

**School of Planning & Architecture, New Delhi**  
(Institute of National Importance under an Act of Parliament)

**MASTER OF URBAN DESIGN**  
**(M.U.D.)**

**Department of Urban Design**

**2016**

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
Department of Urban Design  
**Revised Curriculum**

Urban Design has been taught in SPA from 1968 and the department has grown steadily in the number of applications, admissions and breadth of content. The subject in its present form began in Harvard University in 1956 in response to the inadequacies felt at that time in the extant disciplines to deal with quality and wholeness of the built environment. Over the last 45 years and more, the urban design department in SPA has been steadily pursuing excellence in education by continuous evaluation of the syllabus, introducing new subjects as well as changing the emphasis on subjects through consultations with the Board of Studies.

The overall objectives of urban design education are:

- a) To prepare the students to develop a holistic view of the city as a basis for designing the city/city components in the third dimension.
- b) To contribute to the world-wide knowledge bank on urban design through primary/secondary research, theoretical pursuits and publications.
- c) To contribute to a clearer understanding of cities, particularly of Indian cities, through research, documentation and urban design interventions.
- d) To address the various urban design issues facing the host city, Delhi, through studio exercises, sponsored research and publications in collaboration with outside organizations and other departments of the School.
- e) To evolve new methods of pedagogy in the subject by collaborative research and studio exercises with other institutions teaching urban design in India and outside.
- f) Through elective subjects, seminars, workshops and short-term courses and through collaborations with related disciplines, to develop research material and training modules for professionals and teachers.
- g) Through ensuring feed back into course contents, syllabus and pedagogic methods from all the above methods, to constantly improve the urban design education programme.

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**Semester – 1**

Courses	Course No.	Credit	Subject	Hours per week					Assessment			
				Lecture	Seminar	Tutorial/ Workshop	Studio	Research /Lab	Internal	Exam.	Jury	Total
Foundation	UDF-01	4	Urban History and Development Theory-I	2	2				100	50		150
	UDF-02	2	Urban Design Methodologies	2						100		100
	UDF-03	NC	Digital Skills for UD			2			50			50
	UDF-04	NC	Research Methods					2	50			50
Core	UDC-01	9	Design Studio – I			3	6		300		250	550
	UDC-02	3	Site Planning	1		2			100			100
	UDC-03	3	Urban Form Lab-I	1				2	100			100
Electives												
<b>Total</b>			<b>21 credits - 25hr/wk</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>6</b>	<b>4</b>	<b>700</b>	<b>150</b>	<b>250</b>	<b>1100</b>

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**Semester – 2**

Courses	Course No.	Credit	Subject	Hours per week					Assessment			
				Lecture	Seminar	Tutorial/ Workshop	Studio	Research /Lab	Internal	Exam.	Jury	Total
Foundation	UDF-05	2	Planning the City-I	2						50		50
	UDF-06	2	Urban History and Development Theory-II	2	2				100	50		150
	UDF-07	NC	Participatory Planning and Co-Design Tools			2			50			50
Core	UDC-04	9	Design Studio II			3	6		350		250	600
	UDC-05	4	Urban Policy and Management Framework	2						50		50
	UDC-06	3	Urban Form Lab-II	1				2	100			100
Electives (two electives and one from Deptt)	UDE-01	2	Departmental Elective-I: Imagining Cities-I	2+2						50+50		100
	UDE-02	2	Departmental Elective-II									
	UDE-03*	2	Non-Departmental Elective									
<b>Total</b>			<b>24 credits - 26hr/wk</b>	<b>11</b>	<b>2</b>	<b>5</b>	<b>6</b>	<b>2</b>	<b>600</b>	<b>250</b>	<b>250</b>	<b>1100</b>

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**Semester – 3**

Courses	Course No.	Credit	Subject	Hours per week					Assessment			
				Lecture	Seminar	Tutorial/ Workshop	Studio	Research /Lab	Internal	Exam.	Jury	Total
Foundation	UDF-08	2	Planning the City-II	2						50		50
	UDF-06	3	Thesis Methodologies			3			100			100
Core	UDC-07	6	Design Studio – III				6		300		250	550
	UDC-08	4	Reading the City	2				2	50	100		150
	UDC-09	2	Development Practice, Project Planning &Finance	2						50		50
	UDC-10	3	Urban Form Lab-III	1				2	100			50
Electives (two electives and one from Deptt)	UDE-04	2	Departmental Elective-III: *Imagining Cities-II	2+2						100		100
	UDE-05	2	Departmental Elective-IV									
	UDE-06*	2	Non-Departmental Elective									
<b>Total</b>			<b>24 credits - 24hr/wk</b>	<b>11</b>		<b>3</b>	<b>6</b>	<b>4</b>	<b>550</b>	<b>300</b>	<b>250</b>	<b>1100</b>

