

**SAVITRIBAI PHULE PUNE UNIVERSITY**

**DETAILED SYLLABUS for  
SEM III AND IV  
M.ARCH (URBAN DESIGN)  
(To be implemented w.e.f. A.Y. 2017-18)**

**BOARD OF STUDIES IN ARCHITECTURE  
FACULTY OF ENGINEERING**

## SEMESTER –III

URBAN DESIGN STUDIO–III			
Subject Code -			
Teaching Scheme		Examination Scheme	
Hours / Week	9	Paper	Nil
Lectures/ week	2	Term work	Nil
Studio Periods/ week	10	Sessional (Internal)	100
<b>Total Contact Periods/ week</b>	<b>12</b>	Sessional (External)	100
		Oral (Internal)	100
		Oral (External)	100
<b>Total Credits</b>	<b>9</b>	<b>Total Marks</b>	<b>400</b>

### Objective:

The studio essentially aims at brownfield projects with a thrust to understand the process of growth and change of the city and undertake suitable interventions.

### Course Outline:

- To diagnose implications of suggested interventions on the larger urban fabric to re-examine proposed values in terms of time to change.
- The studio examines various aspects of the city within its context.
- It would inspect into the various key issues within the city that does offer opportunities for urban regeneration / restructuring / renewal, etc. and evolve an agenda for Urban Design along with a project brief based on the above.
- The studio to focus on emphasizing the idea of transformation with the above premise through application of various urban design methodologies undertaken in the previous semesters.
- The proposed development to be all inclusive in its essence, thus involving various stake holders, viz. the authorities, citizen groups, NGO's, professionals from interdisciplinary fields, etc.
- To propose design demonstration (strategies /policies) for urban transformations with appropriate tools and mechanisms for implementation of the same with financial feasibility.

### Sessional Work:

For this subject students will be assessed based on their process of documentation, methods of analysis, theorisation and articulation of the design problem and the design response.

Minimum Assignment/s submissions towards Sessional Work & Oral Examinations shall include:

- a. Comprehensive report of documentation, studies and analysis done by students in groups of not more than four each.
- b. Design portfolio showing theorisation and articulation of design problem, design decision process, structure plan & design strategies & implementation including design demonstration done by students individually / in groups not more than four students each.

### Learning Outcome:

- The students will understand the process of evolving a premise for urban design in tune with the growth and transformations within / of a city. Furthermore, also learning to evolve a design brief,

proposing design solution through various strategies and policies, implementation mechanisms and evaluation.

- The students are expected to learn to work as a team member towards a holistic development of the city.

**Suggested Reading/References:**

All books/ Journals/ magazines / unpublished/ published thesis/ research related to the studio project

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<b>RESEARCH METHODOLOGIES FOR URBAN DESIGN</b>			
<b>Subject Code -</b>			
<b>Teaching Scheme</b>		<b>Examination Scheme</b>	
Hours / Week	3	Paper	50
Lectures/ week	2	Term work	Nil
Studio Periods/ week	2	Sessional (Internal)	25
<b>Total Contact Periods/ week</b>	4	Sessional (External)	25
		Oral (Internal)	Nil
		Oral (External)	Nil
<b>Total Credits</b>	<b>3</b>	<b>Total Marks</b>	<b>100</b>

**Objective:**

To introduce methods and process of research, in order to understand the significance of the same with reference to urban design and to develop skills of conducting and communicating research.

**Course Outline:**

- Introduction to the need of research in Urban Design and the process of formulating a research project.
- Introduction to the design of research and its three essentials- ontology, epistemology and methodology
- Introduction to types of research, their advantages and disadvantages and their applications
- Introduction to research methodologies used in the realm of Urban Design and Urban Studies; Methods of data collection and data analysis, etc.
- Introduction to technical writing
- Introduction to cyber security and laws related to the same including Intellectual Property Rights
- Introduction to software for checking plagiarism

**Sessional Work:**

- Tutorials based on Course outline.
- Research proposal for the research project to be carried out individually in semester-IV stating aims, objectives, scope and limitations, methodology and overall research framework.
- Literature Review of at least 5 papers related to the topic of individual student

**Learning Outcome:**

Students will 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.

