

23-24_2.6.1_Course Outcomes and Program Outcomes

Vivekanand Institute of Technology's

Padmabhushan Dr. Vasantdada Patil College of Architecture,

Address: 274/2, 275/2, 282, Aditya Nisarg, at post Pirangut, Tal. Mulshi, Dist. Pune-412115, Maharashtra.

POST GRADUATE - Urban Design (Academic Year 2023-24)

Program Outcomes

- 1 Students shall be equipped to understand surveying and documentation techniques, and analyse real site conditions in an urban area, assessing needs and preparation of programming of design intervention and design demonstration.
- 2 Students shall be equipped to understand urban spaces critically in terms of their processes, outcomes and performances.
- 3 Students shall be enabled to understand client dynamics and tangible deliverables through working on live and real case situations in the studio.
- 4 Students shall be exposed to the need of research in Urban Design, essentials of any research and various research methodologies used in Urban Design along with developing the skill of technical writing.
- 5 Students shall be equipped with necessary information on various interdisciplinary theories, principles, techniques and methodologies.
- 6 Students shall be enabled to deal with varying site-based natural and ecological systems with reference to urban design projects and the region at large.
- 7 The students are expected to learn to work as a team member towards a holistic development of the built environment.
- 8 Students shall be exposed to various modes of professional practice in urban design in local and global context through practical training as well as through theory courses.
- 9 Students will learn to take a position and be able to develop their own argument regarding an issue or the aspect of human settlement/town/city and demonstrate their response through design and implementation strategies.

Course Outcomes

M.Arch. Urban Design (2019 pattern)				
First Year				
Sr. No	Subjects	Credits	CO Nos.	Course Outcomes
1	UD Studio – I : Urban Interventions	10	CO1	Students will be exposed to the complexities of the urban processes which are context-specific thrusting upon site study, documentation, mapping and analysis which in turn will provide the key ingredients for gaining contextual knowledge of any given situation.
			CO2	Students will be equipped with understanding the role of various layers of the making of a city/town/village that contribute in the various urban processes. For e.g. physical, social, economical, infrastructural, etc.
			CO3	Students shall be able to understand the importance and contribution of a decision-making processes to be able to address the concerns holistically.
			CO4	Students will be aware of the contribution of related disciplines associated with production of the city.
			CO5	Students shall be familiarized with the urban design terminologies, methods of surveys and site analysis along with various documentation techniques.
			CO6	Students will understand about assessing the needs of the project along with preparing the programme of design intervention and design demonstration as part of the design realisation process.
2	Elective – I (Humanities & Social Sciences)	3	CO1	Students will be exposed to the idea of understanding various aspects of 'Humanities & Social Sciences'.
			CO2	Students will be exposed to the process of urbanism critically in contemporary context.
			CO3	Students shall be trained to identify and understand the issues, dilemmas, ideologies and new patterns that are emerging in contemporary contexts of urbanism.
			CO4	Students will be equipped with the ability of understanding and developing different approaches to address critical concerns under the domain of humanities & social sciences.
3	Landscape Urbanism and Site Planning	4	CO1	Students will develop skills that enable an urban designer to deal with large sites in a comprehensive manner by sensitively acknowledging its ecological setting.
			CO2	Students will be equipped with skills of mapping, evaluating and analysing the site and its resource systems.
			CO3	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 to enhance critical thinking and decision making.
			CO4	Students will be equipped with the abilities to conceptually understand the ecological support systems like services and related infrastructure.
4	History of Urban Form and Space	3	CO1	Students will achieve a comprehensive understanding of various ideologies, phenomena, processes, etc. that have shaped the evolution of settlements in history by studying precedent examples and its urban form and urban spaces in historical and theoretical terms.
			CO2	Students will be equipped to be exposed to the entire process of historical evolution and transformation of settlement pattern along with its urban form and space.
			CO3	Students will learn various urban form determinants by studying representative examples in reference to the historical timeline of evolution of urban design discipline.
			CO4	Students shall develop an understanding of the historical perspective when designing in contemporary contexts while being sensitive towards the original city form and fabric.
5	Urban Design Methodologies	3	CO1	To provide explanations of Urban Design terminologies, definitions and methodologies for shaping and understanding of urban form & urban morphology.
			CO2	Students will understand the theory and draw parallel references from empirical evidence based on interpretation of existing urban morphologies.
			CO3	Students are exposed to different methodological approaches, technologies, and foundation theories of urban design through established reference text sources such as books and journals.