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**Semester – 4**

Courses	Course No.	Credit	Subject	Hours per week					Assessment			
				Lecture	Seminar	Tutorial/ Workshop	Studio	Research /Lab	Internal	Exam.	Jury	Total
Foundation												
Core	UDC-11	10	Thesis Studio			3	6	1	450		450	900
	UDC-12	3	City Futures Lab	1				2	100	50		150
Electives (any one choice)	UDE-07	2	Departmental Elective-V	2						50		50
	UDE-08	2	Departmental Elective-VI									
<b>Total</b>			<b>15 credits - 15hr/wk</b>	<b>3</b>		<b>3</b>	<b>6</b>	<b>3</b>	<b>550</b>	<b>100</b>	<b>450</b>	<b>1100</b>

**Total Credits: 84**  
**Total Hours: 90**  
**Audit Courses (ncr): 03 - (total 6 hours)**  
**Subject for other Depts.: 02 – (marked \*)**

## Semester – 1

### UDF – 01 URBAN HISTORY AND DEVELOPMENT THEORY- I

#### Objective:

The objective of the course is to provide an understanding of development theories and the historical circumstances in which they evolved. It traces the historical path of urbanization as a process and examines the spatial correspondence between urban patterns through space and time and connected development paradigms focusing on pre-industrial settlements and urban centres, especially with regard to Asia and South Asia.

#### Content:

- The notion of 'Development', theories of development, debates on development vs growth
- History of economic thought and spatial dimensions of economic thought
- Economic Thinkers- Adam Smith, Karl Marx, John Stuart Mill, Thomas Robert Malthus, John Maynard Keynes, etc.
- Great Depression of 1929: Economic consequences, economic exigencies of the 2nd World War
- Overview of social and economic change in India
- City as a complex system
- City in History, continuity and transformation
- City types and form - evolution of city form
- Medieval cities
- Renaissance and Baroque cities
- Colonial Cities
- From architecture to public space

#### Pedagogy and Assessment:

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
2	2	-	-		100	50	-	150

The seminar will probe a theoretical idea/s and study the connected morphological manifestation through urban space characteristics. The foundations of theoretical and/or empirical inquiry leading to a public presentation of findings would form the main thrust of the exercise.

Internal assessment for the theoretical component of the course is through a seminar of 100 marks and through a written examination of 50 marks

#### Learning Outcome:

Students are equipped with an exposure of the historical evolution of urban settlements and connected development theories towards a clear understanding of the morphological dimensions of urban patterns and spaces.

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**UDF – 02 URBAN DESIGN METHODOLOGIES**

**Objective:**

The objective of the course is to provide a structured understanding of the forces that shape and develop cities, as also to develop a common vocabulary and set of concepts with which to map, analyze, understand and explain the form, structure and development of the city. Explanations of Urban Design terminologies, definitions and methodologies for shaping and understanding of urban form derived from literature and empirical evidence is offered through this course.

**Content:**

- The city and its multiple interpretations
- Urban Design and the Urban Designer
- Understanding Context- terminology and definitions, determinants of urban form, component of urban structure, character and identity
- Size, shape and form of cities
- Methods of urban design surveys, documentation and representation- Building and spatial analysis, architectural expression
- Concepts of space and place
- Adding Value through design
- Role of Urban Design in Policy and vice versa
- Integrated Design- an approach
- Delivering Urban Design and creating Legacy

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research/ Lab	Internal Marks	Examination	Jury	Total
2	-	-	-		-	100	-	100

**Learning Outcome:**

Students are exposed to terminologies and concepts of urban design, different methodological approaches and their manifestations



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**UDF-03- DIGITAL SKILLS FOR URBAN DESIGN**

**Objective:**

The objective is to introduce relevant computer application such as Geographical Information Systems and other software systems including 3D computation tools for documentation, mapping, analysis and presentation for urban design tasks, site planning etc; explaining their theoretical base, practiced by hands-on training on the studio problem or other assignments.