**Suggested Reading/References:**

- Creswell, J. W. (2003) *Research Design: Qualitative, quantitative and mixed methods approaches*, 2nd Ed., Thousand Oaks: Sage.
- De Vaus, D. A. (2003) *Surveys in Social Research*, Jaipur :Rawat Publications.
- Groat, L. & Wang, D. (2002) *Architectural Research Methods*, NY: John Wiley and Sons Inc.
- Kothari, C.R. (2005) *Research Methodology: Methods and Techniques*, New Delhi: WishwaPrakashan.
- Sanoff, H. (1977) *Methods of Architectural Programming*, Dowden Hutchinson and Ross, Inc. Vol. 29, Community Development Series.
- Sanoff, H. (1991) *Visual research methods in design*, USA: Van Nostrand Reinhold.
- Michelson, William. (1982) *Behavioural Methods in Environmental Design*. Stroudsburg, Pennsylvania; Dowden, Hutchinson and Ross, Inc, 1982.
- Nachmias, C.F. & Nachmias, D. (1996) *Research Methods in Social Sciences*. Great Britan: St. Martin's Press Inc. Book
- Babbie, E. (1983) *The Practice of Social research*. Third edition. Belmont: Wadsworth Publishing Co. book

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<b>ELECTIVE-3:</b>			
<b>Subject Code -</b>			
<b>Teaching Scheme</b>		<b>Examination Scheme</b>	
Hours / Week	2	Paper	Nil
Lectures/ week	1	Term work	Nil
Studio Periods/ week	2	Sessional (Internal)	50
<b>Total Contact Periods/ week</b>	3	Sessional (External)	50
		Oral (Internal)	Nil
		Oral (External)	Nil
<b>Total Credits</b>	<b>2</b>	<b>Total Marks</b>	<b>100</b>

**Objective:**

To develop comprehensive understanding of urban design by studying it from various perspectives.

**Elective topics to be suggested under following three perspectives:**

- **Humanities and Social Sciences:**
  - a. Urban Psychology
  - b. Semiotics
  - c. Behavioural Science
  - d. Anthropology
  - e. Gender Studies, etc.
- **Urban Management, Governance and Finance :**
  - a. Various project reports for project formulation like Techno economic feasibility reports, Detail project reports etc,
  - b. Project planning & financial management of urban projects
  - c. Disaster management in urban areas
  - d. Housing finance & management

- e. Urban Logistics,
  - f. Water & Energy management in the urban context, etc.
- **Interdisciplinary Design and Planning fields:**
    - a. Imagining Cities in Visual Arts/ Performing Arts/ Literature/ Cinema
    - b. Urban Aesthetics,
    - c. Landscape Urbanism,
    - d. Art and Science of Conservation,
    - e. Environmental Planning,
    - f. Future Cities,
    - g. G.I.S. and other softwares,
    - h. Computer Aided Urban Design, etc.

**Notes:**

1. For Elective-I, II & III above mentioned three perspectives are suggested so as to be able to provide the individual student an opportunity to customised the course as per his/her interest (three broad perspectives mentioned above) and strengthen their knowledge in that particular perspective, beyond the core subjects of urban design.
2. Institutes are suggested to offer distinct electives under these perspectives for all three semesters, wherein no repetition of any particular elective topic shall happen.

**Sessional Work:**

Sessional work could be decided by the respective tutor conducting a specific elective. Sufficient number of assignments to be conducted and the same to be designed in such a manner that student's ability to think laterally about the cities and its complexities could be assessed.

**Learning Outcome:**

Students are exposed to the various aspects & concepts in relation with urban development under above mentioned streams.

**Suggested Reading/References:**

All books/ Journals/ magazines / unpublished/ published thesis/ research related to the topic of elective offered.

