3					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-S 306	5	3	--	200	--	200

Objectives:

Allied Urban Studio courses are intended to supplement the major studios in urban design and address appropriate allied issues in urbanism by way of innovative studio projects.

Course Contents:

The orientation of Allied Studio-1 can be determined by individual colleges as per their vision. Suggested directions for the studio are engagements with the urban infrastructural/ Urban environmental related issues. The studio can attempt to articulate city's policies and politics of such contested public realm. The studio may use the survey and analytical drawings to articulate the findings

- Identification of urban infrastructural issues
- Survey and analytical drawings
- Policy formation and discussion

Sessional Work for internal evaluation:

The individual colleges may detail out the studio problem based on the following pointers:
Survey, Articulation of Findings, Policy Intervention

SEMESTER IV

	SEMESTER IV Exam Conducted by the University					
Course Code	Course Name	Teaching Scheme (HRS)				CREDITS
		L	T	S	TOTAL	
UD-E 401	Choice Based Elective - 5	2	--	--	3	2
UD-E 402	Choice Based Elective - 6	2	--	--	3	2
UD-S 403	Thesis	6	10	10	26	16
		Total/Semester			30	20

	SEMESTER IV Exam Conducted by the University				
Course Code	Course Name	Examination Scheme			
		Theory Paper	Internal	External Viva	Total Marks
UD-E 401	Choice Based Elective - 5	--	100	--	100
UD-E 402	Choice Based Elective - 6	--	100	--	100
UD-S 403	Thesis	--	400	400	800
Total/Semester					1000

UD-E 401 Choice Based Elective – 5

Course Title	Choice Based Elective- 5					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-E 401	2	2	--	100	--	100

Course Contents:

Individual colleges will offer electives from which the student would choose as per their own interest. The colleges should design and develop the topics, objectives and contents of choice based elective courses based on their vision and strength. Sessional work for internal evaluation should be carried out in accordance with the course contents. Suggested exercises could be in the form of case study presentations, project work, essays, debates, seminar, quizzes or class tests.

UD-E 402 Choice Based Elective – 6

Course Title	Choice Based Elective- 6					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-E 402	2	2	--	100	--	100

Course Contents:

Individual colleges will offer electives from which the student would choose as per their own interest. The colleges should design and develop the topics, objectives and contents of choice based elective courses based on their vision and strength. Sessional work for internal evaluation should be carried out in accordance with the course contents. Suggested exercises could be in the form of case study presentations, project work, essays, debates, seminar, quizzes or class tests.

UD-S 403 Thesis

Course Title	Thesis					
			Marks			
Course Code	Hrs/week	Credits	Theory	Internal	External Viva	Total
UD-S 403	26	16	--	400	400	800

Objectives:

Thesis in Urban Design is intended to present a systematic study of cities, heritage and urban realms, focusing on their compositions, processes, challenges in conservation and development.

Course Contents:

- Locating the Area of Interest through suggested readings and literature review
- Identification of Knowledge gap, Action Gap, Policy Gap, Contextual Gap.
- Identification of problems and Issues
- Devising methods of investigation
- Data Collection/ Field Work and its analysis
- Strategies and intervention with policy formation

Thesis will be a systematic investigation of a research problem in the field of Urban Design which encompasses various disciplines such as sociology, geography, urban planning, economics, environmental science, political science, and architecture. The investigation can focus on the dynamics of urban realms, historicity, heritage & development and provide insights to improve the quality of life for urban residents and address the challenges posed by rapid urbanization.

Sessional Work:

The output of the thesis will be in the form of a thesis report (black book) that follows the norms of academic writing. In addition, proposal for intervention that addresses the identified issues in a form of suitable representational system for the chosen problem.

Select List of Reference Books

Title	Author	Publisher
Tropical Architecture in the dry and humid zones	Drew Jane	Robert E. Krieger Publishing Co.
Design for Arid Regions	Golany Gideon	Van Nostrand Reinhold Company
Ecology of Urban Habitats	Gilbert O.L.	Chapman and Hall
New Landscape.	Correa Charles	THe Book Society Of India
American Urban Architecture: catalysts in the design of cities.	Logan donn	University of California Press
American urban architecture	Attoe Wayne	University of California Press
New Landscape	Correa Charles	Concept Media
Emerging Concepts in Urban Space Design	Broadbent Geoffery	Van Nostrand Reinhold
Shaping an Urban World:planning in the twentieth century	Cherry Gordon	Mansell publishing
City Assembled:the elements of urban form through history	Kostof Spiro	Thames and Hudson
Architecture in an age of Scepticism	Lasdun Desys	Oxford University Press
Wayfinding in architecture	Passini Romedi	Van Nostrand Reinhold
Technical infrastructure of urban communities	Svedinger Bjorn	Swedish Council for Building Research
Tropical Urban Regionalism:building in a south-east Asian city	Yeang Ken	Concept Media
Concepts of urban design	Goshing David	Academy Editions
Urban Space	Krier Rob	Academy Editions
Visual Simulation:a user's guide for architects,engineers and planners.	Sheppard Stephen R.J.	Van Nostrand Reinhold
Urbanization and Urban Systems in India	Ramachandran R.	Oxford University Press
Why Humans have cultures?	Carrithes Michael	Oxford University Press
Matrix of Man	Nagy Moholy	Frederick A.Praeger
Changing Village, Changing life	Mohanti Prafulla	Viking-Penguin group
Indian Metropolis: a view towards the west	Evenson Norma	Oxford University
Project and Tradition: designing the space in the Islamic town		School of Architecture
New Practice in Urban Design		VCH Publishing
Urban Concepts	Brown Denise Scott	Academy Editions
Search for Shelter.	Greer Nora Richter	American Inst.of Architects
Design Of Cities	Bacon Edmund N.	Thames and Hudson
Cities and Civilizations	Hibbert Christopher	Weinfeld and Nicholson
City Square	Webb Michael	Thames and Hudson

