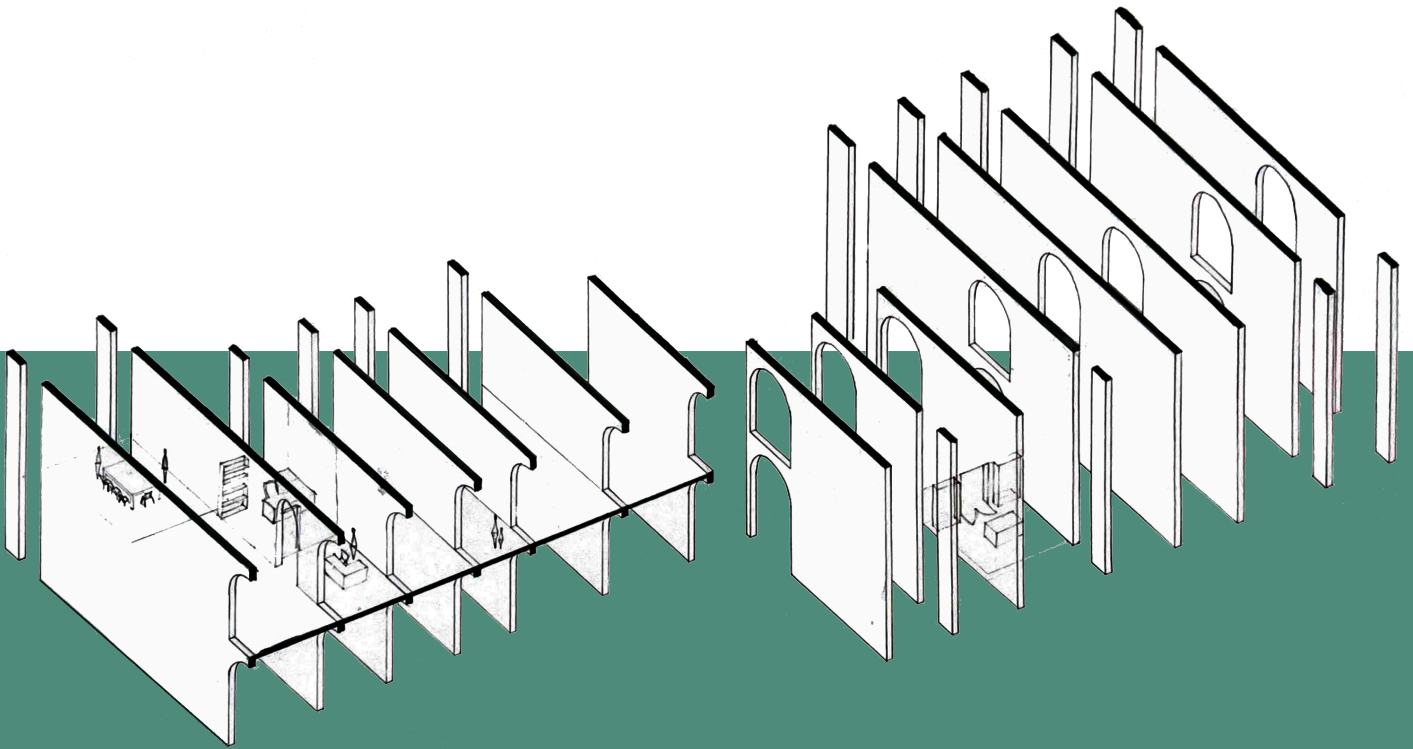


USM's
Kamla Raheja Vidyaniidhi Institute for Architecture & Environmental Studies

K R V I A



Course Structure Compilation
M. Arch (Post Graduate Course)
URBAN DESIGN
2019-20

Approved by
Council of Architecture

Affiliated to
University of Mumbai

USM's
Kamla Raheja Vidyanidhi Institute for
Architecture & Environmental Studies

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Contents

The Program Outcomes

First Year (2018-19)

SEM I

Course Components and Structure

CO-PO sStructure

SEM II

Course Components and Structure

CO-PO sStructure

Second Year (2018-19)

SEM III

Course Components and Structure

CO-PO sStructure

SEM IV

Course Components and Structure

CO-PO sStructure

2018-19

- 1. To acquire the ability to critically understand the context**
- 2. To be able to recommend real and speculative urban propositions**
- 3. To be able to validate urban interventions with theoretical positions.**
- 4. To be able to achieve technical competency for the respective streams.**
- 5. To undertake research for the production of new knowledge.**

Semester I

Scheme of Teaching and Examinations

SCHEME OF TEACHING AND EXAMINATIONS MASTER OF ARCHITECTURE (M.ARCH) URBAN DESIGN SEM I

	EXAM CONDUCTED BY COLLEGE	TEACHING SCHEME			
		Lecture	Studio	Total	Credits
	Semester I				
MUDC101	Urban Design history	2		2	2
MUDC102	Theory and Methods of Urban Design	2		2	2
MUDC103	Planning Techniques and Procedure-I	3		3	3
MUDE101	Compulsory Electives-1	3		3	3
MUDE102	Compulsory Electives-2	2		2	2
MUDS101	Landscape Design and Urban Ecology	2	2	4	4
MUDS102	Design Studio I		12	12	12
		14	14	28	28

SCHEME OF EXAMINATION SEMESTER I					
		EXAM SCHEME			
		Theory (Paper)	Sessional Work		Credits
	Semester I		Internal	External Viva	
MUDC101	Urban Design history	50	50		100
MUDC102	Theory and Methods of Urban Design		100		100
MUDC103	Planning Techniques and Procedure-I	50	50		100
MUDE101	Compulsory Electives-1		100		100
MUDE102	Compulsory Electives-2		50		100
MUDS101	Landscape Design and Urban Ecology		100		50
MUDS102	Design Studio I		450		450
	TOTAL	100	900		1000

URBAN DESIGN

2018-19

Semester I

MONDAY		TUESDAY		WEDNESDAY	
8.00 – 11.00	<p>Studio:I (UD+ UC)</p> <p>Credit: 12/ 6 (Interaction- Hrs) 3.0</p> <p>Aditya Sawant Ritu Mohanty Rohan Shivkumar Sanaeya V.</p> <p>(UD Internal/Jury: 450 (350+50+50) (UC Internal/Jury: 200 (100+50+50)</p>	8.00 – 10.00	<p>Conservation Techniques & Procedures (Traditional Built Form) (UC)</p> <p>CREDIT:2 (Lecture: 1.70 Hrs)</p> <p>Malini Rajalaxmi Sanaeya V.</p> <p>(INTERNAL: 50)</p>	8.00 – 15.00	<p>Studio:I (UD+UC) (Site Visit/ Special Lecture)</p>
11-20 - 13.00	<p>Studio:I (UD+UC) (Working Studio- 1.70Hrs)</p>	11-20 - 13.00	<p>Urban Info-Graphics (UC + UC)</p> <p>CREDIT:2 (Lecture- 2.0 Hrs)</p> <p>Hussein Indorewala Geoge Jacob</p> <p>(INTERNAL: 50/ Part of Studio I)</p>		
13.20-15.00	<p>Planning Technique & Procedure - I (UD+UC)</p> <p>CREDIT: (LECTURE: 1.50 Hrs STUDIO: -1.50 Hrs)</p> <p>Priya Chavan (INTERNAL: 50/ EXAM: 50)</p>	13.20-15.00	<p>Urban History (UD)</p> <p>CREDIT: 2 (Lecture - 1.70 Hrs)</p> <p>Malini Rajalaxmi Sanaeya V.</p> <p>(INTERNAL: 50/ EXAM: 50)</p>		



E L E C T I V E S U B J E C T S



C O M P U L S O R Y S U B J E

Semester I

Time-Table

8 - 1 9)

THURSDAY		FRIDAY		SATURDAY	
8.00 – 11.00	Studio:I (UD+UC) Credit: 12/ 6 (Interaction-3.0Hrs) Aditya Sawant Ritu Mohanty Rohan Shivkumar Sanaeya V. (UD Internal/Jury: 450) (UC Internal/Jury: 200)	8.00 – 11.00	Landscape Design & Urban Ecology (UD) / Natural Heritage (UC) (UD+UC) Credit:4 (UD) Lecture:2 + STUDIO:2, (UC) Credit: 6 STUDIO: 6 (Interaction 3-00 Hrs) Shweta Wagh Sandeep Menon (INTERNAL:UC: 200/ UD: 50)	8.00 – 10.00	Computer Programming & Information System (GIS) (UD) CREDIT: 2 (Theory & Studio-1.70Hrs) Abhijeet Ekbote Sandeep Menon (INTERNAL: 100)
11-20 - 13.00	Theory & Methods of Urban Design (UD) CREDIT: 2 (Lecture: 1.50 Hrs STUDIO: -1.50 Hrs) Manoj Parmar Ritu Mohanty (INTERNAL: 100)	11-20 - 13.00	Conservation Theory (UC) CREDIT:3 (Lecture- 1.70 Hrs) Vikram Pawar Sanaeya V. (INTERNAL: 50)	10-00 - 11.00	
13.20-15.00	Studio:I (UD+UC) (Working Studio-1.70Hrs)	13.20-15.00	Urban Sociology (UD+UC) CREDIT: 3 (Lecture - 1.70 Hrs) Fatima Sheema (INTERNAL: 50) (Part of UD & UC Theory Course)	13.20-15.00	Archaeology (UC) CREDIT:2 (Lecture- 1.70 Hrs) Andrea Baptista Malini Rajalaxmi (INTERNAL: 50/ EXAM: 50)

(S E L E C T T W O)

C T S

Urban Design
 Compulsory Elective I: GIS
 Compulsory Elective II: Urban Sociology

KRVIA MASTERS: SEMESTER: I
YEAR 2018-19

FACULTY: MALINI RAJALAXMI | SANAHEYA VANDREWALA
SUB: URBAN HISTORY THEORY

COURSE OBJECTIVES

1. To introduce students to the history of the concept of Urbanism and how it has changed, adapted and evolved over centuries around the world.
2. To initiate the understanding of city planning, its relevance through various examples of planned and organic cities in various eras around the world.
3. Understanding the urban history through documented history and its relevance to contemporary urban form of historic cities.

COURSE METHODS:

- The course shall be conducted in two modules broad modules and total of ten lectures. The broad modules are as follows:

Urbanism in History

- Introduction
- Evolution of cities
- Timeline

Typology of cities

- Early, Greco-Roman, Medieval
- European, Colonial
- Islamic, Indian
- Modern

SESSIONS:

23/08/2018 Introduction. What is urban? Its relevance. Evolution of cities.
Discussing the Timeline, citing examples.

30/08/2018 Early cities

06/09/2018 Greek & Roman eras

20/09/2018 Medieval cities
Introduction to Assignment 1- "Evolution of the City" (historical, urban, cultural context)

25/09/2018 Patterns of European planning

03/10/2018 PRESENTATION OF ASSIGNMENT

09/10/2018 PRESENTATION OF ASSIGNMENT

16/10/2018 Indian cities pre colonialism

11/10/2018

PRESENTATION OF ASSIGNMENT 1- 50

DIWALI BREAK

13/11/2018 Islamic cities -1 workshop
Introduction to Assignment 2- City case studies: Comparison citing 2 examples

20/11/2018 Islamic cities-2

27/11/2018 Colonial planning-Americas, Asia, Africa

04/12/2018 Modern Movement

11/12/2018

PRESENTATION OF ASSIGNMENT 2- 50

END OF SEMESTER

CO-PO mapped syllabi of Master's in Urban Design 2018-19 – Urban Design History

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context.
2. To be able to recommend real and speculative urban propositions.
3. To be able to validate urban interventions with theoretical positions.
4. To be able to achieve technical competency for the respective streams.
5. To undertake research for production of new knowledge.

Course: Urban Design History

University Course Code: MUDC101

Sem- 1

Year - First

KRVIA Course Code: UHS-622

Course Objectives:

1. To introduce students to the history of the concept of Urbanism and how it has changed, adapted, and evolved over centuries around the world.
2. To initiate the understanding of city planning, its relevance through various examples of planned and organic cities.
3. Understanding the urban history through documented history and its relevance to the contemporary urban form of historic cities.

Course Outcomes:

1. The student shall be equipped with a better understanding of how historic cities function.
2. Understand how cities have been planned and be able to comprehend the multi-layering and diversity in thought process required to be able to plan an urban area.
3. The students shall be able to assess, analyse and critique well-planned or ill-planned historical examples of ancient or modern cities or ideas explored by master planners and utopian ideas.

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task									
Assessment Grade	O++	O+	Outstanding O	Excellent A	Very Good B	Good C	Fair D	Satisfactory E	Fail F
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map, drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	The student shall be equipped with a better understanding of how historic cities function.	3	3	1	2	1
CO2	Understand how cities have been planned and be able to comprehend the multi-layering and diversity in thought process required to be able to plan an urban area.	3	3	2	2	1
CO3	The students shall be able to assess, analyse and critique well-planned or ill planned historical examples of ancient or modern cities or ideas explored by master planners and utopian ideas.	3	3	3	2	2

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

KRVIA

M.ARCH: SEM: I (URBAN DESIGN/ URBAN CONSERVATION)

YEAR: 2018-2019: **SUB/STUDIO: URBAN PLANNING PROCEDURES AND TECHNIQUES**

FACULTY: MinalYerramshetty, Keya Parekh

UNIVERSITY CODE: MUDC 103 ; C1B

KRVIA CODE: UDP 633.1

INTENT:

India is rapidly going through the process of urbanization with the expected 40-45% of population residing in urban areas. The intent of the course is to understand various ways the urban planning strategies are conducted at government level. The urban planning in India is based on development plans, regional plans, zonal plans, zoning regulations, urban byelaws and various policies set up by the state government. Various past planning approaches are studied and critiqued as most of the methods adopted in India are parochial and unable to meet pace with the rapidly changing dynamics of eco-socio-cultural aspects of the urban areas. To address this various changing facets of urban planning such as social, economic, cultural, legal, political, ecological, technological, aesthetic, geographical, and so forth, new tools and techniques need to be understood and incorporated to understand, analyse, and influence the above mentioned variety of forces and shaping of the built environment.

Course Objectives:

To introduce students to various and wide variety of roles a planner plays in planning for urban and regional development. They are introduced to various aspects of planning process such as land-use, regulation; community and local economic development, infrastructure and transportation planning, sustainable development; and urban design.

- To introduce students to various planning theories to enable them to grasp the extent of planning procedures for the cities and the way have shaped.
- To introduce them to the dynamics of planning procedures, various layers of investigation, and critical analysis of the same to arrive at integrated planning conclusion
- To introduce various tools and techniques of mapping, data collection, representation and analysis of the same.
- To enable students to understand the reading/understanding of cities and its relation to its broader regional context, to inculcate a systemic and holistic understanding of the various layers that go into making a city 'look' like a city. The same methodology is applied for understanding planning at various scales and levels i.e the region, the city and the neighbourhood.
- To enable students to look critically at contemporary planning practices and current issues faced by the planners. To understand the various market forces that act predominantly to formulate guidelines and policies that affect the physical planning and impact urban form of the city to critically review various frameworks, policies and legislations concerning various planning aspects for the city or region.
- To comprehend the role of urban planning and its impact on urban form, housing, amenities design and management of cities through a review of relevant case studies of planned cities.

Course module:
Course 1: Basics of planning - Introduction to urban planning procedures, role of a planner, various terms related to it
This course will attempt to deliver the wide and varied role a planner plays in planning of cities and the basics of urban planning component. Various terms and terminology related to the same will be discussed and continued further in other classes in elaboration.
Course 2: History of urban planning and various theories of planning that evolved
The course will look very briefly at historical trends in planning and key historical events, various urban planning theories that evolved after industrial revolution through case studies and critically analyzing them. Objective and scope of planning, urban and rural definition, various factors of city formation and evolution, various issues that city faces and policies implemented to curb those issues
Course 3: Understanding various components of urban planning
The course will look at various types of cities evolving, urban form and structure of cities, transformation of cities, tools of planning, land use and zoning, various plans. The intent is to enable students to read cities visually.
Course 4 : Livability and competitiveness of city
With rapid urbanization and cities bursting at seams cities are often not conducive for living satisfactory life. Livability concept looks at quality of life rather than standard of living and the various aspects that enter the realm of planning when considering livability.
Course 5: Looking at various planning aspect such housing, amenities and transportation:
Livability encompasses large facilities for high quality of living such as affordable housing, easy reaching amenities and quick and affordable mass transportation making cities congestion and pollution free. Zoning, landuse and transportation planning aspect will be discussed along with other livability aspect such as social and economical inclusion, and making cities safe.
Course 6:Ecology and environmental
The rapid and worldwide urbanization of the human population raises concerns about the sustainability of cities. In this course sustainable development is not a mere environmental but includes social and economic concerns as well. Policy framing and governance is discussed briefly as one of the tool for implementing planning spatially.
Course 7: Governance
the cities transform and the ways and means of this transformation legally ie planning process are discussed such as what are Development plan,structure plans, scope and objectives of those? What are planning processes at various level of governance? Understanding the same via studying some of the case study of new towns formed in india.
Course 8: Planning tools and techniques
various techniques to

LECTURE SCHEDULE
DATE - 20-08-18
Introduction to the Course
Lecture 1 – Role of the planner and general planning components that will be discussed further
Studio: Assignment 1: a very brief presentation preparation on various planners

DATE – (2 lectures) 27-08-18 , 3-9-18

Lecture: History of urban planning and various theories of planning that evolved

1. **History of urban planning:** Greek, Roman, Medieval, Renaissance, Baroque town overview
2. **Industrial revolution:** Impact and resulting urban planning theories
3. **Planning Theories:** Ebenezer Howard, C.A.Perry, Le Corbusier, FLW, Peter Hall, Kevin Lynch, Jane Jacob and etc.