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<b>URBAN CONSERVATION AND LANDSCAPE:</b>			
<b>Subject Code -</b>			
<b>Teaching Scheme</b>		<b>Examination Scheme</b>	
Hours / Week	3	Paper	50
Lectures/ week	2	Term work	Nil
Studio Periods/ week	2	Sessional (Internal)	25
<b>Total Contact Periods/ week</b>	<b>4</b>	Sessional (External)	25
		Oral (Internal)	Nil
		Oral (External)	Nil
<b>Total Credits</b>	<b>3</b>	<b>Total Marks</b>	<b>100</b>

**Objective:**

- To understand urban conservation as a tool/ method for urban revitalization/ renewal of the socio-cultural and morphological aspects of the built environment.
- To comprehend the interrelationship & interdependence of nature, landscape & built environment holistically.

**Course Outline:**

- To introduce and understand different types of urban conservation, guidelines, charters and legislations, agencies involved mechanisms of implementation and financing.
- To introduce and understand the interrelationship between natural and built environment through various examples and theories.
- To examine and understand the role of landscape in the built environment in contemporary context.

**Sessional Work:**

Sufficient number of assignments to be conducted and the same to be designed to respond to the aspects mentioned in course outline above.

**Learning Outcome:**

The students will be exposed to the role and importance of Urban Conservation and Landscape in Urban Design. And to sensitize students to designing in context.

**Suggested Reading/References:**

- McHarg, I. L, (1969) *Design with Nature*, Garden City, N.Y: The Natural History Press
- Jellicoe G. and Jellicoe S;(1995).*The Landscape of Man: Shaping the Environment from Prehistory to the Present Day*: Thames and Hudson
- Tom Turner;(1996) *City as Landscape- A post-modern view of Design and Planning*; London :E and FN Spon
- Simonds, J.O; (1978) *Earthscape- A Manual of Environmental Planning*; NY: Mc Graw- Hill Book Company.
- Mumford, L. (1996). *The City in History: its origins, its transformations and its prospects*. Harmondsworth, Penguin in association with Secker & Warburg.
- Worthing, D. and S. Bond (2008). *Managing Built Heritage: The Role of Cultural Significance*. Oxford, Blackwell
- Pickard, R.D. (1996). *Conservation in the built environment*, Longman

<b>URBAN DESIGN POLICIES: PRACTICE &amp; IMPLEMENTATION**</b>			
<b>Subject Code -</b>			
<b>Teaching Scheme</b>		<b>Examination Scheme</b>	
Hours / Week	8	Paper	Nil
Lectures/ week	5	Term work	Nil
Studio Periods/ week	6	Sessional & Oral (Internal) – Practical Training	75
<b>Total Contact Periods/ week</b>	11	Sessional & Oral (External) – Practical Training	75
		Sessional (Internal) – Theory Course	75
		Sessional (External) – Theory Course	75
<b>Total Credits</b>	<b>8</b>	<b>Total Marks</b>	<b>300</b>

\*\* This includes (Part A) Professional Training (40 working days), 4 credits out of the total 8 credits for the subject, will be dedicated to the professional training work. The Oral Assessment of the same will be held at the end of Semester III.

#### **Objectives:**

- Objective of practical training of 40 working days is to work on projects with an organization involved in Urban Design or its allied disciplines.
- Objective of theory course is to acquaint the student 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.

#### **Course outline:**

##### **Practical Training:**

- To get exposed to the process of design / execution /and management of a projects.
- To understand the various process / procedures of projects /government policies / procedures of various departments etc. which may come under the domain of Urban Design or its allied disciplines.

##### **Theory Course:**

- To acquaint the Student with the Scope and Avenues of professional services of an urban designer, and the demands and Mode of professional practice.
- To understand the impact of Urban design policies on development & procedures of formulation
- To become aware of the various Government policies, Documents & Processes related to urban development, urban design & Urban / Town planning.
- To define the Role of Urban Design as an inter-disciplinary profession & illustrate the changing nature of the profession- Local & Global forms of practices in the field.
- Awareness of the Social role of an urban designer & sensitivity and activeness in Social and Civic issues in urban context.