Man-Made Philadelphia:a guide to its physical and cultural environment.	Gallery John Andrew	MIT Press
Stressors,Chinese City Dwellings and Equality of Life.	Ekblad Solvig	Swedish Council
Megapolis: the urbanized Northeastern seaboard of the United States.	Gottmann Jean	The MIT Press
City Landscapes	Grove A.B	Butterworths
Miami and the Keys	Gilbert John W.	Casa Editrice Bonechi
New City:the American City.	Lejeune Jean-Francois	University of Miami
Housing a Billion:design ideas for rural China:research paper 14.		McGill University
Harlow:the story of a new town.	Gibberd Frederick	Publications for Companies
Report Concerning the Marathwada Earthquake.	Baker Laurie	Bureau of Indian Standards
Great Street	Jacobs Allan	MIT Press
Urban Pattern.	Eisner Simon..et al	Van Nostrand Reinhold
Dwellings settlements and tradition: cross cultural perspectives.	Bourdier Jean Paul Ed.	University Press of America
Bibliography on Urban Design		Decolonization Conference Committee
Urbanism,Colonialism and the World Economy	King Anthony	Routledge
Global Cities	King Anthony	Routledge
Bombay: Metaphor for Modern India	Patel Sujata	Oxford University Press
Bombay: Mosaic of Modern Culture	Patel Sujata	Oxford University Press
Elusive City	Barnett Jonathan	Harper and Row
Design in the High Street	Michell Gordon	Architectural Press
Urban Experience	David Harvey	John Hopkins Uni.
Public Spaces Urban spaces: the Dimensions of Urban Design	Matthew Carmona	Matthew Carmona
Extreme Urbanism: Reimagining Mumbai's Back Bay: A studio Research of the Harvard Graduate School of Design	Rahul Mehrotra/ Victor Munoz Sanz	Harvard Graduate school of Design
New Urbanism: toward an architecture of community	Katz Peter	Mc Graw Hill,Inc.
Architecture of the City.	Rossi Aldo	MIT Press
Soft City: A Psychological Handbook for Urban Survival Sunday Telegraph	Jonathan Raban	Collins Harvill
City of Quartz: excavating the future in Los Angeles	Davis Mike	Vintage Books
Conscience of the Eye:in design and social life of cities.	Richard Sennett	W.W. Norton and Company
International Workshop on Architecture:future in cities.		Centre for Built Environment
Indian Megacity and Economic Reforms	Jain A.K.	Management Publishing
Reader in Urban Sociology	Rao S.A.	Orient Longman

If you lived here: the city in art, theory and social activism	Rosler Martha	Bay Press
Image of the City	Kevin Lynch	The M.I.T. Press
Counter Attack against subtopia.	Nairn Ian	The Architectural Press
Civilia: the end of suburban man: a challenge to Semidestsia.	Wofle Inor De,ed.	The Architectural Press
Making Towns: principles and techniques.	Hurt Steven,ed.	School of Architecture
Writings on Cities	Lefebvre Henri	Blackwell Publishers
Power of Place: Urban Landscape as Public History	Hyden Dolres	The MIT Press
Tomorrow by Design : a regional design process for sustainability.	Lewis Philip H.	
Urbanism, Colonialism and the World Economy	King Anthony	Routledge
Global Cities	King Anthony	Routledge
Rebuilding Community in America: Housing for Ecological Living.	Norwood Ken	Shared Living Reesource Centre
Report:the study group on the cotton textile mills in Mumbai: part 1.		Study Group of Parel Mills
Report of the Study Group on the Cotton Textile Mills in Mumbai:part 1.		Study group
Edge of Empire:post colonialism and the city	Jacobs Jane	Routledge
Families against the city:middle class homes of industrial Chicago:1872-1890.	Sennett Richard	Harvard University
Ekistics:the problem and science of human settlements:sept-oct and nov-dec 1992:ecology and ekistics.		Athens center of Ekistics
Ekistics:the problem and science of human settlements:solid waste.		Athens center of Ekistics
Ekistics problems and science of human settlement:residence and community.		Athens center of Ekistics
Calcutta:the living city:vol. 1:The Past	Chaudhari Sukanta,ed.	Oxford University
Calcutta:the living city:Vol.2: The Present and Future	Chaudhari Sukanta,ed.	Oxford University
Art and Design:Art and the City:a dream of urbanity		Academy Editions
Tale of Two Cities:Berlin-Kopenhagen 1650-1930.	Ries Thomas..et al.	Odense University
Terry Farrell: Urban Design	Papdakis Andreas	Academy Editions
Where the Streets Lead.	Ahuja Sarayu	penguin Books
Creating Neighbourhoods and Places in the Built Environment	Chapeman David	E and F N Spon
Trenton Industrial Corridor Study.		Cooper Union School
Bombay Cotton Mills	Gray Russell	University of East London
Public Places: Bombay	Mehrotra Rahul	Max Mueller Bhavan
Landscapes of Settlement: Prehistory to the present	Roberts Brian K.	Routledge