**Content:**

- Introduction to GIS and its applications in Urban Design
- Turning Geographic Information into GIS data
- GIS data procurement
- Creating maps- symbology and visualization, advanced mapping applications, annotations, web mapping etc.
- Common analytical tasks
- Working with data- raster data, CAD data and hydrology data
- Practical urban design exercises

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
			2		50		-	50

**Learning Outcome:**

The students are equipped with the use of multiple computation techniques, relevant software and application for analysis, conceptualization, representation and communication of Urban Design schemes.

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**UDF-04- RESEARCH METHODS**

**Objective:**

This subject is intended to introduce the rigour of basic research in the critical analysis and interpretation of urban phenomena and data. It will guide both studio and non-studio based enquiries of students towards structured, systematic and targeted research yielding qualitative and quantitative outputs.

**Content:**

- Introduction to research from 'subjective' to 'objective'
- Relevance of research in a design discipline, its role in the built environment
- Streams of research; applied, theoretical, empirical, historical interpretative, observational
- How to develop a hypothesis
- Literature review and subsequent evolution of a theoretical framework
- Defining the scope of research
- Identifying the approach for collecting data from both secondary and primary sources
- Socio-economic research techniques such as surveys, questionnaires, interviews, focused group discussions, participant observation
- Impact of 'Big Data' or statistics on interpretation of urban phenomena
- Role of Action based research in contemporary urban development and design

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
				2	50			50

**Learning Outcome:**

Students will appreciate the complexity of urban phenomena and will be better equipped to decode and interpret them. This will in turn help them in developing a more evidence based design approach.

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**UDC – 01 DESIGN STUDIO-I**

**Objective:**

The studio is the introduction of the student to the realm of urban design. The objective is to expose them to the complexities of the design process. To create an understanding of the role of various physical, social, economic and infrastructural components and decision making processes; the contribution of related disciplines associated with the production of the city. The studio will also familiarize the student with urban design terminologies, methods of surveys and site analysis.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
-	-	3	6		300	-	250	550

The design workshop will assist the students in acquiring skills of documentation, analysis and presentation of human networks urban design projects and typological studies. The workshop will include interactive seminar sessions with invited professionals who will demonstrate design development process of projects, their funding, management, implementation and any other relevant issues pertaining to design and development.

**Learning Outcome:**

Students will appreciate, understand and analyze real site conditions in an urban area, learn survey and documentation techniques, assessing needs and programming for design intervention.

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**UDC – 02 SITE PLANNING**

**Objective:**

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

**Content:**

- Introduction to site and context
- Site planning as ‘process’ and ‘theory’ – Objectives of site planning.
- Site reconnaissance - Surveys and overlays
- Ecological factors in site evaluation - processes, theories and approaches
- Site resource systems
  - Physiography
  - Geology and soils
  - Hydrology
  - Micro-climate
  - Vegetation
  - Wild life, terrestrial and aquatic
- Cultural resources
- Geographical settings and siting
- Urban vegetation, planning & maintenance
- Road layout and parking
- Site grading and drainage
- Sewerage, water supply and electricity

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
1	-	2			100		-	100

The workshop will revolve around individual and/or group tasks involving the practice of site planning techniques and methods including mapping, evaluation, analysis and development of the site and program.

**Learning Outcome:**

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.

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**UDC – 03 URBAN FORM LAB-I**

**Objective:**

The objective of urban form laboratories is to allow free experimentation and in-depth inquiry into the patterns and processes of urbanism as well as connected production of urban form and space. These laboratories are to provide platforms for inter/multi-disciplinary engagement of participants from varying backgrounds towards engaging with selected aspects of built environment conditions and/or project future scenarios of urban form. The Urban Form Lab (UFL) will extend possibilities of self-driven explorations on urban form as also collective pursuits of design and allied explorations.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
1	-			2	100		-	100

The laboratories will conduct short or long duration design experiments/research programs that will be offered to students from both years as well as from other interested participants across allied disciplines. The laboratories will work through units of around 8-10 students each who could choose their preferred unit for each of the 4 semesters.

**Learning Outcome:**

Students will be equipped to address selected aspects of the urban environment as members of multi-disciplinary groups through design experimentation and applied research.