Studio: Assignment 2- Library research- Book Review -

DATE – 10-9-18

Lecture: Understanding various components of urban planning: components discussed in first lecture will be discussed in detail

1. Evolution of city – inner city, density, demography, fringe development, patterns of activity and transport network,
2. Types of cities – megacities, metropolis, cities based on demography (tier 1,2,3) and cities based on function such as capital/administrative city, industrial, temple, cultural cities etc.
3. Urban form and structure – CBD, Suburbs, transition, linear, grid, hybrid, ring and radial, TOD etc form will be discussed
4. Land use and zoning

Studio: Assignment 3 – Taking a 500 mt by 500 area around their residential and understanding its structure and urban form. Presentation in hard copy to be submitted.

DATE 17-9-18

Lecture: Livability and competitiveness of city

1. Livability – concept, category of indicators, economic graph
2. Vision for city – concept, parameters, case studies
3. Preparation of base map – different layers such as environmental, demography, economics, transportation, amenities, etc discussed and analysed

Studio: Assignment 4 – Book Review -

DATE (3 lectures) 24-9-18, 1-10-18, 8-10-18, 15-10-18

Lecture: Looking at various planning aspect such housing, amenities and transportation

1. Housing – UDPI parameter, affordability, mode of building housing, slum, policy
2. Amenities – physical and social amenities, mode of provision,
3. Transportation - MRTS, modal split, TOD and respective development, park connector network,

Studio: Assignment 5 - An analysis of urban form of different types of cities

DATE (2 lectures) 22-10-2018, 29-10-2018

Lecture: Ecology, environmental and Governance

1. Sustainable communities, different types of public open spaces, crz and other acts.
 2. Governance – agencies under central, state and city level, overview of various acts,
- Studio: Formulating Design strategies and development guidelines

ASSIGNMENT:I, II, III, _____	DESCRIPTION OF ASSG.	GRADE: PERCENTAGE
Assignment I: Case studies	Study on the work of urban planner. Power point and report.	10%
Assignment II: book review	Students are required to read certain provided literature on planning and give their summarized understanding of the same.	10%
Assignment III: Understanding structure and urban form in their own area	Students will make drawings from maps (Either DP or google) to understand the urban form. They will mark all important built form, activity patterns, all transport routes identifying dense and sparse, amenities and open spaces. Will make a report of it giving their critic on the form. Submission format: Printouts and presentation – 5 minutes each	20%

Assignment IV: book review	Submission format: printouts compiled in the form of a report	10%
Assignment V – an analysis of a base map of city	Students will be provided a list of cities on which they will be analysing their urban form, structure and planning by reading CDP report.	50%

DATE 26-11-18 : ASSIGNMENT 1: POWERPOINT PRESENTATION AND SUBMISSION- 5 MINUTES PER STUDENT
DATE 03-12-18 : ASSIGNMENT 2 AND 4: written report – compiled and emailed.
DATE 10-12-18 : ASSIGNMENT 3- STUDENTS PRESENTATIONS AND DISCUSSION- 10 MINS PER PERSON
DATE 17-12-18 : ASSIGNMENT 3- STUDENTS PRESENTATIONS AND DISCUSSION- 10 MINS PER PERSON

SELECTED READINGS

SOURCE: KRVA LIBRARY.

CO-PO mapped syllabi of Masters in Urban Design 2018-19 – Planning Techniques and Procedures - I

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

- To acquire the ability to critically understand the context
- To be able to recommend real and speculative urban propositions
- To be able to validate urban interventions with theoretical positions
- To be able to achieve technical competency for the respective streams
- To undertake research for production of new knowledge

Course: Planning Techniques and Procedures I

University Course Code: MUDC 103

Sem- 1

Year - First

KRVIA Course Code: UDP 633.1

Course Objectives:

- Critical evaluation of history and principles of planning in the international and national context
- Understanding of institutional and legal framework of planning at the national, state and city level
- Analyzing the application of planning techniques and approaches within different contexts and issues

Course Outcomes:

- Instilling the ability of the students to critically understand the process of creating planning as a technical profession.
- Making students aware the possibilities as well as limitations of different planning approaches through case studies.

- Ability of students to use an appropriate planning technique/approach based on a particular vision or goal.

USM's Kamla Raheja Vidyandhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task									
Assessment Grade	O++	O+	O	A	B	C	D	E	F
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map, drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Instilling the ability of the students to critically understand the process of creating planning as a technical profession.	3	0	3	0	1
CO2	Making students aware the possibilities as well as limitations of different planning approaches through case studies.	3	3	2	2	1
CO3	Ability of students to use an appropriate planning technique/approach based on a particular vision or goal.	2	3	3	3	2

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

KRVIA MASTERS: SEMESTER: I
YEAR 2018-19

FACULTY: MANOJ PARMAR | RITU MOHANTY
SUB: URBAN DESIGN THEORY

COURSE OBJECTIVES

- To delineate the main ideas and methods, those have influenced the urban design practice.
- To familiarize the students with the influential urban design theories, principles, conceptual and physical models, analytical methods and drawings over the period, and explores critically the imperative that has caused the situation, their interrelationships, spheres of influence.
- Students will be able to: critically review and interpret key urban design texts, construct and present basic arguments, engage with key literature and other sources of knowledge; and use basic conceptual frameworks for Urban Design arguments.
-

COURSE METHODS:

- The course shall be conducted in three modules broad modules and total of nine lectures. The broad modules are as follows:

URBAN SCAPE

- URBAN HISTORY
- PICTURUSQE THEORY
- IMAGE THEORY

SPACE AND TIME

- MORPHOLOGY THEORY
- CULTURAL THEORY
- BEHAVIORAL THEORY

GEOGRAPHY AND PLACE

- PLACE THEORY
- NATURE-ECOLOGY THEORY.
- DESCRIPTIVE THEORY

23/08/2018 COURSE INTRODUCTION AND ITS STRUCTURE AND INTENT

30/08/2018 URBAN HISTORY AND URBAN HISTORICISM.

06/09/2018 BEAUTIFUL CITIES, CIVIC VIRTUES & HARMONIOUS SOCIAL ORDER

13/09/2018 IMAGE OF THE CITY, SERIAL VISION, GOOD URBAN FORM

20/09/2018	DISCUSSION ON GROUP ASSIGNMENT- 50
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27/09/2018 URBAN MORPHOLOGY AND FIGURE GROUND, LINKAGE THEORY

04/10/2018 URBAN CULTURE, SPATIAL & SOCIAL PROCESSES

11/10/2018 ROLE OF BEHAVIOURAL SCIENCE AND URBAN DETERMINISM

18/10/2018	DISCUSSION ON GROUP ASSIGNMENT-50
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22/11/2018 SPATIAL NETWORK, SPACE DISTRIBUTION & URBAN EXPERIENCE

20/11/2018 URBAN ECOLOGICAL SYSTEMS, HETROGINIETY AND SOCIAL LIFE

06/12/2018 URBAN ECONOMICS, RESURGENCE & GLOBAL CITIES

TERM ENDS ON 15 TH DECEMBER 2017

**CO-PO mapped syllabi of Masters in Architectural & Urban Conservation
2018-2019 – Theory and Methods of Urban Design (E1a)**

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Theory and Methods of Urban Design (E1a)

University Course Code: E1a (MUDC 102 Sem- 1 Year - First)

KRVIA Course Code: UTH 622.1

Course Objectives:

1. To develop the method of reading and representing of cities through various types of drawings and narratives.
2. To familiarize the students with the influential urban design theories, principles, conceptual and physical models, analytical methods, and drawings over the period, and explores critically the imperative that has caused the situation, their interrelationships, and spheres of influence.
3. Students will be able to: critically review and interpret key urban design texts, construct and present basic arguments, engage with key literature and other sources of knowledge; and use basic conceptual frameworks for Urban Design arguments.

Course Outcomes (CO):

1. Develop an understanding of reading and representing cities through various urban theories 2. Familiarize the students with the influential urban theories and explore critically the imperatives

that have caused a situation, their interrelationships, and spheres of influence in the making of the city.

3. Critically assess and analyze important urban design theories, build and present basic arguments, and apply fundamental conceptual frameworks for urban design arguments.

Rubrics:

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	O	A	B	C	D	E	F
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / un-disputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourcseful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical underst anding of context	PO2: Urban proposi tioning	PO3: urban interventio ns with theoretical positions	PO4: Technic al Compet ency	PO5: Creatio n of new knowle dge
CO1	Develop an understanding of reading and representing cities through various urban theories	3	3	0	2	1
CO2	Familiarize the students with the influential urban theories and explore critically the imperatives that have caused a situation, their interrelationships, and spheres of influence in the making of the city.	3	3	3	2	1
CO3	Critically assess and analyze important urban design theories, build and present basic arguments, and apply fundamental conceptual frameworks for urban design arguments.	3	2	3	2	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation 0 – No Correlation

Course:	Geographical Information Systems
Duration:	64 periods of 50 minute duration
Marking:	Internal - 100
Faculty:	Faculty: Abhijit Ekbote
Pedagogic Intent:	To understand the basic principles of Geographical Systems and its areas of applications in the field of Urban Studies. The course on GIS (Geographic Information System) for students of masters in urban design and urban conservation aims to look at a specific method of making maps through designing the data structure, recording the set of information through remote sensing and retrieving the same in a desired form.
Methodology	The course learning shall be primarily divided in three broad stages: 1. Methods of Making Maps in GIS 2. Managing and Sorting Information in a Systematic Manner. 3. Retrieving Information in the form of Analytical Maps. The secondary softwares which will be used in this process are Google Earth, Autocad (with the PlexEarth plugin), CAD2Shape and the primary software shall be Quantum GIS 2.0.0 (or whichever is the latest version) which is Open Source. The current design studio site (or the site under study for Site Planning subject) shall be taken up as a GIS exercise throughout the semester, which will then enable the students to create analytical maps and thereby draw inferences or conclusions from them. These conclusions could then become instrumental in taking relevant design decisions for their individual Studio or Site Planning projects. The following steps will be followed towards the creation of an open space accessibility data for Mumbai:- <ol style="list-style-type: none"> 1. Assessing the existing GIS data and tabular data on the open space of Mumbai. 2. Attaching location attributes to non geo-referenced tabular data. 3. Designing a Qualitative Data Attribute Structure which will be add-on to the existing data of MMREIS. 4. Visiting site and collecting data using field data collection apps. 5. Assimilation of data and connecting it with the spatial data. 6. Styling the data to arrive at an 'Accessibility Index'. 7. Publishing data on web.
Course content/ Design Brief:	Study Area A Comparative Study of Designated Open Spaces and their Present Relationship with the Informal Settlements in Terms of Accessibility through a Mapping of Two Wards in Mumbai. (D ward and RN ward) Starting Position and Intent Open spaces are a crucial component of our cities and equal access to them by all types of inhabitants is not only important but also one of the biggest challenges faced by cities today. The first step towards imagining inclusive cities would be to understand who are excluded and to what degree are they excluded. The need for a method, which allows us to develop a tool for measuring this imbalance, or, the degree of accessibility, is the primary driver of this research. The present available open space person per capita, as per a study conducted by

	<p>MMREIS, is less than 0.9 square meters in the City of Mumbai (Adarkar, 2009), considering Municipal Corporation of Greater Mumbai limits. This calculation holds good for a certain global density, which is an average of several different densities across the city. Formal housing, which has a relatively lower density as compared to the informal settlements, on an average, has a better access to open space amenity either within their communities or outside. Informal settlements on the other hand, which are substantially denser as compared to the formal housing areas, have little or no access to open space amenity. This clearly shows a disparity in the degree of accessibility to designated open spaces across different populations. Hence the numerical figure of 0.9 square meters per capita could be grossly misleading as it averages out the glaring differences in terms of equitable access to open space amenities.</p> <p>One of the research goals would be arrive at a methodological tool to map, measure and represent the degree of accessibility of the designated open spaces available to the informal settlements, which could be a crucial finding towards envisioning inclusive cities.</p> <p>Study Objects The study will consider the following elements as research objects:</p> <ul style="list-style-type: none"> - Designated Open Spaces - Linkages - Informal Settlements - Gated Communities <p>Assumptions The research assumes that certain factors such as income levels, degree of developed infrastructure and land values have a direct impact on the degree of accessibility to designated open spaces with respect to informal settlements. Another crucial assumption is that the formal housing not only has a better access to designated open spaces, but also has open spaces within their gated communities. These assumptions will be substantiated through detailed mapping and analysis of two different wards in Mumbai, D - ward (located in the island city) and R N - ward (located in the western suburbs).</p>		
Reading List:			
Course Schedule:	Lecture schedule - Presentation by faculty Deliverables-Review dates, Assignments/Papers/Tests/Group Presentations/Discussions		
Month	Date & Day	Description of schedule /deliverable	Internal Marking Scheme
August	24 th August	Tutorial on 'Introduction to the basics of GIS'	
	31 st August	QGIS Interface, Attribute Tables, Drawing in QGIS, etc.	
		3rd Sept to 13th Sept – Ganeshotsav Break + Bakri Eid	
September	14 th September	Geo-referencing Tutorial	
	28 th September	Geo-referencing – working class	

October	5 th October	Geo-referencing – working class & submission by the end of class in soft format.	25 marks
	12 th October	Designing Qualitative Attribute Structure assigning abbreviations, etc. Tutorial on 'How to use Forms app for on-site Data Collection'. Tutorial on how to use Open Data Kit for on site data collection.	
	12 th October	Site visit for data collection using Open Data Kit.	
		22nd Oct to 14th Nov – Diwali Break	
November	16 th November	Site visit for data collection	
	23 rd November	Compilation of Site Data & Submission of site work in tabular format.	25 marks
	30 th November	Vectorization and entering data simultaneously – working class	
December	7 th December	Vectorization and entering data simultaneously – working class Attaching Site Data with the vector data and creating sample maps. Tutorial on Styling and Publishing data on the web.	25 marks
	14 th December	Completing pending work and merging the entire class work as a single GIS Database Final Submission	25 marks

Bibliography

Adarkar, N. (2009). *Inventorization of Open Spaces and Water Bodies in Mumbai*. Mumbai: Mumbai Metropolitan Region Environment Improvement Society.

CO-PO mapped syllabi of Master's in Architectural & Urban Conservation 2018-19 –
Compulsory Elective - 1 (Geographic Information System)

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context.
2. To be able to recommend real and speculative urban propositions.
3. To be able to validate urban interventions with theoretical positions.
4. To be able to achieve technical competency for the respective streams.
5. To undertake research for production of new knowledge

Course: Elective- **Compulsory Elective - 1 (Geographic Information System)**

University Course Code: MUDE101

Sem- 1 Year - First

KRVIA Course Code: USOM-622.8

Course Objectives:

1. Orient students to structured and objective methods of organising knowledge and data about cities.
2. Familiarise students with various concepts of geo-spatial mapping and creation of databases.
3. Enable the use of digital maps and databases to take objective decisions in the design of cities.
4. Explore ways of extending access to information about cities to the world through web-based portals and applications.

Course Outcomes:

1. The students will learn to work with various geo-spatial platforms such as QGIS, Bhuvan, USGS, OSM. The course, through live exercises, enables students to source various types of data about their sites of inquiry. These include geological, hydrological, climatological, ethnographic, political, and cultural data. The students shall learn to design methods to map different kinds of data using primary, hands-on methods.
2. The course will also equip students with the necessary skills and knowledge to analyse the sourced data to infer urban design implications.
3. Since the course will source and operate on the same geography as the Sem 2 studio site, one of the key outcomes of the course will be a thorough reading of the studio site and its various vectors even before visiting the site. Hotspots for various urban aspects will be identified and used as entry points to begin site studies during the next

- semester's study trip.
4. Understand the scope and limitations of using data centric methods of research.

Rubrics:

USM's Kamla Raheja Vidyandhri Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task									
Assessment									
Grade	O++	O+	O	A	B	C	D	E	F
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / un-disputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map, drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understan ding of context	PO2: Urban propositioning	PO3: urban intervention s with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	The students will learn to work with various geospatial platforms such as QGIS, Bhuvan, USGS, OSM.	0	0	1	3	1
CO2	Enable students to design methods to map different vectors of urban living using primary as well as secondary data.	3	3	3	3	1
CO3	Equip students with the necessary skills and knowledge to analyse the sourced data to infer urban design implications.	2	2	2	3	0
CO4	Enable students to identify hotspots in the studio site to aid their site visits.	3	2	1	3	2

CO5	Understand the scope, limitations and ethical implications of using data centric methods of research	1	2	3	3	3
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1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

URBAN SOCIOLOGY

2018

Instructor: Sheema Fatima

COURSE INTENT: Understanding the sociological issues in a given political-economic situation, and develop a perspective the urbanization process.