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			CO4	Students will understand the aspect of various scales of representation of urban form & urban space under same.
6	Reading the City	2	CO1	Students will understand different examples from contemporary India drawn from various disciplines like history, sociology, humanities, political studies, economics and technology and their implications on the city space.
			CO2	Students shall understand the relation between the city space and its morphology.
			CO3	Students will understand the processes of production of culture where multiple layers of production exist simultaneously.
			CO4	Students shall learn ways of reading the cities and their phenomenon through different narratives and shall also be equipped with the required writing skills.
7	UD Studio – II : Urban Extensions / Green Field Development	10	CO1	Students will be able to apply theoretical knowledge in resolving a design problem for a Green Field site or an Urban Extension situation.
			CO2	Students shall be able to look at cities and their growth outside the realm of Urban Design and develop methods to comprehensively deal with its development within the context of the city itself.
			CO3	Students will develop a holistic (theoretical as well as physical) understanding of the site, its potentials and its constraints to be developed to create a set of proposals dealing with broad issues of sustainable development with focus on addressing the idea of resilience.
			CO4	Students shall be able to evolve a design brief pertaining to specific situations after an exhaustive analysis of the collected data, all within the limitations of the established norms.
			CO5	Students shall be able to formulate a vision statement and evolve a comprehensive urban structure plan for the proposed site addressing the site & context, culture and lifestyle, ecology and environmental issues, scales and density, services and infrastructure, etc.
			CO6	Students will be enabled with the skill to conceive urban extensions or development on green-field sites preferably for live and real urban conditions, thereby understanding client dynamics as well as tangible deliverables.
8	Elective – II (Interdisciplinary Design and Planning Fields)	3	CO1	Students shall develop a comprehensive understanding of the urban design discipline by studying it from various Interdisciplinary Design and Planning fields.
			CO2	Students will be exposed to the various aspects & concepts in relation with urban development from interdisciplinary fields like Imagining Cities in Visual Arts/ Performing Arts/ Literature/ Cinema; Urban Aesthetics; Landscape Urbanism; Art and Science of Conservation; Environmental Planning; Future Cities; G.I.S. and other softwares; Computer Aided Urban Design or any other topic that falls under this category.
			CO3	Students shall be equipped with the ability to think laterally about the cities and its complexities from the interdisciplinary perspective.
			CO4	Students will be familiarised to the ability of critical understanding one of the important interdisciplinary dimensions being dealt with in the UD Studio II through this elective.
9	Urban Design Theories and Criticism	4	CO1	Students will be acquainted with the evolution of ideas and principles of Urban Design by centering on the relationship between societal change and the formal organization of the urban environment.
			CO2	Students will learn to pursue historical, theoretical and critical lines of arguments by examining urban places and spaces in their making, use and change, ranging from early civilizations to the present.
			CO3	Students will be equipped with the ability to study and understand the urban spaces critically in terms of their production processes and their performances as social and public spaces.
			CO4	Students shall learn to evolve their thinking ability by processing various sets of information and also learn the skill of critical thinking and also learn the skill of representing their critical thinking through formal writing.
10	Research I	3	CO1	Students will attain the understanding required to establish the need of research in the field of Urban Design along with the process of formulating a research proposal and project.
			CO2	Students will gain awareness about different types of research, their advantages - disadvantages and their applications while learning various research methodologies and methods used in the realm of Urban Design and Urban Studies.
			CO3	Students will develop skills of conducting and communicating research by developing abilities of data collection, analysis, technical writing.
			CO4	Students will attain the comprehensive knowledge of conducting an ethical research which includes areas like understanding Cyber Security and Laws, Intellectual Property Rights and Plagiarism.
11	Planning Tools for Urban Design	3	CO1	Students will be exposed to the principles of planning and critically evaluate different planning processes prevalent in India and abroad to understand its impact on the development and growth of the City.
			CO2	Students will be aware of the statistical and survey techniques used in preparation of planning and urban design programmes informing the student of the various methods, techniques and processes of planning, focusing on the latest methods of assessing and gathering information.
			CO3	Students will learn concepts and theories of planning and their applications in terms of preparation of various types of plans, preparation of guidelines and regulations, understanding of legal and statutory aspects, etc.