## Semester – 2

### UDF – 05 PLANNING THE CITY-I

#### Objective:

The aim of the course is to expose the student to the principles of planning and critically evaluate different planning processes prevalent in India and abroad. A critical overview of the Delhi Master Plan is to be used as a case example to understand planning processes and its impact on the production of the City. At the same time, this course will introduce the important dimension of Mobility in the city and familiarize the students with movement systems and planning concepts, standards, methods, procedures and management systems for transportation.

#### Content:

The course is structured around two modules:

##### Planning Principles for Urban Design

- Concepts and theories of planning and their applications as Master Plans, Development Plans, Structure Plans etc.
- Planning terms and their definitions
- Concepts of Zonal Plans, Area Development Plans, Development Schemes, Urban Renewal, Redevelopment, City Development Plans, Planned Unit Development etc.
- Concepts of land use, zoning regulations, mixed use development, Special Economic Zones
- Planning surveys and sampling, evaluation of planning requirements
- Planning standards and models
- National Urban Planning-Policies and strategies
- Overview of Legal and statutory aspects of Planning, Town Planning Acts.

##### Urban Mobility

- Importance and role of transport in urban design
- Accessibility vs. mobility - Urban Transport and Types of Urban Mobility Systems
- Policy, Institutional and Legislative Scenario
- Land Use and Transport
- Travel Demand Management

#### Pedagogy and Assessment:

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
2	-	-	-		-	50	-	100

#### Learning Outcome:

Students are equipped with necessary information on urban planning and transportation theories, principles, techniques and methodologies.

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**UDF – 06 URBAN HISTORY AND DEVELOPMENT THEORY- II**

**Objective:**

The objective of the course is to provide an understanding of development theories and the historical circumstances of industrial and post-industrial settlements and urban centres, especially with regard to Asia and South Asia and the contexts in which they evolved. It traces the historical path of urbanization as a process and examines the spatial correspondence between urban patterns through space and time and connected development paradigms.

**Content:**

- Development Theory: Temporal perspective and spatial manifestation- critical evaluation of industrial revolution and post-industrial revolution eras
- Post 80s: The modern Corporation and Present Era: Global Economic order and corresponding ecological crisis
- The Industrial revolution, its effect on urbanism, emergence of town planning, zoning and building regulations
- Transportation, the building of suburbia, concepts of Garden Cities, influence on the development of mercantile Colonial Towns in India
- City beautiful movement – Chicago, New Delhi, Canberra, Berlin etc.
- CIAM and the Modern Movement, Bauhaus, Corbusier’s Radiant City etc.
- Urban renewal and post-war reconstruction, the picturesque city. The role of Geddes, Mumford and Jane Jacobs. Beginning of modern town planning in India
- City of the Automobile, the suburbia, New Town Movement and its influence on post-independent Indian city planning concepts
- Role of key Architects and Planners and their influence in the production of ideas and the evolution of form of the contemporary city

**Pedagogy and Assessment:**

Lectures/ week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
2	2	-	-		100	50	-	150

**Learning Outcome:**

Students are equipped with an understanding of the historical evolution of urban settlements and connected development theories towards a clear understanding of the morphological dimensions of urban patterns and spaces.

**UDF – 07 PARTICIPATORY PLANNING AND CO-DESIGN TOOLS**

**Objective:**

This course is intended to sensitise the students towards the diverse constituency and clientele in urban design. Stakeholders involved in the production, description, perpetuation and transformation of the urban reality have historically evolved processes for negotiating value and power, which is crucial to understand in order to affect change in any urban scenario. From top down to bottom up, this course will cover methodologies and approaches adopted in contemporary India and examples from abroad to unravel the participatory process.

**Content:**

- Deliberative practice and its origins; from Greek City-state to French movements and the emergence of the contemporary approach from '67 Paris to American planning practice
- Critical urban theory and Communicative theory its role in shaping participatory planning theory; including thinkers such as Lefebvre, Harvey, Habermas to Arnstein
- Understanding the role of different policy and legislative contexts (around the world) in shaping effective processes that inculcate real engagement and invoke a sense of duty among citizens
- Scales and sites of political influence on the participatory process in urban India, from micro spatial politics to big infrastructure investment
- Recent trends in enactment of the 72<sup>nd</sup> Amendment and subsequent implementation of Local Area Planning and its influence in empowering local stakeholders
- Recent trends in the incentivisation of “Action-based Research” resulting in several community engagement projects
- Learnings from National level programmes in urban development such as JnNURM, HRIDAY, SMART in their specific approaches towards participatory planning
- How to prepare for community engagement?
- What is a design charrette or planning event?
- How to conduct a comfortable, honest and productive engagement event?
- Understanding the difference between unbiased practice and advocacy