COURSE METHOD: Lectures | Assignments

Urbanisation has emerged as one of the most dynamic processes in recent times all over the world; one can notice a mass movement to urban areas leading to diverse kind of issues which further gets aggravated in the given political-economy situation. The Course will begin with an introduction to the process of city as a social reality and as urbanisation is understood through different Schools of Thought and Perspectives. It will then primarily focus on the process of urbanization in the new political economy framework being experienced particularly in India and how the contestation of Space is taking place under globalization leading to inequalities and deprivation in various forms.

Module I: 06/07/2018 -What is Urban Sociology?

Module II: : 13/07/2018 - Theories of Urban Sociology

Module III: : 20/07/2018 - Capitalism and geographies of Urbanization

Module IV: : 27 /07/2018 -Cities in New Global Order

Module V: 03/08/2018- The emergence of City in the new political economy

Module VI: 10 /08/2018- Emerging inequalities in Urban life

Module VII: 17 /08/2018- Governance and participation

KRVIA MASTERS

COURSE STRUCTURE: 2018

VIDYANIDHI BHAVAN II, VIDYANIDHI MARG, JVPD SCHEME, MUMBAI 400049 | Email: admin@krvia.ac.in | Website: www.krvia.ac.in

Assignment 1: Review of the book/ Movie “Animal Farm” by George Orwell

Assignment 2: Each student individually or in a group of two has to lead a class room discussion from the given list of articles. It is encouraged that the students also bring in their own reference material on the given topic and do not necessarily limit it to the particular reading only. Two days prior to the presentation, the group leading the class room discussion will be required to email key questions for discussion to the whole class and submit the presentation to the faculty.

CO-PO mapped syllabi of Masters of Urban Design & Urban Conservation

Program Educational Objective (PEOs): M. Arch.

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

- To acquire the ability to critically understand the context
- To be able to recommend real and speculative urban propositions
- To be able to validate urban interventions with theoretical positions
- To be able to achieve technical competency for the respective streams
- To undertake research for production of new knowledge

Course: Compulsory Elective - 2

University Course Code: MUDE 102

Sem- 1

Year – 2018-19

Course Objectives:

- Introduce students to the discipline of urban sociology through classical theories and discussions on them.
- Introduce readings and theories of urban sociology in the Global South.
- Help students correlate these readings and theories with real-world situations around them, in Mumbai, as well as other Indian cities.

Course Outcomes:

- Students will learn to read aloud, discuss, and understand academic literature together, as a class, in a seminar-like class environment.
- Students will learn how theorization is done, through group-reading sessions and in-class discussions.
- Students will learn how to write short essays, based on their readings, with proper citations, referencing, and an academically sound writing style.

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	O	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodological organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understa nding of context	PO2: Urban propositi oning	PO3: urban interventi ons with theoretic al positions	PO4: Technical Compete ncy	PO5: Creation of new knowledg e
CO1	Students will learn to read aloud, discuss, and understand academic literature together, as a class, in a seminar-like class environment.	2	3	1	1	3
CO2	Students will learn how theorization is done, through group-reading sessions and in-class discussions.	3	3	3	1	3
CO3	Students will learn how to write short essays, based on their readings, with proper citations, referencing, and an academically sound writing style.	3	3	3	1	3

- 1 – Slight (Low) Correlation
- 2- Moderate (Medium) Correlation
- 3- Substantial (high) Correlation
- 0 – No Correlation



M.ARCH: SEM: I URBAN DESIGN

YEAR: 2018-2019: SUB/STUDIO: LANDSCAPE DESIGN AND URBAN ECOLOGY

FACULTY: _Shweta Wagh, Sandeep Menon

INTENT:

The module stresses on a holistic understanding of landscapes as productive systems which encompass the dynamic relation between ecology and society and space. The intent of the course is to understand basic concepts and theoretical discourses and explore relevant and contextual frameworks and approaches for the planning and design of urban and regional landscapes.

The course involves a theory and a studio component. Students will be introduced to basic concepts and theoretical discourses and frameworks, and methods of mapping and analysing landscapes. They will apply and test these approaches and methods in the context of a specific selected site/s in the city. They will also be introduced to relevant policy, legal and planning frameworks.

1: Introduction to site and environmental planning, relevance and related concepts

This course will facilitate a holistic systemic understanding of land and the site as a co-related system of physical elements which sustain life-forms, biological elements and ecological systems.

Lecture: Introduction to site and environmental planning, relevance and related concepts

Physical aspects: geology, geomorphology and geomorphic units, terrain, physiography, slope and aspect, natural drainage, hydrology,

Biological aspects: Ecology, habitats and ecosystems, species, biodiversity, succession, resilience, climax, ecological niches, pioneer and keystone species, ecotones etc.

Related Concepts: landscape types, landscape units, bio-geographic zones and bio-regions.

2: Mapping and representation of landscape, Ecological planning processes and methods

The way in which one conceptualizes and imagines inevitably conditions what is designed or built. Students will be introduced to various methods and techniques of landscape representation and mapping. The module will also introduce students to the fundamentals of site analysis and site planning which will enable a value based assessment of the site for its intrinsic characteristics to determine environmental sensitivity and development suitability.

Ecological mapping methods in Urban design: overlays- landcover and terrain analysis, transects and systems mapping

The Site planning process: physiography, relief, surface drainage and watershed analysis, slope analysis, grading and earthworks, soil and vegetation analysis, land use and land cover analysis

Values and criteria for landscape assessment: Ecological and environmental sensitivity, fragility, sustainability, significance, resources, degradation.

3: A Critical review of imaginations of nature that have shaped landscapes through history

A historical overview of perceptions of nature and landscape:

The course will look at imaginations and perceptions of nature, philosophical ideas and beliefs and how they have shaped human landscapes and the built environment through history. It will, by process of association categorise the different schools of thought and critique these ideas. Some of the categories are as follows.

Myth, Magic, Metaphor and Symbolism

Rationality, Power and Authoritarianism
Romanticism, Primitivism and Nationalism
Science, Environment and Sustainability
Capitalism, Consumerism and Commodification
Social Ecology, Culture and Community

An Environmental history of the growth and urban planning of Mumbai

As urbanization has expanded, the natural landscape in urban and peri-urban areas of the city has become fragmented into isolated pockets. This course will examine the historical patterns of urban development of the city since its colonial origins. The objective is to understand the role these factors have played in making the city a collage of fragmented and disputed territories with diverse claims to rights over resources, space and place.

4: An overview of Landscape and Environmental Conservation frameworks and policy:

This course will critically review the various criteria and frameworks used for identification and designation and protection of environmentally and culturally significant landscapes. It will look at aspects such as philosophical origin of these frameworks or legislations and also understand the scope, approaches, tools and methods used. A comparative analysis in combination with relevant case studies where these frameworks have been applied will help understand conflicts, limitations and changing paradigms.

A broad overview of Landscape conservation frameworks, policies and legislations

Landscape Conservation frameworks and policy: Sanctuaries, National parks, Eco-sensitive zones, Conservation reserves, Community reserves, Biosphere reserves, Cultural landscapes. Natural Heritage and Heritage biodiversity areas.

Environmental Legislation and Regulation in India: Forest Act, Wildlife protection act, Environmental protection act, Coastal Regulation Zone notification

PEDAGOGIC INTENT/COURSE OBJECTIVES:

Introduction to the field of Ecological Planning and to understand the basis for frameworks and legal categories for environment and landscape conservation.

- 1) To trace genealogies of the varied conceptions of nature through history which are instrumental in shaping frameworks for landscape conservation.
- 2) To provide students with a historical overview of environmental discourses and theoretical origins of the field of ecological planning
- 3) To understand the origins of the field of ecological planning: the theoretical framework, its principles, concepts methods and application.
- 4) To critically review policy and legal frameworks or categories employed for the conservation and management of landscapes.

COURSE METHODOLOGY:

The course comprises of a theory as well as a studio component. The course will be a lecture course interspersed with discussions on readings etc which will explore theoretical ideas and concepts and their genealogies. Case studies of ecological planning and the implications of various planning legislative and policy frameworks and their application will be discussed and analyzed. The studio component will involve a series of exercises and the application of the various analytical methods or tools which are introduced during the course.

- 1) Introduction to ideological origins , processes, methods and techniques of ecological mapping and analysis.
- 2) Introduction to genealogies of different conceptions of nature and the origin and evolution of concepts such as deep ecology, social ecology, sustainability etc.
- 3) Introduction to basic concepts in ecology. These include 1. Physical aspects such as geology, geomorphology and geomorphic units, terrain, physiography, slope and aspect, natural drainage and

hydrology. 2. Biological aspects such as ecology, habitats and ecosystems, species, biodiversity, succession, resilience, climax, ecological niches, pioneer and keystone species, ecotones etc. 3. Related Concepts such as landscape types, landscape units, bio-geographic zones and bio-regions.

4) Introduction to values and criteria used for landscape assessment and help them understand concepts such as ecological or environmental significance, sensitivity, fragility and vulnerability.

LEARNING OUTCOMES

- Students will understand the context, theoretical framework and methods of ecological planning.
- Students will learn to apply ecological methods to analyse contemporary urban and infrastructure planning development in their own contexts .
- Students will learn to critically evaluate frameworks or categories employed for the conservation and management of landscapes.

LECTURE SCHEDULE

(Term dates: 20/08/2018-22/12/2018)

Week 1, 3rd August

Lecture: Introduction to the Course

Studio: Introduction to Studio and sites, Reconnaissance site visits

Week 2, 10th August

Lecture: Ecology and Ecological Planning (lecture)

Week 3, 17th August

Lecture: Site planning Approaches and Methods

Week 4, 24th August

Studio: Review of preliminary documentation of sites, Finalise Site Boundaries
Procure Maps and Secondary Data

Week 5, 31st August

Lecture: Basic Concepts 1 (Physical Aspects)

Week 6, 7th September

Studio: Mapping Terrain and Hydrology

Week 7, 14th September

Lecture: Basic Concepts 2 (Biological Aspects)

Week 8, 21st September

Studio: Mapping Vegetation and Landcover

Week 9, 28th September

Studio: Working Studio and Review of Work (Historical Evolution, Land cover and Terrain analysis)

Week 10, 5th October

Studio: Working Studio and Review of Work (Evaluation and Landscape assessment)

Week 11, 12th October

Lecture: Imaginations of Nature

Week 12, 19th October

Studio: DP analysis and Policy review

Week 13, 16th November

Lecture: Planning History of Mumbai and Overview of Landscape frameworks and policy

Week 14, 23rd November

Prefinal review

Week 15, 30th November

Concluding Seminar

Week 16, 7th December

Final Submission and presentation

SELECTED READINGS**SOURCE: KRUIA LIBRARY.**

UNCOMMON GROUND, RETHINKING THE HUMAN PLACE IN NATURE, WILLIAM CRONON

DESIGN WITH NATURE, IAN MC HARG

SOAK, MUMBAI IN AN ESTUARY, ANURADHA MATHUR AND DILIP DÇUNHA

LANDSCAPE URBANISM, RAHUL MEHROTRA

RECOVERING LANDSCAPE, JAMES CORNER

LANDSCAPE DESIGN- A CULTURAL AND ARCHITECTURAL HISTORY, ELIZABETH BARLOW THOMAS

THE LANDSCAPE OF MAN- SHAPING THE ENVIRONMENT FROM HISTORY TO PRESENT DAY, GEOFFREY AND SUSAN JELICOE

VARIETIES OF ENVIRONMENTALISM, ESSAYS NORTH AND SOUTH, RAMACHANDRA GUHA AND JUAN MARTINEZ- ALIER

SUSTAINABLE URBAN PLANNING, ROBERT RIDDEL

SITE PLANNING, ANNE D BEER

THE ECOLOGY OF URBAN HABITATS, O.L. GILBERT

FUTURE NATURE, A VISION FOR CONSERVATION, W.M. ADAMS

THE ECOLOGY OF PLACE, PLANNING FOR ENVIRONMENT, ECONOMY AND COMMUNITY, TIMOTHY BEATLEY AND CHRISTY MANNING

DESIGN WITH NATURE, IAN MC HARG

SOAK, MUMBAI IN AN ESTUARY, ANURADHA MATHUR AND DILIP DÇUNHA

LANDSCAPE URBANISM, RAHUL MEHROTRA

LANDSCAPE DESIGN- A CULTURAL AND ARCHITECTURAL HISTORY, ELIZABETH BARLOW THOMAS

NATURE IN THE CITY- HARINI NAGENDRA

ENVIRONMENTALISM A GLOBAL HISTORY- RAMCHANDRA GUHA

RESTORATION OF NATURE- PRAKASH GOLE

CO-PO mapped syllabi of Masters in Urban Design 2018-2019– Landscape Design and Urban Ecology

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Landscape Design and Urban Ecology

University Course Code: MUDS 101

Sem- I

Year - First

KRVIA Course Code: UPL 644

Course Objectives

1. To trace genealogies of the varied conceptions of nature through history which are instrumental in shaping frameworks for landscape conservation.
2. To provide students with a historical overview of environmental discourses and theoretical origins of the field of ecological planning
3. To understand the origins of the field of ecological planning: the theoretical framework, its principles, concepts methods and application.
4. To critically review policy and legal frameworks or categories employed for the conservation and management of landscapes.

Course Outcomes (CO):

1. Students will understand the context, theoretical framework and methods of ecological planning.
2. Students will learn to apply ecological methods to analyse contemporary urban and infrastructure planning development in their own contexts .
3. Students will learn to critically evaluate frameworks or categories employed for the conservation and management of landscapes.

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	O	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Students will understand the context, theoretical framework and methods of ecological planning.	3	0	0	2	0
CO2	Students will learn to apply ecological methods to analyse contemporary urban and infrastructure planning development in their own contexts .	3	2	2	3	3
CO3	Students will learn to critically evaluate frameworks or categories employed for the conservation and management of landscapes.	3	1	2	3	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

KRVIA MASTERS | STUDIO II | 2019
 EXPLORING THE CITY'S QUINESSENTIAL CULTURAL TERRITORY
 HOUSING | HERITAGE | RE-ADAPTIVE

HISTORY
 PUBLIC REALM
 ECOLOGY

The urbanization along the river is the key response to the social, spiritual, religious and economic needs in cities in Indian context. The contemporary modes of planning paradigm often neglect or fail to represent the intrinsic and networked condition of Indian historic cities. The Hyderabad studio attempts to identify the forces that underpin such historic networked conditions that are being neglected in planning process and threatens this valuable relationship with the river in contemporary urban development process. The study shall encompass the aspects of public realm, activity pattern and ecological conditions. The initial part of study tour focuses on the locating cultural territories with respect to the three prong approach.

The study tour shall be based on: direct observation; interviews; historic narratives, historical maps; histories of specific urban public spaces or spatial types; and the relevant scholarly literature from sociology, environmental psychology, geography, anthropology, and architecture and urban planning. It is important to examine the existing body of work in the various disciplines and that can be reinterpreted to make it relevant to an understanding of the public realm, this quintessential feature of cultural territories as city life which deserves to be the object of direct scholarly and academic interest and exploration.

STUDIO: Urbanization and River Musi
 METHODOLOGY: Public Realm & Ecological Perspective of region
 OBJECTIVE: Study, Restore, Revive Series of Public Realm to mitigate water related inequity with respect to housing and heritage

METHOD

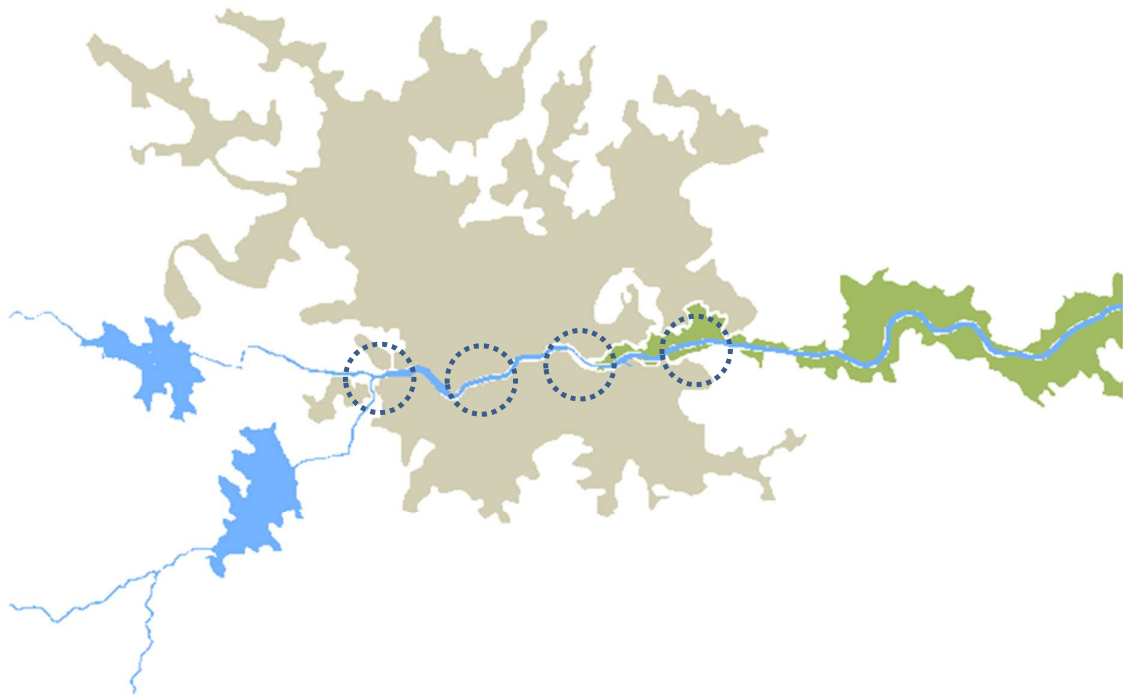
Through the process of **identifying** existing conditions of Public realm along the river edge (Locate the hard edge and the soft edge), **establishing** cultural territories of various scales of public realm through, housing, heritage, ritual , occupational, community, **activating** operational strategies for different scales of public realms/spaces through intervention of housing typologies and **adapting** heritage to restore and revive history.