- Avenues of Professional service, mode and nature of professional Practice - Types of Organizations - Scope of comprehensive Services, Scale of Fees, and professional Management of Urban design projects

**Sessional Work:**

**Practical Training:**

- Professionals should issue a certificate of engagement, performance & completion of training to the student with respect to the work quality, overall approach, attitude towards office work.
- Students should produce report about the overall project/s along with drawings/documents with permission from the employer [to indicate the kind of work s/he has carried out] at the time of sessional -viva voce examination.

**Theory Course:**

Sufficient no. of assignments based on course outline mentioned above.

**Learning Outcome:**

Students will be exposed to various modes of professional practice in urban design through practical training as well as through theory course.

**Suggested Reading/References:**

- Handbook of Professional Documents - Council of Architecture publication
- Books / Documents related to real life case studies regarding impacts of urban design policies on development.
- Appointment documents / Contract documents / related to practice of Urban design projects.
- Various Government of India Policies, Acts, Rules & Codes like MRTP Act, Development control rules of various places in your context & other parts of India, Acts related to Co-operative development , Acts related to protection of Hawkers, Township Act, Industrial park schemes & acts under GOI , Cluster development policy, GOI Smart cities programme, JNNRUM, Various GOI Housing programmes like Pradhan mantri awas yojana, Rajiv Gandhi Awas yojana, SEZ, CRZ norms

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## SEMESTER –IV

URBAN DESIGN PROJECT			
Subject Code -			
Teaching Scheme		Examination Scheme	
Hours / Week	20	Paper	Nil
Lectures/ week	9	Term work	Nil
Studio Periods/ week	18	Sessional (Internal)	300
<b>Total Contact Periods/ week</b>	<b>27</b>	Sessional (External)	300
		Oral (Internal)	100
		Oral (External)	100
<b>Total Credits</b>	<b>20</b>	<b>Total Marks</b>	<b>800</b>

### Objective:

The objective of the Urban Design Project is to both theorize and demonstrate the understanding developed from the previous semesters of the course.

### Course Outline:

- To evolve and prepare a thesis proposal well supported with background research.
- The project is to be a culmination of four semesters of theory and design inputs, reflecting the value base expressed therein.

### Sessional Work:

- The sessional work will comprise of documentation, methods of analysis, theorisation and articulation of the design problem and the design proposal
- The students will be assessed based on their larger argument about the issue or the aspect of the project.
- Minimum Assignment/s submissions towards Sessional Work & Oral Examinations shall include:
  - i. Comprehensive report of documentation, studies and analysis.
  - ii. Design portfolio showing theorisation and articulation of design problem, design decision process, structure plan, design strategies and design demonstration.

### Learning Outcome:

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.

### Suggested Reading/References:

All books/ Journals/ magazines / unpublished/ published thesis/ research related to the topic selected by the individual student.

<b>RESEARCH PAPER</b>			
<b>Subject Code -</b>			
<b>Teaching Scheme</b>		<b>Examination Scheme</b>	
Hours / Week	5	Paper	Nil
Lectures/ week	3	Term work	Nil
Studio Periods/ week	4	Sessional (Internal)	100
<b>Total Contact Periods/ week</b>	7	Sessional (External)	100
		Oral (Internal)	Nil
		Oral (External)	Nil
<b>Total Credits</b>	<b>5</b>	<b>Total Marks</b>	<b>200</b>

**Objective:**

The main objective of this course is to assist students towards articulating and theorising their concerns culminating into a research paper.

**Course Outline:**

This seminar course is an extension of 'Research methodologies for Urban Design' course from Semester-III. Students are to write a research paper based on research proposal prepared in the earlier semester elaborating through documentation, reference studies, data analysis and inferences.

**Sessional Work:**

The paper (around 5000 words) based upon the approved topic, to be presented to experts. The paper is expected to be clear in terms of the three essentials of research – Ontology, Epistemology and methodology.

**Learning Outcome:**

Students will be introduced to technical writing along with articulating and theorising their concerns culminating into a research paper.

**Suggested Reading/References:**

All books/ Journals/ magazines / unpublished/ published thesis/ research related to the topic selected by the individual student.

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