**Pedagogy and Assessment:**

Lectures/ week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
		2	-		50		-	50

**Learning Outcome:**

Students are equipped with a historical sense, theoretical basis and a practical understanding of deliberative practice. They are able to meaningfully engage as built environment professionals with communities and mobilize subjective opinion into development practice.



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**UDC – 04 DESIGN STUDIO – II**

**Objective:**

The objective of this studio is to hone the theoretical knowledge of the student from the first semester in resolving a design problem on a Green Field site preferably outside Delhi.

The first part of the studio will be an introduction to urban design city study, analyzing the various factors that determine the morphology of the city and the referencing of selected sites to the study. As far as practicable the project should be a live problem carried out with the active participation of the client.

The studio tutorial will assist the students in the methodology of conducting an urban design city study, techniques of surveys, analysis of information and presentation, typological studies and designs.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research	Internal Marks	Examination	Jury	Total
-	-	3	6		350	-	250	600

**Learning Outcome:**

Students are enabled to conceive urban design projects for green-field sites preferably for live and real urban conditions, thereby understanding client dynamics as well as tangible deliverables.

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**UDC – 05 URBAN POLICY AND MANAGEMENT FRAMEWORK (Environment and Heritage)**

**Objective:**

The aim of this course is to understand urban issues that signify everyday urban conditions with particular emphasis on Indian urban centres and connected policy-management frameworks. As part of this course, issues revolving around two important sectors of urban development – Environment and Heritage, are to be discussed. Issues of urban environment, debates on the quality of life in cities and important legal frameworks will be discussed through this course. The course also aims to focus on aspects of Heritage conservation and urban renewal as critical inputs for the recycling and revival of inner city areas while considering the dilemma of growth and change vs. preservation and continuity.

**Content:**

The course is structured around two modules:

- i. Environment and Sustainable Development
  - Climate change and city form
  - International agreements, agendas and protocols
  - Strategies and Concepts of sustainable development
  - Environmental Planning Techniques
  - Statutory Acts, Regulations and Notifications
  - Environmental impact assessment
  -
  
- ii. Urban Heritage, Renewal and Conservation
  - Understanding the notion of Heritage – tangible and intangible.
  - Overview of urban renewal and conservation
  - Conservation and Development - Urban conservation in India
  - Conservation principles, charters and legislations
  - Conservation led regeneration and regeneration strategies of inner city areas

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
2		-	-			50	-	50

**Learning Outcome:**

Students would be exposed to issues related to two important dimensions of cities- Housing and heritage as well as associated legal, policy and management frameworks.

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**UDC – 06 URBAN FORM LAB-II**

**Objective:**

The objective of urban form laboratories is to allow free experimentation and in-depth inquiry into the patterns and processes of urbanism as well as connected production of urban form and space. These laboratories are to provide platforms for inter/multi-disciplinary engagement of participants from varying backgrounds towards engaging with selected aspects of built environment conditions and/or project future scenarios of urban form. The Urban Form Lab (UFL) will extend possibilities of self-driven explorations on urban form as also collective pursuits of design and allied explorations.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
1	-			2	100		-	100

The laboratories will conduct short or long duration design experiments/research programs that will be offered to students from both years as well as from other interested participants across allied disciplines. The laboratories will work through units of around 8-10 students each who could choose their preferred unit for each of the 4 semesters.

**Learning Outcome:**

Students will be equipped to address selected aspects of the urban environment as members of multi-disciplinary groups through design experimentation and applied research.