STUDIO SCHEDULE

DATE	TASK	REMARK
2 ND JAN – 10 TH JAN	Study Tour, Onsite work & Documentation	

15/01/2019	Pin Up & Review of Site Work	
18/01/2019		
22/01/2019		
25/01/2019		
29/01/2019		
05/02/2019		
08/02/2019		
12/02/2019	KRVIA + UBC workshop	
15/02/2019	KRVIA + UBC workshop	
19/02/2019	KRVIA + UBC workshop	SHIVAJI JAYANTI
22/02/2019	KRVIA + UBC workshop	
26/02/2019		
05/03/2019		
08/03/2019		
12/03/2019		
15/03/2019		
19/03/2019		
22/03/2019		
26/03/2019		
29/03/2019		
05/04/2019		
09/04/2019		
12/04/2019		
16/04/2019		
19/04/2019		GOOD FRIDAY
23/04/2019		
26/04/2019	PIN UP & SUBMISSION	
27/04/2019	FINAL REVIEW	SATURDAY

STUDIO FACULTY:
 VISITING CRITIQUE:
 JURY:



Public Realm through, history, Institutions, Community, Religion, Occupation along the water edge

Boundary condition based on cultural territories and housing, heritage typologies

Issues, conflicts & strategies for activating the public realm, water connection and housing configuration

Demonstration of revive, restore and rejuvenate the cultural territories through design and re-adaptive process

IDENTIFY

ESTABLISH

ACTIVATE

ADAPT

CO-PO mapped syllabi of Masters in Urban Design Masters in Architectural & Urban Conservation 2018-2019 – Studio I

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context.
2. To be able to recommend real and speculative urban propositions.
3. To be able to validate urban interventions with theoretical positions.
4. To be able to achieve technical competency for the respective streams.
5. To undertake research for production of new knowledge.

Course: Studio I

University Course Code: MUDS102/S1A

Sem- 1

Year - First

KRVIA Course Code: UDCS61212.1/UDCS-666

Course Objectives:

1. Mapping & documentation of an urban settlement/ form.
2. Tracing the historical evolution of the urban settlement/ geography/ forms.
3. Encourage critical thinking of theories and methods taught in other lecture courses.

Course Outcomes:

1. Objectivity in data collection and representation.
2. Intensive mapping and data collection on contemporary urban and developmental challenges.
3. Engaging with a morphological survey / analysis through detailed studies of the urban realm.
4. Explore and innovate on alternative techniques of representation for these complex urban conditions.

USM's Kamlra Raheja Vidyandhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade									
Percentage									
Equivalent out of 10.0									
Area of Evaluation									
Site observations and ability to critically analyse the data gathered.	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Rigour of data collection/collation/ and curation, for each stage	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Understanding/ analysis or interpretation of readings/ maps/ drawings/ case studies	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resoucsceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable
	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the assigned/selected form/mode	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resoucsceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable
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Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resoucsceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable
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CO-PO Mapping:

CO	PO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Objectivity in data collection and representation.	3	0	0	2	3
CO2	Intensive mapping and data collection on contemporary urban and developmental challenges.	3	0	0	2	3
CO3	Engaging with a morphological survey / analysis through detailed studies of the urban realm.	3	0	0	2	3
CO4	Explore and innovate on alternative techniques of representation for these complex urban conditions.	3	0	0	3	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

M-ARCH	Urban Design / Urban Conservation
Subject name	Urban Info-graphics (Mumbai and Diagrams)
Subject Code	MUDC101
Marks	100
Hours per week	- 1hr 40min



Objectives

1. To explore methods of representing data or information on urban systems
2. The attempt of the studio is to understand certain aspects of the city through representation.

Methodology

The set of acquired data of Mumbai's urban systems will be shared and further used to formulate groups of students to read and represent the same. The systems such as water supply and management, sanitation and sewerage, solid waste management, open space network, public transport system, demographics, occupation, etc will be some of the categories the studio will delve in.

- 21/08/18 – Introduction to Infographics and division of the class into groups under identified urban systems
- 28/08/18 – Discussion of and presentation of materials in groups
- 04/09/18 - Discussion of and presentation of materials in groups
- 11/09/18 - Presentation of analysis (Review-1)
- 18/09/18 - Discussion of and presentation of materials in groups
- 25/09/18 - Presentation by faculty on various modes and techniques of representing data
- 02/10/18 - Data analysis and representing techniques
- 09/10/18 - Discussion of and presentation of materials in groups
- 16/10/18 - Presentation of analysis (Review-2)

- 16/10/18 - Presentation of analysis (Review-2)
- 23/10/18 - Discussions and presentation of works between groups
- 30/10/18 - Presentation on Data Analysis and Idea Pitching
- DIWALI BREAK
- 27/11/18 - Presentation of analysis (Review-2)
- 04/12/18 - Discussion followed by studio-working sessions
- 11/12/18 - Wprking-studio Sessions
- 18/12/18 - Final Submission

Learning Outcomes

The representation of systems through diagramming will help in understanding urban patterns /systems and creating provocative scenarios and . The methodology will require students to locate the applied services and its functionality as a means of introducing the city through another vantage point.

Reading list

1. Tufte, Richard, R. 12th Print, 2008. *Envisioning Information*. Cheshire, Connecticut: Graphics Press LLC.
2. Biswas, Suptendu, P. 2015. Assorted City. New Delhi: SAGE Publications India Pvt. Ltd.

Research Potential

The objective of representation should enable the possibility of formulating research questions and exploring the interface between urban studies and communication design.

Teaching and learning process

Mode of teaching	Mode of assessment	Marking Scheme		
Interactive Lectures Project based teaching Interactive Studios Guest lectures	Research/project based group assignments and Presentations	Theory	50	
		Sessional marks	internal	external
			50	
Credits		2		

CO-PO mapped syllabi of Masters in Urban Design and Architectural & Urban Conservation 2018-2019 – Elective 2

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
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5. To undertake research for production of new knowledge

Course: Elective 2 – Data Urbanism

University Course Code: MUDE 102

Sem- 1

Year - First

Course Objectives:

1. To explore methods of representing data or information on urban systems.
2. To develop techniques to represent data as a tool to communicate and pitch urban transformations.

Course Outcomes (CO):

1. To understand sourced demographic and economic data as diagrams or graphics situating urban conditions.
2. To be able to analyze and apply urban information and generate alternative scenarios for development.
3. To evaluate the urban environment through infographics.

USM's Kamla Raheja Vidyandhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	O	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
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Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
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CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5 : Creation of new knowledge
CO1	To understand sourced demographic and economic data as diagrams or graphics situating urban conditions.	3	0	0	0	0
CO2	To be able to analyze and apply urban information and generate alternative scenarios for development.	3	2	0	1	2
CO3	To evaluate the urban environment through infographics.	3	1	2	1	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

Semester II

Scheme of Teaching and Examinations

SCHEME OF TEACHING AND EXAMINATIONS MASTER OF ARCHITECTURE (M.ARCH) URBAN DESIGN SEM II

	EXAM CONDUCTED BY COLLEGE	TEACHING SCHEME			
	Semester II	Lecture	Studio	Total	Credits
MUDC201	Planning Techniques and Procedure-II	2		2	2
MUDC202	Transportation and Traffic for Urban Design	2		2	2
MUDE201	Choice Based Elective-1	2		2	2
MUDC203	Research Methodology	2	2	4	4
MUDE202	Choice Based Elective-2	2	2	4	4
MUDS201	Design Studio II		12		
		10	16	26	26

SCHEME OF EXAMINATION SEMESTER I					
		EXAM SCHEME			
		Theory (Paper)	Sessional Work		Credits
Semester II			Internal	External Viva	
MUDC201	Planning Techniques and Procedure-II	50	50		100
MUDC202	Transportation and Traffic for Urban Design	50	50		100
MUDE201	Choice Based Elective-1		100		100
MUDC203	Research Methodology		100		100
MUDE202	Choice Based Elective-2		100		100
MUDS201	Design Studio II		500		500
	TOTAL	100	900		1000

URBAN DESIGN

2018-19

Semester II

KRVIA: MASTERS; URBAN DESIGN: (

SEMESTER:II (CREDIT BASED SEMESTER SY

MONDAY		TUESDAY		WEDNESDAY	
8.00 – 11.00	<p>Cultural Landscape & Intangible Heritage (UC + UD)</p> <p>Credit:2 Lecture:2 (Interaction 3-00 Hrs)</p> <p>Shweta Wagh</p> <p>(Internal: 50)</p>	8.00 – 11.00	<p>Studio:II (UC) Structural & Condition Analysis</p> <p>Credit: 8 (Interaction- 3.0 Hrs)</p> <p>Anirudh Paul George Jacob Manoj Parmar</p> <p>(UD Internal /Jury: 400)</p>	8.00 – 11.00	(Working Studio & Special Lecture)
11-20 - 13.00	<p>Planning Technique & Procedure - II (UD)</p> <p>Credit: (Lecture: 1.00 Hrs STUDIO: - 1.00 Hrs)</p> <p>Priya Joshi</p> <p>(Internal: 50/ Exam: 50)</p>	11-20 - 13.00	<p>Transportation And Traffic For Urban Design (UD)</p> <p>Credit 2 (Interaction-1.70 Hrs)</p> <p>A. Ghangurde</p> <p>(Lecture:2) (Internal:50/ Exam: 50)</p>	11-20 - 13.00	
13.40-15.00	<p>Specifications & Bill of Quantities (UC)</p> <p>Credit: 2 (Lecture - 1.30 Hrs)</p> <p>Sanaeya V</p> <p>(Internal: 50/ Exam: 50)</p>	13.40-15.00	<p>Conservation Science (UC)</p> <p>Credit: 3 (Theory & Studio- 1.70Hrs)</p> <p>Vikram Pawar</p> <p>(Internal: 50/ Exam: 50)</p>	13.40-15.00	



E L E C T I V E S U B J E C T
C O M P U L S O R Y S U B J E C T

Semester II

Time-Table

2 0 1 8 - 1 9)

(STEM)

THURSDAY		FRIDAY		SATURDAY	
8.00 – 11.00	Structural Conservation (UC) Credit:2 (Lecture: 1.70 Hrs) Vikram Pawar (Internal: 50)	8.00 – 11.00	Studio:II (UC) Structural & Condition Analysis Credit: 8 (Interaction- 3.0 Hrs) Anirudh Paul George Jacob Manoj Parmar (UD Internal/ Jury: 400)	8.00 – 9.00	
				9.00– 11.00	Studio: II GIS Data Abhijit Ekbote
11-20 - 13.00	Research Method I (UD+UC) Credit: 3 (Lecture - 1.70 Hrs) Fatima Sheema Sarah George (Internal: 100) Credit: 4 (Lecture: 2.0 Hrs Studio: -2.0 Hrs)	11-20 - 13.00	World Heritage Inscription (UNESCO) (UC) (Lecture- 1.70 Hrs) Kamalika Bose Sanaeya V (Internal: 50)	11-20 - 13.00	Conservation Legislation (UC) Credit:2 (Lecture- 1.70 Hrs) Neha Parulaker Sneha K (Internal: 50/ Exam: 50)
13.40-15.00	Urban Design Theory II (UD) Anirudh Paul (Lecture - 1.30 Hrs) (Internal: 50)	13.40-15.00	Planning Theory I (UD) Hussein Indorwala (Lecture- 1.70 Hrs) (Internal: 50)		Urban Design Choice Elective I: Planning Theory I Choice Elective II: Urban Design Theory II

S (S E L E C T O N E)

C T S

**UNIVERSITY CODE:
MUDC 201 ; KRVIA
CODE: UDP 622.2**

COURSE NAME	PLANNING TECHNIQUES AND PROCEDURES	SEMESTER	1	CREDITS	LECTURE - 1.30, STUDIO - 1.30
FACULTY	MINAL YERRAMSHETTY,	SESSIONAL MARKS	50	SCHEME OF EXAMINATION	
TIME	8.00 - 11.00	TEACHING HOURS	3	TIME REQUIRED OUTSIDE OF	

WHAT

UNIVERSITY COURSE DESCRIPTION

PLANNING TECHNIQUES AND PROCEDURES

WHY

PEDAGOGIC INTENT

India is rapidly going through the process of urbanization with the expected 40-45% of population residing in urban areas. The intent of the course of First sem is to understand various ways the urban planning strategies are conducted at government level. The urban planning in India is based on development plans, regional plans, zonal plans, zoning regulations, urban byelaws and various policies set up by the state government. Various past planning approaches are studied and critiqued as most of the methods adopted in India are parochial and unable to meet pace with the rapidly changing dynamics of eco-socio-cultural aspects of the urban areas. To address this various changing facets of urban planning such as social, economic, cultural, legal, political, ecological, technological, aesthetic, geographical, and so forth, new tools and techniques need to be understood and incorporated to understand, analyse, and influence the above mentioned variety of forces and shaping of the built environment. This survey technique is then the focus of this semester. Collecting, collaborating both primary as well as secondary data and analysing the same to arrive at the strategic structural planning is the aim.

HOW

METHODOLOGY

The methodology applied to conduct this course is Lectures, Reading and debating in the class, presentation and assignments to gauge their understanding

WHEN

SCHEDULE

DAY	DATE	TEACHING CONTENT OF THE DAY	MARKING DISTRIBUTION	ASSIGNMENT/DELIVERABLE
MON	07-Jan-19	<i>STUDY TRIP</i>		survey technique employed at Jaipur study trip will be taken as case study.
	14-Jan-19	Aerial photography, remote sensing and GIS as planning tools Studio		
	21-Jan-19	Landuse, Transportation networks Studio	10%	
	28-Jan-19	Region and its impact on urban planning Studio		
	04-Feb-19	Survey techniques - demographic and socio-economic + Studio	10%	
	11-Feb-19	land value, densities, density patterns, locational attributes and forces of concentration, housing and landscape.	20%	
	18-Feb-19	studio - analysis and interpretation of primary data and secondary data	10%	
	25-Feb-19	development plan and nuances of its preparation		
	04-Mar-19	System approach to planning		
	11-Mar-19	Discussion/Presentation	50%	
	18-Mar-19	Discussion/Presentation		
	25-Mar-19	Student Presentation		

EVALUATION CRITERIA

The basis for judgement of assignments will be the progressive work being done by the student in the studio and the participation and discussions held in the class.

LEARNING OUTCOMES

At the end of the course the students would be in position to understand the planning processes involved at urban level. The various tools and techniques employed would be understood in detail so that they would be in position to analyze and represent the inferences derived from the analysis to arrive at the structural strategies for planning

READING LIST

1. Urban Pattern – Arthur B. Gallion 2.Design of Cities – Edmund Bacon 3.Site Planning – Kevin Lynch 4.Image of City – Kevin Lynch 5.Development Plan and Regional Plan Reports

CO-PO mapped syllabi of Masters in Urban Design 2018-19 – Planning Techniques and Procedures - II

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

- To acquire the ability to critically understand the context
- To be able to recommend real and speculative urban propositions
- To be able to validate urban interventions with theoretical positions
- To be able to achieve technical competency for the respective streams
- To undertake research for production of new knowledge

Course: Planning Techniques and Procedures II

University Course Code: MUDC 201

Sem- 2

Year - First

KRVIA Course Code: UDP 622.2

Course Objectives:

- Analyzing the application of planning techniques and approaches within different contexts and issues through planning case studies
- Introducing students to the survey research process to collect base information on which planning projections and goals can be set.
- Understanding role and application of Geographic Information Systems , remote sensing in base data collection and interpretation
- Overview of current official visions of planning globally and in India

Course Outcomes:

- Instilling the ability of the students to critically understand the process of creating planning as a technical profession.

- Making students aware the possibilities as well as limitations of different planning approaches through case studies.
- Ability of students to use an appropriate planning technique/approach based on a particular vision or goal.