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			CO4	Students will be equipped with necessary information and knowledge on planning theories, principles, techniques and methodologies.
12	Urban Systems	2	CO1	The students will gain an understanding of the infrastructure needs for an urban environment and fundamental concepts that cater to such needs.
			CO2	Students will be equipped and aware of both social and physical urban infrastructure along with their relationship with urban design.
			CO3	Students will be sensitized to the issues related to traffic & transportation in cities and various planning tools & mechanisms to cater to the same.
			CO4	Students will be informed of different transportation systems, surveys and models, standards policies and techniques for designing of pedestrian spaces, parking and other modes of travels, etc. along with their relationship with urban design.
Second Year				
13	UD Studio – III : Urban Transformations	10	CO1	Students will have had understood the process of evolving a premise for urban design in tune with the growth and transformations within / of a city in a brown-field situation.
			CO2	Students will be able to inspect into the various key issues within the city and identify opportunities of responses through various approaches like urban regeneration / restructuring / renewal, etc. and evolve an agenda for Urban Design through the lens of the approach selected.
			CO3	Students will learn to evolve a design brief and undertake suitable interventions with engagement of various stakeholders.
			CO4	Students will have learned appropriate tools and mechanisms for implementation of the proposed project with understanding of its financial feasibility.
			CO5	Students shall attain capabilities of theorising and articulating a design problem, understanding design decision process, preparing structure plan & design strategies, developing implementation mechanisms and evaluation needed to realise a practical Urban Design Project.
			CO6	Students will have learnt to prepare a comprehensive report of documentation, studies and analysis along with preparation of a Detailed Project Report (DPR) / Design Basis Report (DBR).
14	Research II	3	CO1	Students will be equipped with the thinking abilities to study central issues related to Urban Design from past, to the present day and future.
			CO2	Students will be capable of conducting theoretical explorations related and supportive to the selected research topic.
			CO3	Student will be equipped to undertake an independent and a methodical research on a topic in Urban Design.
			CO4	Students will be equipped with the comprehensive skill set of conducting and writing a successful research.
15	Urban Design Policies: Practice & Implementation	4	CO1	Student will have had acquired experience of working on projects of urban scale (research and design both) with an organization involved in Urban Design or its allied disciplines along with getting acquainted with the structure and systems of an office working.
			CO2	Students will be exposed to the nature of various Professional Practices in Urban Design in local and global context through practical training as well as through theory course.
			CO3	Students will be acquainted with the role and stature of an Urban Designer in the society, as well as understand the duties, responsibilities, liabilities and ethics as a professional by preparing a comprehensive Detail Project Report (DPR) which covers the entire process involved in the realization of any project.
			CO4	Students will be equipped with the understanding of providing professional services involved as part of the professional practice.
16	Urban Conservation	3	CO1	Students shall be equipped with the understanding of various charters, dossier and reports by various national and international agencies working in the field of Urban Conservation which in turn will sensitize students towards acknowledging and responding to heritage as an important component of any city fabric.
			CO2	Students will learn various tools and methods of documentation of the past layers of development of historic precincts corresponding to its time and context.
			CO3	Students will understand the importance of the discipline of Urban Conservation as a tool / method while developing design approaches like urban revitalization / renewal considering the socio-cultural and morphological aspects of the built environment from heritage perspective.
			CO4	Students will be exposed to the role and importance of Urban Conservation in Urban Design that will sensitize students to designing in the context and develop alternative frameworks of assessment and response.
17	Urban Economics and Financial Planning	3	CO1	Students will be acquainted with the idea of economy and finance as the vital dimensions of various urban processes.
			CO2	Students will appreciate and understand relation between Urban Design projects and economic processes at three scales – global, national and local.
			CO3	Students will learn concept, systems and mechanisms of urban financing as an important and allied component in realizing urban scale projects.
			CO4	Students shall develop the ability to analyze relations between trade patterns and urban structures and form.
			CO1	Students will be exposed to and learn the new trends and paradigms of urbanization / urbanism emerging through different phenomenon, discourses, practices, realities, etc. in the past 15-20 years with a focus on the Indian context.

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18	Emerging Urbanisation	2	CO2	Students will develop critical understanding of urbanisation and urbanism as processes and ideas of urban development as these patterns and ways of thinking tend to emerge as development trends.
			CO3	Students will have developed an understanding of the formal as well as informal trends in urbanisation which would have been a resultant of the processes of planned as well as spontaneous urbanisation involving various actors operating with complexities.
			CO4	Students will learn further to evaluate the potential and limitations of the emerging concepts in urban design in terms of their applicability at large by critically analysing various urban patterns and phenomenon.
19	Introduction to Constitution	2	CO1	Students will be aware of the structure, source, objects and philosophy of Constitution of India.
			CO2	Students will be acquainted with the understanding of their freedoms, responsibilities and fundamental rights and that of others too.
			CO3	Students will be aware of and learn about the Directive Principles i.e. 'Fundamental Principles' in the governance of the country as a state policy.
			CO4	Students shall have learned about their fundamental duties.
20	Urban Design Project	20	CO1	Students will have had developed the ability to both theorize and demonstrate their entire knowledge from the previous semesters in terms of theory, research and design.
			CO2	Students will learn to take a position and be able to develop their own argument regarding an issue or an aspect of human settlement / town / city through the knowledge gained from the research conducted earlier preferably.
			CO3	Students will develop the ability of additionally looking at research-based independent thinking pertaining to their design thesis project argument.
			CO4	Students should be able to critically reflect on similar arguments, ideas and design implementations in diverse contexts through the conduct of various reference studies.
			CO5	Students will have developed the ability to theorise and articulate a design problem, understand the design decision process, prepare a structure plan, formulate design strategies, realise the demonstration and respond it through design and implementation strategies.
			CO6	Students shall be equipped with the ability of preparing a comprehensive report of articulated design concern, documentation, studies, analysis and design.
21	Elective – III (Open Elective)	5	CO1	Students shall learn minimum one or multiple new dimension/s from the interdisciplinary area with its theoretical knowledge and practical understanding.
			CO2	Students will learn broad ideas and concepts inherent in the subject of elective offered.
			CO3	Students will understand the importance of application of the ideas and concepts learned and its contextualization in the field of Urban Design.
			CO4	Students shall be equipped with the abilities of supportive as well as lateral thinking ideas that contribute to the discipline of Urban Design.
			CO5	Students shall learn the abilities of participative as well as collaborative working.
			CO6	Students will be able to represent their learning outcome in the form of a report / journal / model or any other form suitable for the topic studied.