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**UDE – 01 DEPARTMENTAL ELECTIVE I: IMAGINING CITIES I: Cities in Literature**

**UDE – 02 DEPARTMENTAL ELECTIVE II: Urban Infrastructure and Housing**

**UDE – 03 COURSES FROM OTHER DEPARTMENTS**

**UDE – 01 IMAGINING CITIES 1: Cities in Literature**

**Objective:**

The objective of the course is to explore the representation of city narratives through diverse literary forms – prose, poetry, script, etc. from selected writings across the world, including Indian/Asian works. Imaginaries of the city from within the literary realm become the sites of discourse on traditional and contemporary urbanism.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Internal Marks	Examination	Jury	Total
2	-		-		50	-	50

**Learning Outcome:**

Students are exposed to a wide range of imaginaries and representations of the city through selected readings and discussions. This exposure forms the foundation of critical appraisal of urban patterns and city formations and leads to a deeper understanding of the city as context.

**UDE – 02 DEPARTMENTAL ELECTIVE II: Urban Infrastructure and Housing Objective:**

The aim of this course is to understand urban issues that signify everyday urban conditions with particular emphasis on Indian urban centres and connected policy-management frameworks. As part of this course, issues revolving around two important aspects of urban development – Infrastructure and Urban Housing, are to be discussed. The course will focus on issues of Infrastructure (both physical and social) including large-scale interventions for the same as visible across urban centres in India. Correspondingly, issue of urban housing and different players will also be covered.

**Content:**

The course is structured around two modules:

- iii. Urban Infrastructure
  - Political economy of infrastructure provision – equity and access
  - Transport, environment and development
  - Technological innovations and emerging smart infrastructure networks
  - Social infrastructure and community life
  - Infrastructure and poverty
  - National Missions and policies on infrastructural provision
  - Management of infrastructural networks

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- i. Housing
- Overview of housing scenario in India, types of housing, demand and shortage
  - Traditional housing stock, its contemporary condition and transformations
  - Rent control laws, subdivision of property and its effect on traditional housing
  - Social housing scenario and the role of the State Governments & NGO's
  - Slums and squatter settlements, schemes for rehabilitation and improvement
  - Social impact of planned housing
  - Real Estate and speculation in the housing sector, comparison with other Asian cities
  - Housing as an investment, private public partnership, foreign direct investment and their impact on the housing market
  - Critical overview of the contribution of Central and State Governments, HUDCO, State Housing Boards, DDA, etc. in the production, control and management of housing
  - Housing policy and future housing scenario in India.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
2		-	-			50	-	50

**Learning Outcome:**

Students would learn issues related to two important dimensions of cities – Infrastructure and Housing as well as associated legal, policy and management frameworks.

## Semester – 3

### UDF – 08 PLANNING THE CITY-II

#### Objective:

The aim of the course is to expose the student to urban governance structure(s) as well as legislative and administrative frameworks with specific reference to different classes of cities in India. At the same time a more nuanced understanding of issues of urban mobility especially related to public transport, pedestrian spaces and emerging trends are to be provided in this course.

#### Content:

The course is structured around two modules:

- i. Urban Governance and Planning Legislation
  - Statutory powers and responsibilities of the Central Government with respect to Urban Development and the role of implementing agencies
  - Powers of the State Governments and Union Territories, decision making bodies and their legal structure
  - Town Planning Acts in India and their implementation strategies – critical appraisal
  - Statutory powers of the Local Bodies and Local Authorities
  - 73rd and 74th Constitutional amendments, their implications on urban governance and local bodies
  - Planning regulations and building by-laws
  - Appraisal of legislation for Public-Private partnership in Urban Development and Infrastructure projects
  
- ii. Planning and design for Mobility
  - Urban form and Movement networks
  - Transport Modes in Cities – from pedestrian and NMV, IPT to public transport options – BRT, MRTS, LRTs, etc. Issues of public vs. private modes of travel
  - Environmental and Social Sustainability in Transport
  - Design for transit – T.O.D, Last mile connectivity, Walkability and Pedestrian environments
  - Mobility systems and ITC interfaces – smart transportation

#### Pedagogy and Assessment:

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
2	-	-	-		-	50	-	50

#### Learning Outcome:

Students are equipped with necessary information on urban governance and institutional frameworks, legal mechanisms for project planning and delivery as well as planning/design approaches towards sustainable transport strategies.

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**UDF – 09 THESIS METHODOLOGIES**

**Objective:**

The aim of the course is to equip students with methodological and management tools to undertake an individual, self-driven design/research exploration on a thesis topic of their choice as assimilation of the learning process in the urban design program.