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task									
Assessment Grade	Outstanding O	O+	Excellent A	Very Good B	Good C	Fair D	Satisfactory E	Fail F	
Percentage	90% and above	80%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%	
Equivalent out of 10.0	9.0	8.0	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0	
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / un-disputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation. for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Instilling the ability of the students to critically understand the process of creating planning as a technical profession.	3	0	3	0	1
CO2	Making students aware the possibilities as well as limitations of different planning approaches through case studies.	3	3	2	2	1
CO3	Ability of students to use an appropriate planning technique/approach based on a particular vision or goal.	2	3	3	3	2

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

Subject- Transportation and Traffic for Urban Design

Aim	The course aims to enable the students to internalise nuances of movement or transportation in cities. The intent is to allow the students to imbibe the knowledge so that it reflects in their approach to cities in both their academic (design studios and thesis) and professional trajectories.
Course Objectives	The objective of the course is to establish and understand urban infrastructure, as a key catalyst of the quality of life in cities.
Methodology/ Method of Instruction	Lectures + Discussions + Assignments
Learning Outcomes	The students will be able to: <ul style="list-style-type: none"> ● develop an understanding of transportation planning with specific focus to urban design ● identify opportunities to create public infrastructure which is more human oriented than vehicular dependent ● organise their responses to the studio questions in a more granular manner correlate qualitative concepts like quality of life with infrastructure

Sr.No.	Date	Topic to be covered
1	06/06/18	Introduction to Transportation planning and 4 stage transport process .
2	13/06/18	Introduction to Transportation planning and 4 stage transport process .
3	20/06/18	Transportation issues of developing countries and National Urban Transport policy
4	27/06/18	Hierarchy of Urban roads and road geometrics part 1
5	04/07/18	Types of junctions and road geometrics part 2
6	11/07/18	Parking and demand Management
7	18/07/18	Traffic Impact assessment
8	25/07/18	Traffic Management
9	01/08/18	Traffic signals and road markings and signs
11	08/08/18	Environmental Impact of traffic and road accidents
12	15/08/18	Environmental Impact of traffic and road accidents
13	22/08/18	Mass Rapid Transit Systems and introduction to BRTS , Metro, Mono rail
14	29/08/18	Mass Rapid Transit Systems and introduction to BRTS , Metro, Mono rail
15	05/09/18	Multi-Modal Transport Planning and Transit Oriented city planning
16	12/09/18	TOD

CO-PO mapped syllabi of Masters in Urban Design 2018-19– Transportation and Traffic for Urban Design

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorize and conceptualize ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Transportation & Traffic for Urban Design

University Course Code: MUDC 202

Sem- 2

Year - First

Course Objectives:

1. The objective of the course is to establish and understand urban infrastructure, as a key catalyst of the quality of life in cities.

Course Outcomes (CO):

1. Students will develop an understanding of transportation planning with specific focus to urban design
2. Students will identify opportunities to create public infrastructure which is more human oriented than vehicular dependent
3. Students will organise their responses to the studio questions in a more granular manner correlate qualitative concepts like quality of life with infrastructure

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture																														
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission																							
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CO-PO Mapping:

	CO	PO1: Critical underst anding of context	PO2: Urban proposi tioning	PO3: urban interventions with theoretical positions	PO4: Technic al Compet ency	PO5: Creatio n of new knowle dge
CO1	Students will develop an understanding of transportation planning with specific focus to urban design	2	1	2	3	0
CO2	Students will identify opportunities to create public infrastructure which is more human oriented than vehicular dependent	0	3	2	2	2
CO3	Students will organise their responses to the studio questions in a more granular manner correlate qualitative concepts like quality of life with infrastructure	2	1	3	2	1

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

Course:	Planning Theory I (2018-2019) Sem 2		
Duration:	54 periods of 50 minute duration		
Course Code	MUDE 201		
Faculty:	Faculty: Hussain Indorewala Teaching Assistant: -		
Pedagogic Intent:	This course aims to introduce students to the conceptual terrain of planning theory. It aims to trace the intellectual roots of planning theory and practice, to debate the social role of planning, to review the experience of planning processes across time and place, and to engage with some of its preoccupations in the contemporary period.		
Course content & Methodology:	Weekly lectures will be supplemented by structured discussions on the themes presented, enriched by course readings that will be provided to students.		
Reading List:			
Course Schedule:			
	Date	Description of schedule Sem 1	Internal Marking Scheme
1	11 th Jan '19	Part 1 : Arguments for and against planning	
2	18 th Jan	Visions and dreams : is there a 'good city'?	
3	25 th Jan	The 'common good' : assumed or contested?	
4	1 st Feb	Planning as process or planning as outcomes?	
5	8 th Feb	Part 2: Planning theory as Paradigms:	
6	15 th Feb	The city as a machine: the techno-functional paradigm	
7	22 nd Feb	The city as a body: Bureaucratic – rationalist paradigm	
8	1 st March	The city as an economic engine: Economic – developmentalist paradigm	
9	8 th March	The city as 'the people': Democratic -pluralist paradigm	
10	15 th march	The city as a new society: Autonomist – radical paradigm	
11	22 nd March	Case study: Mumbai's Development Plan	
12	29 th March		
13	5 th April		

CO-PO mapped syllabi of Masters in Architectural & Urban Conservation 2018-2019 – Planning Theory I (Sem 2)

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Planning Theory I

University Course Code:

Sem- 2

Year - First

KRVIA Course Code:

Course Objectives:

1. To introduce students to concepts and ideas that are constitutive of the field of planning
2. To trace the intellectual roots of planning theory and practice
3. To debate the social role of planning, to review the experience of planning processes across time and place, and to engage with some of its preoccupations in the contemporary period.

Course Outcomes (CO):

1. Students will be able to situate the concepts of planning historically and geographically.
2. Students will be able to consider and debate the social role of planning and the performance of planning in the contemporary period

Rubrics:

USM's Kamla Raheja Vidyandhri Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	O	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious, Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
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Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourcful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Students will be able to situate the concepts of planning historically and geographically.	3	1	2	2	3
CO2	Students will be able to consider and debate the social role of planning and the performance of planning in the contemporary period	3	1	3	2	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

MUDC 203	COURSE NAME	Research Methodology (Urban Design)		SEMESTER	II	CREDITS	4
	FACULTY	Sheema Fatima, Sarah George		SESSIONAL MARKS	100	SCHEME OF EXAMINATION	Internal
	TIME	Thursday : 11.20am to 1:00pm		TEACHING HOURS	2h	TIME REQUIRED OUTSIDE OF CLASS	-
UNIVERSITY COURSE DESCRIPTION	The course would expose the students to various structures of knowledge, cultural theory which would equip them into framing methodologies to structure and explore their area of concern. The course would have a dual purpose of not only assisting the students towards understanding the methods of research in exploring the urban field and articulating their concern but also to structure the synopsis of their thesis.						
PEDAGOGIC INTENT	The course is aimed at developing student's orientation towards critical reading, writing and research						
METHODOLOGY	The course is reading and writing intensive. The faculty will deliver lectures to help students understand components of a research design in order to help them develop critical reading, writing and research design skills.						
SCHEDULE	DAY	DATE	TEACHING CONTENT OF THE DAY	MARKING DISTRIBUTION	ASSIGNMENT/DELIVERABLE		
week 1	Thursday	17.01.2019	Introduction to the course Expectations & Outcomes		Writing a brief introduction on yourself		
week 2	Thursday	24.01.2019	Lecture: What is Research Methods?		In 750 words, write a note on the first semester studio		
week 3	Thursday	31.01.2019	Lecture: Research Paradigms - An Overview		Assignment: In groups of 3, make a presentation on a research paradigm assigned to you		
week 4	Thursday	07.02.2019	Presentation: Research Paradigms		Positivism, Structuralism, Post Structuralism ,		
week 5	Thursday	14.02.2019	Presentation: Research Paradigms				
week 6	Thursday	21.02.2019	Lecture: Writing an abstract/summary/review		Requires you to read and summarize a paper that has been assigned to you		
week 7	Thursday	28.02.2019	Lecture: Referencing		Reviewing an article		
week 8	Thursday	07.03.2019	Lecture: Data Collection and writing Field		Thesis Abstract		
week 9	Thursday	14.03.2019	Lecture: How to conduct interviews / Focus Group Discussions				
week 10	Thursday	21.03.2019	Holi				
week 11	Thursday	28.03.2019	Lecture: Writing an abstract/summary/review				
week 12	Thursday	04.04.2019	Lecture: Referencing and Plagiarism				
week 13	Thursday	11.04.2019	Lecture: Selecting a Topic for Research and Framing a Title				
week 14			Student Presentation: Tentative thesis topics				
EVALUATION CRITERIA	Individual/ Group based presentations and class assignments						
LEARNING OUTCOMES	<ol style="list-style-type: none"> Students will develop an understanding on how critical thinking and analysis translates into a research programme Choosing appropriate methods in the process of data collection At the end of the course, students will be able to conceptualize, formulate and summarize information that will apply to their own field of research 						
READING LIST	1. The Sage Handbook of Qualitative Research by Norman K. Denzin and Yvonna S. Lincoln						

CO-PO mapped syllabi of Masters in Urban Design 2018-2019– Research Methodology

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
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Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Research Methodology

University Course Code: MUDC203

Sem- 2

Year - First

Course Objectives:

1. To develop student's orientation towards critical reading and writing
2. To understand the process of doing research

Course Outcomes (CO):

1. Understanding the components of research
2. Developing critical reading, writing and research design skills

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade									
Percentage									
Equivalent out of 10.0									
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
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Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
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CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Understanding the components of research	3	2	1	0	3
CO2	Developing critical reading, writing and research design skills	3	3	2	0	1

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

UD Theory II - Mapping Contemporary Spatial Geographies

Faculty: Aneerudha Paul, Electives, Second Semester M.Arch, Urban Design and Conservation.
Marks:50

Course Objective:

The course introduces the student to a framework of ideas and notions drawn from the work of contemporary urban theorists like Manuel Castell, Saskia Sassen, David Harvey to understand patterns of global urbanization. These authors have done extensive explorations on the economic, social and spatial dimension of the cities effected by these processes. After understanding the propositions made by these various authors the intent would be to comprehend the spatial geography of the Mumbai region within or without these frameworks. To elaborate, there are certain framework which have been suggested by these authors which the students might use to explore certain phenomena in the metropolitan region, or the students might generate counter frameworks in response to those proposed by the authors, that can also be used.

The course would initial start with the introduction of some of the seminal writing on cities by people like Patrick Geddes, Peter Hall etc.

Teaching Method:

The students would be encouraged to read the writing of the authors mentioned above. It would be of importance that the writing be related to the lived experience of the students to themselves in the city. This would open a window for further exploration to the contemporary geography of urbanism in and around Mumbai city. The student would then further this exploration with the help of primary as well as secondary data to make his or her case.

Schedule:

MODULE 1	Introduction to cities	
		Readings
15.11.18	Introduction to Patrick Geddes	Patrick Geddes, The Evolution of Cities Saradha Dwivedi, Rahul Mehrotra, Bombay: The Cities Within
22.11.18	Discussion	5 marks
29.11.18	Introduction to Peter Hall	Peter Hall, Cities in Civilization Peter Hall, Cities of Tomorrow
6.12.18	Discussion	5 marks
MODULE 2	Some Contemporary Propositions	
13.12.18	Introduction to Manual Castell	Manuel Castell, Rise of a Networked Society Steve Graham, Simon Marvin, Splintering Urbanism

17.01.19	Discussion	5 marks
24.01.19	Introduction to Saskia Sassen	Saskia Sassen, Global Cities Global Network Linked Cities Globalization and its discontent
		Ayona Dutta and Abdul Shabam Mega Urbanization in the Global South Susan Parnell and Sophie Oldfield The Routledge Handbook on the Cities of Global South
31.01.19	Discussion	5 marks
7.02.19	Introduction to David Harvey	David Harvey, i) The Urban Experience, ii) The Rebel Cities Rajesh Bhattacharya and Kalyan Sanyal, i) Bypassing the Squalor: New Towns, Immaterial Labour and Exclusion in Post-colonial Urbanisation ii) Beyond the Factory: Globalisation, Informalisation of Production and the New Locations of Labour
14.02.19	Discussion	5 marks
MODULE 3	Explorations	
21.02.19	Proposition of exploration by individual students	
28.02.19	Formulation of the exploration	
7.03.19	Final Presentation	25 marks
14.03.19	Submission of Paper	

Learning outcomes:

- Students will be able to use the theories to frame critical arguments
- Will be able to formulate research objectives for their thesis

Submission:

The submission will be made in the form of a power point presentation that can be used to write a paper. The evaluation of this would be as per the requirements of the University of Mumbai.

CO-PO mapped syllabi of Masters in Urban Design 2018-2019 – Urban Design Theory 2

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
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Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for the production of new knowledge

Course: Urban Design Theory 2

University Course Code: MUDE 202

Sem- 2

Year - First

KRVIA Course Code: UDE 644

Course Objectives:

- To be able to read critical theory on urbanism and relate it to the contemporary spatial geography and transformation observed in Indian cities, especially Mumbai.
- To be able to apply the theory to observe contemporary urban phenomena in the city
- To be able to write and formulate a coherent argument on the above phenomenon.

Course Outcomes:

- Students can structure critical arguments regarding observed urban phenomena.
- They can formulate research objectives for their thesis, where they independently explore phenomena that have spatial implications in our cities.

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	Outstanding	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	<ul style="list-style-type: none"> Students can structure critical arguments regarding observed urban phenomena. 	3	3	3	1	3
CO2	<ul style="list-style-type: none"> They can formulate research objectives for their thesis, where they independently explore phenomena that have spatial implications in our cities. 	3	3	2	1	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation 0 – No Correlation

KRVIA MASTERS | STUDIO II | 2019
 EXPLORING THE CITY'S QUINESSENTIAL CULTURAL TERRITORY
 HOUSING | HERITAGE | RE-ADAPTIVE

HISTORY
 PUBLIC REALM
 ECOLOGY

The urbanization along the river is the key response to the social, spiritual, religious and economic needs in cities in Indian context. The contemporary modes of planning paradigm often neglect or fail to represent the intrinsic and networked condition of Indian historic cities. The Hyderabad studio attempts to identify the forces that underpin such historic networked conditions that are being neglected in planning process and threatens this valuable relationship with the river in contemporary urban development process. The study shall encompass the aspects of public realm, activity pattern and ecological conditions. The initial part of study tour focuses on the locating cultural territories with respect to the three prong approach.

The study tour shall be based on: direct observation; interviews; historic narratives, historical maps; histories of specific urban public spaces or spatial types; and the relevant scholarly literature from sociology, environmental psychology, geography, anthropology, and architecture and urban planning. It is important to examine the existing body of work in the various disciplines and that can be reinterpreted to make it relevant to an understanding of the public realm, this quintessential feature of cultural territories as city life which deserves to be the object of direct scholarly and academic interest and exploration.

STUDIO: Urbanization and River Musi
 METHODOLOGY: Public Realm & Ecological Perspective of region
 OBJECTIVE: Study, Restore, Revive Series of Public Realm to mitigate water related inequity with respect to housing and heritage

METHOD

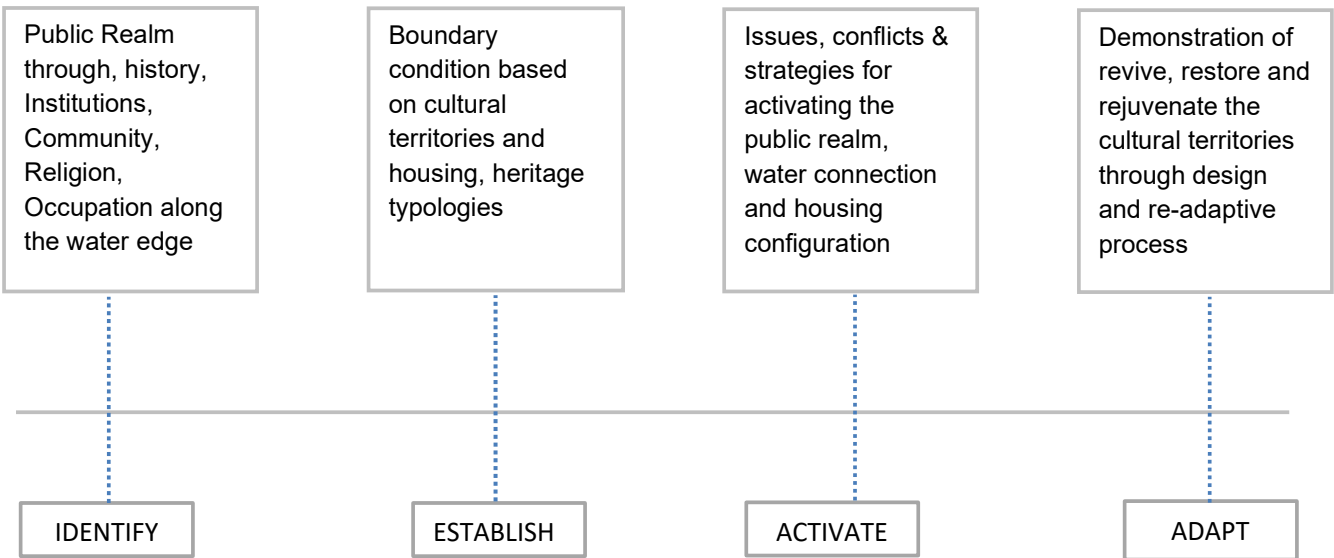
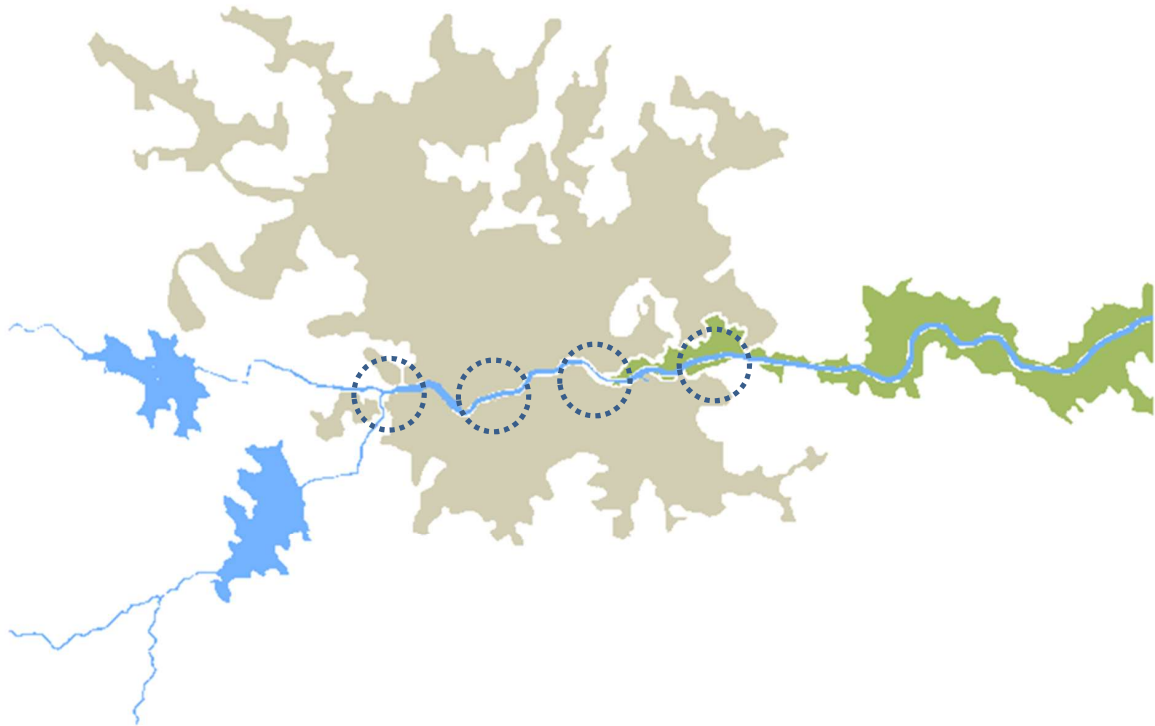
Through the process of **identifying** existing conditions of Public realm along the river edge (Locate the hard edge and the soft edge), **establishing** cultural territories of various scales of public realm through, housing, heritage, ritual , occupational, community, **activating** operational strategies for different scales of public realms/spaces through intervention of housing typologies and **adapting** heritage to restore and revive history.

STUDIO SCHEDULE

DATE	TASK	REMARK
2 ND JAN – 10 TH JAN	Study Tour, Onsite work & Documentation	

15/01/2019	Pin Up & Review of Site Work	
18/01/2019		
22/01/2019		
25/01/2019		
29/01/2019		
05/02/2019		
08/02/2019		
12/02/2019	KRVIA + UBC workshop	
15/02/2019	KRVIA + UBC workshop	
19/02/2019	KRVIA + UBC workshop	SHIVAJI JAYANTI
22/02/2019	KRVIA + UBC workshop	
26/02/2019		
05/03/2019		
08/03/2019		
12/03/2019		
15/03/2019		
19/03/2019		
22/03/2019		
26/03/2019		
29/03/2019		
05/04/2019		
09/04/2019		
12/04/2019		
16/04/2019		
19/04/2019		GOOD FRIDAY
23/04/2019		
26/04/2019	PIN UP & SUBMISSION	
27/04/2019	FINAL REVIEW	SATURDAY

STUDIO FACULTY:
VISITING CRITIQUE:
JURY:



CO-PO mapped syllabi of Masters in Architectural & Urban Conservation 2018-2019 – Design Studio 2 - Urban Design

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Studio II

University Course Code: MUDS202/S2A Sem- 2 Year - First

KRVIA Course Code: UDCS61212.2/UDCS-688

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course Objectives:

- Situation analysis at neighbourhood and /or precinct/ heritage zone level.
- Detail investigations, surveys, and analysis for condition assessment of resources.
- Engage with various stakeholders including agencies, communities etc. and learn to communicate with them.

Course Outcomes:

- Objectivity in data collection and assessment.
- Devise pragmatic and localized programmatic strategies on complex urban issues.
- The outcome is imagined as a practice orientation to the studio.
- Learn to formulate urban intervention possibilities through a process of continuous interaction with these stakeholders.

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:									
2018-19 Sem 2	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 500	Credits	Date of submission		
	Urban design 2		MUDS201	500		12			
Exercise: Title									
Exercise Note / Task									
Assessment									
Grade	O++	O+	O	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Site observations and ability to critically analyse the data gathered.	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for each	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of readings/ maps/ drawings/ case studies	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the assigned/selected form/ mode	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

COMapping

	CO	PO1: Critical understandi ng of context	PO2: Urban proposition ing	PO3: urban interventi ons with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledg e
CO 1	Objectivity in data collection and assessment.	3	2	2	1	2
CO 2	Devise pragmatic and localized programmatic strategies on complex urban issues.	2	2	2	2	2
CO 3	The outcome is imagined as a practice orientation to the studio.	2	1	3	2	2
CO 4	Learn to formulate urban intervention possibilities through a process of continuous interaction with these actors and agencies.	2	2	3	2	2

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

KRVIA

M.ARCH: SEM: II (URBAN DESIGN)

YEAR: 2018-2019: SUB/STUDIO: CULTURAL LANDSCAPES AND INTANGIBLE HERITAGE

FACULTY: _Shweta Wagh_

University Course Code: MUDE 201

COURSE INTENT:

The Course will attempt to trace the emergence and integration of frameworks for the conservation of cultural landscapes and intangible heritage in the conservation Discourse. Through a historical review of charters and frameworks it will attempt to provide a comprehensive overview of the different schools of thought related to conservation that emerged in different socio-political context with a comparison of Western and Eastern approaches. With the help of case studies it will attempt to understand how discourses and frameworks translate into praxis and influence strategies for the governance and management of heritage.

1: Examining the notion of Cultural landscape: Linking Nature and Culture

Landscape is a term with multiple meanings and connotations. In recent years the concept of cultural landscape has gained increasing significance in the realm of heritage conservation. This module will attempt to define and investigate the meaning and application of the term cultural landscape which is used with increasing frequency in the conservation field but with increasingly diverse meanings. It will trace the multiple meanings of the term in various fields, ranging from art and representation, geography and mapping, planning and heritage conservation, Post-modernism, representation and cultural theory. Originally conceptualised to bridge the nature- culture divide, the use of the term cultural landscape within heritage conservation community has broadened the scope of inventories, research activities, designations and management tools.

2: Intangible/ Living heritage: Notions of Community, Identity and Memory

In the Conservation Discourse Notions of 'value' which were earlier myopically based on historical, architectural, stylistic, or romantic considerations have gradually shifted from being monument or object-centric to include a myriad of other factors such as socio-cultural meanings and associations, living histories, and recently are tending towards the amorphous territory of intangible heritage or memory landscape. The practice of Conservation has also seen a shift from scientific, specialised and expert oriented approaches to community based and people centric approaches. This is evident from the inclusion of traditional and indigenous cultural values, emphasis on local and lived experience, identity and memory, associational meanings and values, traditional knowledge systems, methods involving public participation and community engagement and a documentation of oral histories, in recent charters and conventions which specifically deal with these issues. This module will specifically deal with the introduction and assimilation of these concepts within the realm of heritage conservation.

COURSE OBJECTIVES/PEDAGOGIC INTENT:

- To introduce the concepts of nature-culture linkages and intangible cultural heritage in the realm of conservation
- To introduce students to the various frameworks and categories that have emerged in the domains of natural and cultural conservation to address the issue of nature culture linkages.
- To redefine methods and approaches, broaden the scope of inventories, and tools for heritage management
- To introduce the students to practical applications of these framework through a series of case studies which will encompass a number of varied contexts
- To look at the various conventions and institutional bodies concerned with nature and cultural conservation, their overlapping domains, the limitations of existing policy frameworks, and problems with implementation.

COURSE METHODOLOGY

1. Lectures by the faculty to introduce definitions and categories and conceptual frameworks
2. Preparation of a timeline of the various conceptions, categories and policy frameworks related to nature-culture linkages in conversation which have emerged in the disciplines of nature and culture conservation.
3. Presentation of case studies by faculty and students: Various case studies will be analyzed and discussed to understand the issues and concerns regarding the protection and management of heritage sites.

LEARNING OUTCOMES

- Students will learn and comprehend concept of nature-culture linkages in conservation.
- Students will understand frameworks and categories concerned with nature-culture linkages
- Students will comprehend the scope and application of landscape frameworks in conservation

LECTURE SCHEDULE: (Term Dates: 2/1/2019- 30/04/219)		
WEEK	DATE	DESCRIPTION
1	7 th January	Introduction to the Course
2	14 th January	Landscape and Cultural Landscapes definitions and meanings
3	21 st January	Emergence of the Landscape framework in the realms of Nature and Culture conservation
4	28 th January	Intangible Cultural Heritage: Notions of community Identity and memory
5	4 th February	Integration of Frameworks for the Conservation of Intangible Cultural Heritage.
6	11 th February	The Governance and Management of Cultural Landscapes and Mixed Sites. Preparation of a timeline.
7	18 th February	Case Studies: Organically Evolved Landscapes
8	25 th February	Case Studies: Relic/Archaeological landscapes
9	4 th March	Case Studies: Associative Cultural Landscapes

10	11 th March	Case Studies: Productive/Agricultural Landscapes
11	18 th March	Case Studies: Indigenous/Traditional Landscapes
12	25 th March	Case Studies: Reserves/Protected Landscapes
13	1 st April	Case Studies: Historic Urban Landscapes/Settings
14	8 th April	Case Studies: Man-made or Designed Landscapes
15	15 th April	Concluding Seminar
16	22 nd April	Final Submission

READING LIST/

REFERENCES

-Ishizawa, Maya, Inaba, Nobuku and Yoshida Masahito, (eds.), Proceedings of the First Capacity Building Workshop on Nature-Culture Linkages in Heritage Conservation in Asia and the Pacific (CBWNCL 2016). Agricultural Landscapes, Journal of World Heritage Studies, University of Tsukuba, Japan.

World heritage Committee, 2008, -Operational guidelines for the implementation of the World heritage Convention, UNESCO World Heritage Centre

- Taylor, Ken, and Jane Lennon, eds. 2012. Managing Cultural Landscapes. London ; New York: Routledge.

- UNESCO WHC. 2005. Operational Guidelines for the Implementation of the World Heritage Convention. Unesco World Heritage Centre.

- Verschuuren, Bas, Robert Wild, Jeffrey Mcneely, and Gonzalo Oviedo, eds. 2010. Sacred Natural Sites: Conserving Nature and Culture. London ; Washington, D.C: Routledge.

- Glendinning, Miles. (2013) The Conservation movement, a history of architectural conservation. Routledge, Oxon and New York

- Chainani Shyam: Heritage and Environment-An Indian Diary

- Samuel, Raphael. (2008) in Graham Fairclough et al ed The Heritage Reader, Routledge

CO-PO mapped syllabi of Masters in Urban Design 2018-2019– Cultural Landscape and Intangible Heritage (UD)

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Cultural Landscape and Intangible Heritage

University Course Code: MUDE 201

Sem- II

Year - First

KRVIA Course Code: UDP 622.2

Course Objectives:

1. To introduce the concepts of nature-culture linkages and intangible cultural heritage in the realm of conservation
2. To introduce students to the various frameworks and categories that have emerged in the domains of natural and cultural conservation to address the issue of nature culture linkages.
3. To redefine methods and approaches, broaden the scope of inventories, and tools for heritage management
4. To introduce the students to practical applications of these framework through a series of case studies which will encompass a number of varied contexts
5. To look at the various conventions and institutional bodies concerned with nature and cultural conservation, their overlapping domains, the limitations of existing policy frameworks, and problems with implementation.

Course Outcomes (CO):

1. Students will learn and comprehend concept of nature-culture linkages in conservation.
2. Students will understand frameworks and categories concerned with nature-culture linkages
3. Students will comprehend the scope and application of landscape frameworks in conservation

Rubrics:

USM's Kamla Raheja Vidyavidyalaya Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task									
Assessment									
Grade	O++	O+	O	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation. for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
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Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Students will learn and comprehend concept of nature-culture linkages in conservation.	3	0	3	1	3
CO2	Students will understand frameworks and categories concerned with nature-culture linkages	3	1	3	3	2
CO3	Students will comprehend the scope and application of landscape frameworks in conservation	2	2	2	3	1

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

Semester III

Scheme of Teaching and Examinations

SCHEME OF TEACHING AND EXAMINATIONS MASTER OF ARCHITECTURE (M.ARCH) URBAN DESIGN SEM III

	EXAM CONDUCTED BY COLLEGE	TEACHING SCHEME			
	Semester III	Lecture	Studio	Total	Credits
MUDC301	Development Finance	2		2	2
MUDC302	Urban Bye-Laws and Planning Legislation	2		2	2
MUDE301	Choice Based Elective-1	2		2	2
MUDE302	Choice Based Elective-2	2	2	4	4
MUDS301	Urban Design III		12	12	12
MUDC303	Thesis I	2	2	4	4
		10	14	24	24

SCHEME OF EXAMINATION SEMESTER I					
		EXAM SCHEME			
		Theory (Paper)	Sessional Work		Credits
	Semester III		Internal	External Viva	
MUDC301	Development Finance	50	50		100
MUDC302	Urban Bye-Laws and Planning Legislation	50	50		100
MUDE301	Choice Based Elective-1		100		100
MUDE302	Choice Based Elective-2		100		100
MUDS301	Urban Design III		450		450
MUDC303	Thesis I		150		150
	TOTAL	100	900		1000

2018-19

Semester III

MONDAY		TUESDAY		WEDNESDAY	
8.00 – 11.00	Studio:III (UD + UC) Credit: 12 (Interaction - 3.0 Hrs) Aneerudh Paul Manoj Parmar Jasmine Saluja Kamalika Bose Kirtida Unwala Shweta Wagh (UD/UC Internal/ Jury: 450 / 600)	8.00 – 10.00	Planning Theory II (UD) (Lecture- 2.00 Hrs) Hussein Indorwala (Internal: 50)	8.00 – 15.00	Studio:III (UD+UC) (Site Visit/ Special Lecture)
		10.00 – 11.00	Studio:III (UD+UC) (Working Studio- 1.00Hrs)		
11-20 - 13.00	Studio:III (UD+UC) (Working Studio - 1.00Hrs)	11-20 - 13.00	ENVIRONMENT & ECOLOGY - II (UD) Credit 2.0 Hrs (Lecture - 1.70Hrs) Sandeep Menon (Internal:50/ Part of Studio III)		
13.20-15.00	Studio:II (UD+UC) (Working Studio - 1.00Hrs)	13.20-15.00	Urban Byelaws & Planning Legislation (UD + UC) Credit: 2 (Lecture- 1.70 Hrs) Priya Joshi Malini Rajalaxmi (Internal:50/ Exam 50)		

E L E C T I V E S U B J E C T S
 C O M P U L S O R Y S U B J E

Semester III

Time-Table

1 8 - 1 9)
STEM)

THURSDAY		FRIDAY		SATURDAY	
8.00 – 11.00	Studio:III (UD+ UC) Credit: 12 (Interaction- 3.0 Hrs) Aneerudh Paul Manoj Parmar Jasmine Saluja Kamalika Bose Kirtida Unwala Shweta Wagh (UD/UC Internal / Jury: 450 / 600)	8.00 – 10.00	Conservation Approaches (UC) J.Bhiwandiwala CREDIT: 3 (Theory & Studio- 1.70Hrs) (Internal: 100)	8.00 – 10.00	Heritage Management (UC) CREDIT: 3 (Lecture - 1.70 Hrs) Neha Parulekar (Internal: 50/ Exam: 50)
		10.00 – 11.00	Studio III Site Visit, Special Lecture (UD+UC) (1.00Hrs)	10.00 – 11.00	
11-20 - 13.00	Studio:III (UD+UC) (Working Studio-1.70Hrs)	11-20 - 13.00	Housing Seminar (UD) Credit 2.0 Hrs (Lecture - 1.70Hrs) Namrata Kapoor (Internal:100)	11-20 - 13.00	Development Finance & Conservation Economics (UD + UC) Credit: 2 / 3 (Lecture- 2.0 Hrs) Vishal Patil Vikram Pawar (Internal:50/ Exam 50)
13.20-15.00	Thesis I (UD + UC) Credit:4 (Lecture- 1.70 Hrs, Studio- 1.70 Hrs) Sheema Fatima Ginella George Sarah George (Internal:150)	13.20-15.00	Studio:III (UD+UC) (Working Studio-1.70Hrs)		Energy efficiency & Thermohygric Behaviour of heritage structures (UC) CREDIT: 2 (Lecture - 1.70 Hrs) Sneha Kishnadwala (Internal: 50)