**Description:**

The course is seen as a pre-thesis preparatory engagement involving tasks related to the following:

- exploring and articulating areas of topical interest
- raising questions for design and research inquiry
- establishing relevance and need
- identifying and reviewing connected literature and case examples
- developing critical positions on urban conditions in relation to the chosen interest area
- articulating a well-established case for urban design engagement and connected outcomes
- formulating a methodological path for conducting the thesis, defining scope and objectives
- writing a detailed thesis proposal for consideration and approval

**Pedagogy and Assessment:**

Lectures/week	Seminar	Workshop	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
	-	3	-		100		-	100

The course will be conducted as a workshop with exercises and tasks as stated above. Successful completion and approval of final thesis proposal is mandatory for continuing Thesis by Design/Research (UDC-14) in semester IV.

**Learning Outcome:**

Students are equipped with necessary tools and methodological processes for exploring and defining individual thesis inquiry and writing an informed proposal for the same.

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**UDC – 07 DESIGN STUDIO - III**

**Objective:**

The objective of the studio is to focus on inner city regeneration in Delhi examining issues related to critical programme development, urban conservation, economic and environmental considerations, and infrastructure development, social and political forces.

The involvement of user groups and decision making agencies as a part of the project formulation and appraisal should be encouraged. Brown field sites may also be chosen for the exercise.

The design tutorial will focus on establishing the framework for their Thesis, guiding the students in the choice of a subject, relevant literature survey and case studies.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research	Internal Marks	Examination	Jury	Total
-	-		6		300	-	250	550

**Learning Outcome:**

Students are equipped to tackle urban design projects within existing inner cities areas dealing with issued of urban renewal, conservation and community.



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**UDC – 08 READING THE CITY**

**Objective:**

The objective of the course is to create an understanding of the reproduction of contemporary culture in the post-colonial city resulting from interdisciplinary participation drawn from sociology, history, cultural and political studies.

The course is structured around three modules:

i) Culture and Society

- The idea of urban, urbanization and urbanism
- Notions of a city, urban society and culture through selected writings
- Space as contested domain – public private, concept and production of everyday space
- Spaces of modernity vs spaces of social justice, post-modernity and the city
- Notions of space and place with reference to indigenous cities of S-E Asia
- Overview of cross-cultural influences in city development
- City as a human network – social structure and urban form
- Social access – territoriality, exclusion and inclusion, minority groups and the disadvantaged, children and the geographies of disability
- Urban life-style diversity and spaces of consumption
- Contemporary culture – the metropolitan experience

ii) Post-colonial city

- Urbanism, colonialism and the world economy
- Cities of uneven economic development, nature of structural reform
- The politics of globalization and liberalization and their manifestations in the post-colonial city
- Memory violence and urban space, case examples of South Asian cities

iii) City in transition

From the geographies of modernity to post-modernity and beyond, the case example of Los Angeles and contemporary development trends across the world

- Discoveries and implications of the post-metropolis, globalization and transnational urbanism
- Contemporary trends in the Asian city, conflicts, contestations and hybridization within the multilayered urbanities of Indian cities

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
2		-	-	2	50	100	-	150

**Learning Outcome:**

Students are informed of contemporary urban processes and characteristics of urbanism from the post-colonial period to the present day including theories and discourses across related fields and disciplines.

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**UDC-09 DEVELOPMENT PRACTICE, PROJECT PLANNING & FINANCE**

**Objective:**

With the introduction of large urban design and development projects in India, particularly under public-private partnerships, the importance of project planning its role in management and execution has become critical to its success. The objective of the course is to educate the students of the various methodologies, policies and financial frameworks.

**Content:**

- Introduction to Development Planning and management; Society, State and Market; Privatization, Liberalization and Decentralization; Equity and Development
- Introduction to project planning, theories, concepts and management
- Overview of the various methodologies of planning
- Project formulation, definition
- Norms, standards, aspects and methods of project appraisal
- Concepts of Project management, systems, frameworks and techniques
- Implementation strategies, scheduling, activities, progress reviews, corrective actions etc
- Economic and financial feasibility concepts and methods
- Project funding, economic feasibility and methods of recovery
- Mandatory legal and environmental approvals
- Special projects such as Special economic zones, export processing zones, townships etc. Case studies of successful projects and planning schemes are encouraged to be used as learning models.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Internal Marks	Examination	Jury	Total
2	-	-	-	-	50	-	50

**Learning Outcome:**

Students are equipped with necessary procedures to propose, evaluate and manage urban design projects at various scales including finance options and partnership models for implementation.