(S E L E C T O N E)
C T S

Urban Design
 Choice Elective I: Planning Theory II
 Choice Elective II: Housing Seminar

Session	Date	Urban Finance & Conservation Economics	
Session 1	16th June 2018	Orientation	23rd June
	Eid	Orientation towards the course; empathy for growth-development finance v/s project finance.	
		Profit motive v/s no profit, no loss and utilising the funds for betterment of quality life.	
		Equity & Debt; Funds	
		Mega scale intervention and its finance v/s minimal interventions and role of microfinance	
		Small is beautiful (E F Schumacher) in 1960's and growing realisation of ecological cost.	
		Value of built heritage- conversion to economic value- possibilities & scope	
Session 2	23rd June	Fundamental concepts and principles of investing and financing real estate projects	
		Live examples for lack of financial planning	
		Live Case - Residual model	
Session 3	30th June	Concepts of Finance & Property development in public and private sector	
	De-ferred to 6th	Financial concepts - Time value for money	
		Relation between PV, FV & r	
		Live Case - DCF model	
Session 4	07th July	Understanding macro-economic fundamentals that assist in creation of apt environment	
		Case Study - Shendra Bidkin	
		Key learnings	
Session 5	14th July	Socio-economic development and conservation	
		Recap on live example of financial planning	

		Personal finance examples - parallels for finance planning	
		Questioning the larger economic motive- Socio- economic emphasis	
Session 6	19th July	Project Financing and Sources of Funding	
Session 7	28th July	Appreciate micro-level details of real estate projects	
		Practical / Computer Lab session (Part completed)	
Session 8	4th Aug	Internal Assessment- Mid term	Submission of mid term grading
		- Complete practical guided session	
		Introduction to exercise	
Session 9	11th Aug	History of Urbanization and Economic Development- I	6th July 2018
Session 10	18th Aug	History of Urbanization and Economic Development- II	
Session 11	25th Aug	Feasibility studies and report of Heritage projects	
		Repairs and Upgrade to old housing societies-Vikas's Parsi Colony Housing Trust- rental and Corpus, Jimmy's projects; Extension to heritage -Kirtida's work on School (Trust, school fees); Repairs and renovation- Trust (donors) Juma Masjid; Bohra Bazaar project; Mac Donald; Zara Finance Model	
Session 12	1st Sep	Capital & operational costs of heritage conservation	
		Methods of reducing operational cost. Capital v/s operational cost rationale	
		Electricity, Water, Air conditioning, Maintenance bills, Maintenance staff, Depreciation value, Inflation,; Daylighting, optimising on air conditioning energy cost; alternate energy solutions, Water saving and recycling devices; Retrofits to building envelope;	
Session 13	8th Sep	Real Estate Development & economic tools for conservation- Steered Discussion	

		Policies, FSI, TDR & other incentives- whether they work; change of use; gentrification; City commons; philanthropists; Trusts; IMC;	
Session 14	15th Sep	Ganesh Festival Break	
Session 15	22nd Sep	Fund sourcing and raising: Lecture & Steered Discussion	
		World Bank Criteria; Govt. Schemes, Grants, Micro-finance, Tax rebates, Institution fund mechanisms, Trusts, CSR's, Funding partners and financial institutions, enterprises, equity, public holdings, companies, Crowd Funding	
Session 16	29th Sep	Internal Assessment- Final	Final Grade on Studio project

EVALUATION CRITERIA: Engagement with the subject; Participation in the assignments; Promptness of submissions; working; final financial report

LEARNING OUTCOMES: Student is expected to fathom the complexity of conservation economics, acknowledge the importance of the subject. She/ He is also expected to gather fundamental skills of making a financial plan required for conservation of urban heritage and gain confidence in developing an economically viable & sustainable conservation proposals.

READING LIST: Select photocopy/ PDF's given to the students as reference.

Excerpts from; Bairoch Paul Tr by Christopher Bruider: Cities & Economic Development- From the Dawn of History to the Present

CO-PO mapped syllabi of master's in urban design 2018-2019 –

Development Finance

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Development Finance

University Course Code: MUDC 301

Sem- 3

Year - Second

KRVIA Course Code: UDF 722

Course Objectives:

- Understanding the conceptual framework of the critical area of the development finance and its centrality for sustainable urban development.
- The course covers multiple national and global innovations undertaken in recent times to finance urban development in general and specific urban sectors .

Course Outcomes:

- Students shall acquire an understanding of the role finance plays in urban development.
- Students will be equipped with assessing various financial innovations deployed in recent times for urban development and municipal service delivery.

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	Outstanding	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map, drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Students shall acquire an understanding of the role finance plays in urban development.	3	2	2	1	2
CO2	Students will be equipped with assessing various financial innovations deployed in recent times for urban development and municipal service delivery.	3	3	3	1	2

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

URBAN BYE-LAWS AND LEGISLATION
SEMESTER III 2018-19

Aim: 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.

Course Objectives:

- Theoretically understanding of governance
- Understanding urban bye-laws and legislations as instruments for managing urban growth and development and perceiving policies as a driving force for development
- Planning policies as a tool to strike a balance between conservation and development
- Thorough understanding of urban policy and governance systems, institutions in India post 1947 to present
- Major urban laws, Acts, policies and programs
- General understanding of major urban sectors
- Recent concepts like City Liveability Index and current programs like SCM

Learning Outcomes:

Students will develop a thorough understanding of governance, urban policy, planning legislations and institutions operative in India and how different sectors work. They will also develop an understanding of new concepts like City Liveability Index, SDGs, the importance of gender and other variables in informing urban legislations in India with a comparative global understanding

Date	SESSIONS	TOPICS TO BE COVERED
19/06/2018	Session 1	Introduction to the course Deciphering terms like policy, law/act, legislation and rules.
26/06/2018	Session 2	Development policies pre and post-independence and change of perspective – Development Planning/ Conservation planning pre and post independence
03/07/2018	Session 3	5 year planning in India Changing role of the central government in decision making - a case of Niti Aayog Structure of developmental institutes in India - national, state and local 74 th Amendment Devolution of policies at the grass root level - tools and methods (JNNURM, PMAY etc) INTRODUCTION OF ASSIGNMENT -1 &2

10/07/2018	Session 4	Conservation Planning –Role of central/state governments Organizations involved, their responsibilities and functions 74 th Amendment
17/07/2018	Session 5	Environmental protection and development - the trade-offs and policies to safeguard environment. Attempts by Central Government to protect the environment Environmental Acts & policies, CRZ
24/07/2018	Session 6	The 3 aspects of urban development - housing, infrastructure and environment; their inter-linkage and trade-offs National and State Housing policies- Urban scenario with housing as focus and its policy formulation
31/07/2018	Session7	Policies aimed at housing development - Rent Control Act , its impact, Slum policies, their impact, Land acquisition act, SEZ
07/08/2018	Session 8	Urban housing Regulatory Bodies& Policy Structure Redevelopment guidelines 33(5), 33(7), 33(9) Co-operative societies
21/08/2018	Session 9	SPECIAL LECTURE – Land acquisition
28/08/2018	Session 10	Redevelopment policies – TDR and RERA (SPECIAL LECTURE)
04/09/2018	Session11	Role of Development Control Rules - Discussion on the Mumbai DP
25/09/2018	Session 12	Heritage Regulation, Impact of TDR on heritage - Case study- Mumbai and other cities
	Session 13 & 14	PRESENTATION BY STUDENTS

SPECIAL LECTURE:

Ar. Abhijit Barse, Vice President (Construction Finance) at Anand Rathi Group is an Architect and Housing Planner (CEPT) and would speak on RERA and changed dynamics of real estate especially in the context of Mumbai.

Ar. Sharad Mahajan, to speak on SRA in Mumbai and housing for the poor (To be confirmed)

CASE STUDIES: Mumbai

SITE VISIT: Nil

PRESENTATION: Students presentation as part of Assignment 2

CO-PO mapped syllabi of Masters in Urban Design 2018-2019 – Urban Byelaws and Planning Legislation

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorize and conceptualize ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

- To acquire the ability to critically understand the context
- To be able to recommend real and speculative urban propositions
- To be able to validate urban interventions with theoretical positions
- To be able to achieve technical competency for the respective streams
- To undertake research for production of new knowledge

Course: Urban Byelaws and Planning Legislation

University Course Code: MUDC302

Sem- 3

Year - Second

KRVIA Course Code: UBL-722

Course Objectives:

- Theoretically understanding of governance
- To develop a thorough understanding of urban policy and governance systems, institutions in India post 1947 to present.
- Major urban laws, Acts, policies and programs
- General understanding of major urban sectors and recent concepts like City Liveability Index and current programs like SCM

Course Outcomes:

- Students will develop a thorough understanding of governance, urban policy, planning legislations and institutions operative in India and how different sectors work.
- They will develop an understanding of new concepts like City Liveability Index, SDGs, the importance of gender and other variables in informing urban legislations in India with a comparative global understanding.
- The students will be equipped with an understanding of implications of different urban Acts, reforms and policies in design and practice.

USM's Kamla Raheja Vidyamidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task									
Assessment Grade	O++	O+	O	A	B	C	D	E	F
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

	CO	PO1: Critical underst anding of context	PO2: Urban proposi tioning	PO3: urban interve ntions with theoreti cal positio ns	PO4: Techni cal Compe tency	PO5: Creatio n of new knowle dge
CO1	Students will develop a thorough understanding of governance, urban policy, planning legislations and institutions operative in India and how different sectors work.	3	2	2	3	0
CO2	They will develop an understanding of new concepts like City Liveability Index, SDGs, the importance of gender and other variables in informing urban legislations in India with a comparative global understanding.	3	2	3	3	0
CO3	The students will be equipped with an understanding of implications of different urban Acts, reforms and policies in design and practice.	3	2	3	2	1

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

MUDE 301	COURSE NAME	PLANNING THEORY II	SEMESTER	2018-19 : Semester 3	CREDITS	
	FACULTY	Hussain Indorewala	SESSIONAL MARKS		SCHEME OF EXAMINATION	
	TIME		TEACHING HOURS		TIME REQUIRED OUTSIDE OF CLASS	
UNIVERSITY COURSE DESCRIPTION						
PEDAGOGIC INTENT	The Planning Theory course of the previous semester intended to introduced <i>planning as a political process</i> , through what we called ‘planning paradigms.’ This semester intends to <i>trace the social and political roots of planning</i> , by engaging with John Friedmann’s framework of four ‘planning traditions’: (1) policy analysis, (2) social reform, (3) social learning and (4) social mobilization. The course, constructed as the intellectual history of the discipline, will provide the theoretical resources to help students assess its social role, purpose and performance.					
METHODOLOGY	The course will involve a collective reading of the book <i>Planning in the Public Domain</i> – and class discussions on the key themes and ideas brought forth by the book					
SCHEDULE	DAY	DATE	TEACHING CONTENT OF THE DAY	MARKING DISTRIBUTION	ASSIGNMENT/DELIVERABLE	
week 1	Tuesday	6 th June	Introduction			
week 2	Tuesday	13 th June	Understanding the Terrain of Planning Theory p1			
week 3	Tuesday	20 th June	Understanding the Terrain of Planning Theory p2			
week 4	Tuesday	27 th June	Planning Theory: A brief history 1			
week 5	Tuesday	4 th July	Planning Theory: A brief history 2			
week 6	Tuesday	11 th July	Social Reform planning			
week 7	Tuesday	18 th July	Planning as Policy Analysis			
Week 8	Tuesday	25 th July	Planning as Social Learning			
Week 9	Tuesday	1 st August	Social Mobilization planning			
Week 10	Tuesday	8 th August	The Crisis of Planning			
Week 11	Tuesday	22 nd August	Reinventing Planning			
Week 12	Tuesday	29 th August	Radical Planning			
Week 13	Tuesday	5 th September	Conclusion: The Way Forward			
EVALUATION CRITERIA	The evaluation criteria will be a combination of attendance (25%), participation in class (25%) and one or two writing tasks (50%) given during the semester					
LEARNING OUTCOMES	(1) Provide theoretical resources to planning practice (2) Acquaintance with the literature on planning theory (3) Acquaintance with some key themes and debates in planning					
READING LIST	Friedmann, John. <i>Planning in the Public Domain: From Knowledge to Action</i> . Princeton Univ Pr, 1987.					

**CO-PO mapped syllabi of Masters in Architectural & Urban Conservation 2018-2019
– Planning Theory II (Sem 3)**

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Planning Theory II

University Course Code:

Sem- 3

Year - Second

KRVIA Course Code:

Course Objectives:

1. To explore the discipline of planning through the framework of ‘planning paradigms’
2. To explore the intellectual history of planning
3. To provide the theoretical resources to help students assess the social role, purpose and performance of planning

Course Outcomes (CO):

1. Students will be able to compare the various approaches or paradigms of planning.
2. Students will be able to critically reflect on the practice of urban planning in their own cities
3. Students will be able to undertake a comparative analysis of plans in their own city historically

Rubrics:

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture										
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission			
Exercise: Title										
Exercise Note / Task Assessment										
Grade	O++	O+	O	Outstanding	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation										
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable	
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable	
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable	
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map, drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable	
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable	

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Students will be able to compare the various approaches or paradigms of planning.	3	1	3	2	2
CO2	Students will be able to critically reflect on the practice of urban planning in their own cities	2	1	3	2	2
CO3	Students will be able to undertake a comparative analysis of plans in their own city historically	2	2	3	2	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

Masters in Urban Design

Programme outcomes:

- To acquire the ability to critically understand the context
- To be able to recommend real and speculative urban propositions
- To be able to validate urban interventions with theoretical positions
- To be able to achieve technical competency for the respective streams
- To undertake research for production of new knowledge

Course: Housing Seminar

University Course Code: MUDE 302

Sem- 3

Year - Second

KRVIA Course Code: UDE 722.2

Course Objectives:

- Understanding the 'Housing Question' in India through the supply side of low income housing that was produced in the country since Independence
- Situating the production of housing, particularly low-income housing, in the larger socio-political and economic context of the country at different time periods since independence
- To speculate on the future trajectories in housing in the age of digitalization

Course Outcomes:

- A historical perspective of housing delivery in India and the role of the State, the NGOs and the private sector in the production of housing.
- An understanding of the nature of the built-form produced and its relationship with the institutional and ideological structures of the actors involved.

Course Schedule:

LECT	DATE	TEACHING CONTENT
1	8-06-18	Introduction to all the actors involved in Housing Delivery
2	15-06-18	Historical Perspective of the State in housing
3	22-06-18	Role of State Institutions like HUDCO/MHADA and NHB
4	29-06-18	Housing Delivery through State led schemes like JNNURM , IAY
5	6-07-18	State led large scale housing projects like Dharavi Redevelopment , Tsunami Rehabilitation projects
6	13-07-18	Historical Perspective of the role of NGOs in housing
7	20-07-18	Role of NGO organizations/Multi-lateral Institutions like SPARC, World Bank
8	27-07-18	NGO led projects like Markandeya , Yerwada as models for housing delivery
9	3-08-18	Understanding the shift from a closed economy to a liberalized economy in housing
10	10-08-18	Housing delivery through public-private partnerships
11	17-08-18	Understanding the Slum Rehabilitation Authority model of low income housing delivery
12	24-08-18	Affordable housing produced by private developers
13	31-08-18	Future Trajectories of Housing in the age of digitalization
14	07-09-18	Working Session for Final Submission
15	14-09-18	Working Session for Final Submission
16	21-09-18	Final Presentation of assignment

CO-PO mapped syllabi of Masters in Urban Design 2018-2019 – Housing Seminar

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
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2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Housing Seminar

University Course Code: MUDE 302

Sem- 4

Year - Second

KRVIA Course Code: UDE 722.2

Course Objectives:

- Understanding the 'Housing Question' in India through the supply side of low income housing that was produced in the country since Independence
- Situating the production of housing, particularly low-income housing , in the larger socio-political and economic context of the country at different time periods since independence
- To speculate on the future trajectories in housing in the age of digitalization

Course Outcomes:

- A historical perspective of housing delivery in India and the role of the State , the NGOs and the private sector in the production of housing.
- An understanding of the nature of the built-form produced and its relationship with the institutional and ideological structures of the actors involved.

USM's Kamla Raheja Vidyaniidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	Outstanding O	Excellent A	Very Good B	Good C	Fair D	Satisfactory E	Fail F
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
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Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
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Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

	CO	PO1: Critical understandi ng of context	PO2: Urban propositioni ng	PO3: urban interventio ns with theoretical positions	PO4: Technical Competen cy	PO5: Creation of new knowled ge
CO 1	A historical perspective of housing delivery in India and the role of the State , the NGOs and the private sector in the production of housing.	3	1	0	2	1
CO 2	An understandi ng of the nature of the built- form produced and its relationship with the institutional and ideological structures of the actors involved.	3	1	1	2	1

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

KRVIA MASTERS STUDIO III: 2019

RESILIENCE BY DESIGN:

FACULTY: Anirudha Pual | Manoj Parmar | Shweta Wagh | Vikram Pawar | Jasmine Saluja | Aditya Sawant

OBJECTIVE: Establish the deeper understanding of the vulnerabilities of our city as on now and for future and develop strategies & design ideas towards enhancement the resilience.