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**UDC – 10 URBAN FORM LAB-III**

**Objective:**

The objective of urban form laboratories is to allow free experimentation and in-depth inquiry into the patterns and processes of urbanism as well as connected production of urban form and space. These laboratories are to provide platforms for inter/multi-disciplinary engagement of participants from varying backgrounds towards engaging with selected aspects of built environment conditions and/or project future scenarios of urban form. The Urban Form Lab (UFL) will extend possibilities of self-driven explorations on urban form as also collective pursuits of design and allied explorations.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Research /Lab	Internal Marks	Examination	Jury	Total
1	-			2	100		-	100

The laboratories will conduct short or long duration design experiments/research programs that will be offered to students from both years as well as from other interested participants across allied disciplines. The laboratories will work through units of around 8-10 students each who could choose their preferred unit for each of the 4 semesters.

**Learning Outcome:**

Students will be equipped to address selected aspects of the urban environment as members of multi-disciplinary groups through design experimentation and applied research.

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**UDE – 04 IMAGINING CITIES 2: Cities in Visual Arts, Performing Arts and Digital Media**  
**UDE – 05 DEPARTMENTAL ELECTIVE IV**  
**UDE – 06 COURSES FROM OTHER DEPARTMENTS**

**Objective:**

The objective of the course is to explore and discuss city imagery as represented in visual and performing arts – public art, fine arts, design, cartoon and animation, photography, theatre, dance, music, opera etc of selected international examples and with emphasis on Indian/Asian works.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Tutorial	Studio	Internal Marks	Examination	Jury	Total
2+2	-				50+50	-	100

**Learning Outcome:**

Students are exposed to images of the city and techniques of representation through different media.

## Semester – 4

### UDC – 11 THESIS BY DESIGN AND RESEARCH

The culmination of student work, the design thesis is an independent design on a topic defined by the student, leading to the development of a clear design proposal to be supervised by a faculty team and evaluated by an external jury.

The tutorial will assist the students to strengthen the theoretical base of the thesis and analyze relevant successful design demonstrations through case studies.

The thesis by research is an independent research on a topic defined by a student, to be completed in the form of a comprehensive report under the supervision of an advisor and evaluated by an external jury.

The tutorial will assist the student in research methodologies, conducting of surveys, identifying case studies etc.

### Pedagogy and Assessment:

Lectures/week	Seminar	Tutorial	Studio	Research	Internal Marks	Examination	Jury	Total
-	-	3	6	1	450	-	450	900

### Learning Outcome:

Students demonstrate cumulative learning of theoretical pursuits and design techniques for chosen areas of enquiry and intervention in urban areas.

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**UDC – 12 CITY FUTURES LAB**

**Objective:**

The objective of the course is to examine contemporary concerns and emerging theories in the construct of the city, recent urban initiatives, sustainable development, smart growth, ecosystem approach, urban regeneration etc.

**Content:**

The course will critically review philosophies, visions and projections made in contemporary literature, film, digital media, etc. through urban design, architecture and planning projects and the views of social and political scientists, economists etc. for the future of urbanism and city dynamics.

- Early Utopian Visions
- City Visions out of Industrial City decline
- First Avant-Garde Futuristic City
- City Visions out of Post-War crisis
- City Suburbia and the Great Depression
- Anti-modernist, neo-traditionalist Ideology
- Anti-functionalism, Avant-Garde, neo-futuristic visions
- Mega-structures: Pro-consumption, post-revolutionary, anti-static society
- Visions out of environmental crisis: Resilient cities, etc.
- Current City Trends and connected visions – Edge City, Kinetic City, Eco-city, Smart city, etc.

**Pedagogy and Assessment:**

Lectures/week	Seminar	Workshop	Studio	Research/ Laboratory	Internal Marks	Examination	Jury	Total
1		-	-	2	100	50	-	150

**Learning Outcome:**

Students discuss future urban scenarios based on prevailing trends of change using critical appreciation through different media options.

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UDE – 07 DEPARTMENTAL ELECTIVE V  
UDE – 08 DEPARTMENTAL ELECTIVE VI

**Pedagogy and Assessment:**

Lectures/week	Seminar	Workshop	Studio	Research/ Laboratory	Internal Marks	Examination	Jury	Total
2		-	-			50		50