INTRODUCTION

Quality of life is an idea that is often being discussed in various studies as a response to many issues and complexities that have recently emerged within our cities in the process of transformation. Along with that, the recent literature and research defines that the quality of life is also connected with the question of vulnerability and resilience. The studio attempts to address the issues related to altered eco-system & topography, high density and high value developments in the flood – prone areas and several other factors that had contributed to the fragility of life within the city as well as coastal communities. To bridge the gap among the several affecting parameters, the holistic examination of the vulnerabilities is required in terms of physical, social and ecological equities.

The city of Mumbai, as region at large, is vulnerable to projected climate change related disaster within given social, economic and environmental stressed conditions coupled with population growth, informal housing, and unfair land distribution, deterioration of historic city, its economic sustenance & planning mechanism. In particular, the environmental issues and quality of urban living are the most recent debate that engages the planning and philosophical dimensions as methodological questions within academia.

The question of resilience and sustainability is about addressing the urban system, where KRVIA Masters Studio III is embarked on the development of the framework as a vision for comprehensive understanding of environmental / social / economic equities with help of following areas of case studies & reseach:

- Assess the peri-urban areas with fragile eco-system and existing communities | Ecology & Urban Resilience
- Assess the condition of informality and key challenges towards vulnerabilities (environment & ecology, community & livelihood, network & mobility) | Informality & Urban Resilience
- Stimulate the communities and stake holders in historic inner city | History & Urban Resilience

The studio shall be divided into three modules:

PERI-URBAN STUDIO | Anirudha Paul & Aditya Sawant

Site: Vasai Virar Region | Ecology, Communities, Livelihood

INFORMALITY STUDIO | Manoj Parmar & Jasmine Saluja

Gazdhar Bandh Slums | Ecology, Informality, Communities

HISTORIC CORE STUDIO | Shweta Wagh & Vikram Pawar

Kalbadevi & Bora Bazaar | History, Communities & Sustenance

STUDIO SCHEDULE

DATES	STUDIO DELIVERABLES	REMARKS
4 TH June 2019	Introduction	Presentation by faculties
7 TH June 2019	Site Visits	
9 TH June 2019	Site Visits	SUNDAY
11 TH June 2019	Data Collection and Maps	
14 TH June 2019		
18 TH June 2019		
21 TH June 2019		
25 TH June 2019		
28 TH June 2019	Jury I	Compilation of Site work
2 ND July 2019		
5 TH July 2019		
9 TH July 2019		
12 TH July 2019		
16 TH July 2019	Jury II	Analysis & Findings I
19 TH July 2019		
23 TH July 2019		
26 TH July 2019		
30 TH July 2019	Jury III	Analysis & Findings II
2 ND August 2019	KRVIA+SPAB WORKSHOP	
6 TH August 2019	KRVIA+SPAB WORKSHOP	
9 TH August 2019	KRVIA+SPAB WORKSHOP	
13 TH August 2019		

20 TH August 2019		
23 RD August 2019		
27 TH August 2019		
30 TH August 2019	Jury IV	Site Strategies & Structure Plan
3 RD September 2019		
6 TH September 2019		
10 TH September 2019	Jury V	Structure Plan & Design Interventions
13 TH September 2019		
17 TH September 2019		
20 TH September 2019		
21 ST September 2019	FINAL JURY	SATURDAY
10 TH October 2019	SUBMISSION & ARCHIVE	

CO-PO mapped syllabi of Masters in Architectural & Urban Conservation 2018-2019 – Design Studio - Urban Design 3

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpreted learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Studio II

University Course Code: MUDES202/S2A Sem- 3 Year - Second

KRVIA Course Code: UDCS61212.2/UDCS-688

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course Objectives:

- Analysis of urban functions at meso, macro and micro scales.
- Documentation, investigation, condition analysis, survey methods & tools for context and setting inquiry.
- Methodological procedure for urban and architectural realizations.
- The studio should simultaneously explore and innovate on techniques of representation for these complex urban conditions.

Course Outcomes:

- Objectivity in data collection, analysis and recommendations.
- Identify broad urban design principles, based on any current/relevant urban issues.
- Ability to frame site appropriate urban design programs and projects.
- Proficiency in the technique of place making for the given project.

COMapping

	CO	PO1: Critical understandi ng of context	PO2: Urban proposition ing	PO3: urban interventi ons with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledg e
CO 1	Objectivity in data collection and assessment.	3	2	2	2	2
CO 2	Identify broad urban design principles, based on any current/ relevant urban	2	2	2	3	3
CO 3	Ability to frame site appropriate urban design programs and projects.	2	1	3	2	2
CO 4	Proficiency in the technique of place making for the given project.	2	2	3	2	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

MUDC 303	COURSE NAME	<i>Thesis 1</i>		SEMESTER	<i>III</i>	CREDITS	4
	FACULTY	<i>Sheema Fatima, Ginella George, Sarah George</i>		SESSIONAL MARKS	150	SCHEME OF EXAMINATION	Internal
	TIME	<i>Thursday : 1:20pm to 3:00pm</i>		TEACHING HOURS	2	TIME REQUIRED OUTSIDE OF CLASS	-
UNIVERSITY COURSE DESCRIPTION	The Thesis is divided into two parts, one that is initiated in semester 3 and the second demonstrated in semester 4. In the first part, students are required to put forth theoretical arguments and raise critical issues, which would help them create a method to observe, map, analyze and frame possibilities of interventions or initiate transformation in a particular urban condition. The first part of the thesis would assist the students to simultaneously be able to create the structure of the argument of the thesis that would culminate in the form of a written report.						
PEDAGOGIC INTENT	The Thesis I course will equip students to develop and enhance their individual thesis proposals. The outcome of this process will enable the students in the structuring of their final thesis volumes in the following semester, a part requirement for the completion of their Masters in Urban Design and Urban Conservation.						
METHODOLOGY	The course focuses on the key aspects of research, which includes - framing the research question, critical appraisal and reviewing of literature, collection of data as well as identification of methodological approaches required for data analysis. This will be done through lectures and group discussions. The students are expected to make submissions on the different stages of their thesis proposal.						
SCHEDULE	DAY	DATE	TEACHING CONTENT OF THE DAY	MARKING DISTRIBUTION	ASSIGNMENT/DELIVERABLE		
week 1	Thursday	14/06/2018	Introduction to Framework & Schedule.				
week 2	Thursday	21/06/2018	I: Outline of a thesis proposal Structure,				
week 3	Thursday	28/06/2018	II: Problem/Issue				
week 4	Thursday	05/07/2018	Student presentations : Thesis topic ideas				
week 5	Thursday	12/07/2018	Student presentations : Thesis topic ideas				
week 6	Thursday	19/07/2018	III: Methodology/Method Themes of Knowledge				
week 7	Thursday	26/07/2018	III: Methodology/Method Themes of Knowledge				
week 8	Thursday	2/8/2018	IVa: Abstract				
week 9	Thursday	9/8/2018	IVb: Introduction				
week 10	Thursday	16/8/2018	IVc: Thesis Statement				
week 11	Thursday	23/8/2018	V: Literature Review				
week 12	Thursday	30/8/2018	VI: Writing style & Referencing				
week 13	Thursday	6/9/2018	Guest Lecture				
week 14	Thursday	13/9/2018	Ganesh Chaturthi Holiday				
week 15	Thursday	20/9/2018	Final Submissions				
week 16	Thursday	27/9/2018	Final Submissions				
EVALUATION CRITERIA							
LEARNING OUTCOMES	<i>The constant dialogue through writing on research question allows oneself to navigate through the critical space of concrete and abstract.</i>						
READING LIST							

CO-PO mapped syllabi of Masters in Urban Design 2018-2019– Thesis-1

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Thesis-1

University Course Code: MUDC 303

Sem- 3

Year - Second

Course Objectives:

1. To equip students to develop and enhance their individual thesis proposals
2. To enable students structure their final thesis volumes

Course Outcomes (CO):

1. Creating methods to observe, map, analyze and frame possibilities of interventions or initiate transformation in a particular urban condition
2. Writing a thesis proposal

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task									
Assessment Grade	O++	O+	O	A	B	C	D	E	F
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map, drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Creating methods to observe, map, analyze and frame possibilities of interventions or initiate transformation in a particular urban condition	3	3	2	1	3
CO2	Writing a thesis proposal	3	3	2	1	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation

KRVIA

M.ARCH: SEM: III (URBAN DESIGN/CONSERVATION)

YEAR: 2018-2019: SUB/STUDIO: Environment and Ecology II

ELECTIVE NAME: **Living in Flux: Landscapes as Transformative Responses to Climate Change**

FACULTY: Sandeep B Menon

INTENT:

The course intends to stress on a holistic understanding of urban landscapes as complex ecological systems which encompass the dynamic relation between ecology and space. The course intends to provide exposure to the students regarding the latest studies, theory and research outcomes of urban ecology and climate resilience. The students are encouraged to understand advanced concepts and explore relevant contextual frameworks and approaches for the planning and design of urban landscapes.

Course Objectives:

- To introduce students to the concept of 'Anthropocene' as a global epoch.
- To introduce students to advanced principles, concepts and methods of understanding urban ecology.
- To enable students to understand and discern the natural processes in the environment and their implications in the design and planning.
- To demonstrate landscape approaches in the planning, design and management of the greenfield and brownfield sites through the help of socially and environmentally appropriate case studies of projects.

METHODOLOGY:

The course builds upon the knowledge base shared with the students in their first semester course "Landscape Design, Urban Ecology and Natural Heritage". The current course is designed as a series of lectures, relevant case study presentations, documentary screenings and site visits. The course is divided into three modules:

The first module '**Theory and Methods**' looks at introducing the students to advanced concepts of Ecological Urbanism and Urban Ecology.

The second module titled '**Flux: Urban Metabolism + Flows**' deals with the theory pertaining to energy, material + water, information and human movement and the physical manifestations of these processes and the possibilities of ensuring resilience in the urban structure and design as a response to the constant flux.

The third module titled '**Fabrics: Landscape + Urban Structure**' deal with the topics pertaining to the urban form, urban environment, resilience, urban ecological structure and the interrelations with the various components which constitute the whole. The various topics are explained using a synthesis of ecological planning and design methods in which urban design is seen as an ecological intervention. All the lectures are based on relevant case studies which help in demonstrating the relevance of understanding the methods of intervention.

While reviewing the case studies in each of the generic categories, factors such as intention, approaches, methods, processes, variants, environmental, spatial and temporal issues, conceptual position of the designers; which determine the specificity of design response will be explored.

LECTURE SCHEDULE

- | | |
|--------------|--|
| 04-06 | Introduction to the course and bridge with Sem 1 Course content
Lecture on evolution and advanced concepts of ecological urbanism |
| 11-06 | Anthropocene: A Global Epoch
Urban transformations through time and future imaginations |
| 18-06 | The idea of Infinite Growth as an indicator of 'Development'
Documentary Screening: 'There's No Tomorrow' by Dermot O'Conner |

- 25-06** Ecological Footprint and Bio capacity
Introduction of Group Exercise 1: Mapping the Urban Safari:
Everyday Biodiversity
- 02-07** Urban Transportation Part 1 and other urban ‘acupuncture’:
Curitiba
- 09-07** Urban Transportation Part 2: Ped-Bike Transport-Non-motorised
modes
Walkability & Pedestrian Friendly Cities: London
Bicycle Friendly Cities: Copenhagen
- 16-07** Climate Change and Urban Resilience: A case study of Singapore
- 23-07** The Story of Food: Local/Introduced Crops and its implications,
Globalised Food supply Chains, Sustainable Agricultural
Practices, consumption patterns
- 30-07** Reclaiming The Public Space: Chulalongkorn University
Centenary Park and Precinct Upgradation, Bangkok
- 06-08** Urban Regeneration through Place Making: Highline Park, New
York
- 13-08** Eco-restoration of a Derelict Landscape: Fresh Kills, Staten island
LandFill Reclamation
- 20-08** Multifunctional Landscapes: Greenways as Ecological Corridors
Concluding session

SELECTED READINGS:

- Mostafavi.M, Doherty.G (2010). ‘Ecological Urbanism’. Massachusetts: Harvard University, Graduate School of Design
- Huber,J (2010). ‘Low Impact Development: A design Manual for Urban Areas’. University of Arkansas
- Hough, M (2004). ‘Cities and Natural Processes’. Routledge
- Spirn, A.W. (1985). ‘The Granite Garden-Urban Nature and Human Design’. New York: Basic Books
- Orff, Kate (2016). ‘Toward an Urban Ecology: SCAPE / Landscape Architecture’: Monacelli Press
- Lynch, Kevin (1990). “The Waste of Place” in Places: Vol. 6: No. 2. 1990.
- Berger, Alan. “Urban Land is a Natural Thing to Waste” in Harvard Design Magazine Fall 2005/Winter 2006.
- Stuart, Tristram, (2009)“Waste: Uncovering the Global Food Scandal”. London: Penguin. p. 220-231.
- Timothy Beatley.(2004) “Planning for Sustainability in European Cities. The Sustainable Urban Development Reader”. London and New York: Routledge.
- Sennet, Richard.(2007) “The Open City” in Burdett, Ricky, ed. The Endless City. Phaidon

Cervero, Robert. (2004) "Transit and the Metropolis: Finding Harmony" in Wheeler, Stephen M. and Timothy Beatley. *The Sustainable Urban Development Reader*. London and New York: Routledge.

Rankin, Tom.(2015) "Rome Works: An Architect Explores the World's Most Resilient City. Peruzzi Press

Rifkin, Jeremy.(2010) 'The Third Industrial Revolution'. *Available on-line

Brown, Lester. (2008) 'Plan B 3.0: Mobilizing to Save Civilization'. W.W. Norton & Co.

Sassen, Saskia.(2007) "Seeing Like a City" in Burdett, Ricky, ed. *The Endless City*. Phaidon.

CO-PO mapped syllabi of Masters in Architectural & Urban Conservation 2018-19 – Environment & Ecology

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Environment & Ecology

University Course Code: ---

Sem-3

Year - Second

KRVIA Course Code: USOM 724

Course Objectives:

- To introduce students to the concept of ‘Anthropocene’ as a global epoch and the cutting-edge research on ‘Planetary Boundaries’.
- To introduce advanced principles, concepts, and methods of understanding urban ecology and Infrastructural urbanism.
- To enable students to understand and discern the natural processes in the environment and their implications in the design and planning.
- To demonstrate landscape approaches in the planning, design and management of greenfield and brownfield interventions through the help of socially and environmentally appropriate case studies of projects.

Course Outcomes:

- To understand advanced concepts of Ecological Urbanism and Urban Infrastructural Histories.
- Proposing the physical manifestations of these processes and the possibilities of ensuring resilience in the urban structure and design as a response.
- To enable the structure and the interrelations with the various components which constitute the whole, using a synthesis of ecological planning and design methods in which urban design is emphasized as mode for ecological intervention.

USM's Kamla Raheja Vidyandhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	O	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete, & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / un-disputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourcseful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	To understand advanced concepts of Ecological Urbanism and Urban Infrastructural Histories.	3	2	1	3	3
CO2	Proposing the physical manifestations of these processes and the possibilities of ensuring resilience in the urban structure and design as a response.	3	3	3	3	3
CO3	To enable the structure and the interrelations with the various components which constitute the whole, using a synthesis of ecological planning and design methods in which urban design is emphasized as mode for ecological intervention.	3	3	3	3	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

Semester IV

Scheme of Teaching and Examinations

SCHEME OF TEACHING AND EXAMINATIONS

MASTER OF ARCHITECTURE (M.ARCH) URBAN DESIGN SEM IV

EXAM CONDUCTED BY COLLEGE		TEACHING SCHEME			
Semester III		Lecture	Studio	Total	Credits
MUDE401	Choice Based Elective-1		4	4	4
MUDE402	Choice Based Elective-2		4	4	4
MUDS401	Thesis I		16	16	16
				24	24

SCHEME OF EXAMINATION SEMESTER I					
		EXAM SCHEME			
		Theory (Paper)	Sessional Work		
Semester III			Internal	External Viva	Credits
MUDE401	Choice Based Elective-1		50		50
MUDE402	Choice Based Elective-2		100		100
MUDS401	Thesis I		300	550	850
	TOTAL		450	550	1000

2018-19

Semester IV

KRVIA: MASTERS; URBAN DESIGN+ URBAN C

SEMESTER:IV (CREDIT BASED SEMESTER SY

MONDAY		TUESDAY		WEDNESDAY	
8.00 – 11.00	RESEARCH METHOD (Thesis Writing) (UD + UC) Credit: 12 (Interaction - 3.0 Hrs) Ginella George Seema Fatima Sarah George (UD 300/550 – UC 350/650)	8.00 – 10.00	Environment, Politics & Action (UD + UC) (Lecture- 2.00 Hrs) Shweta Wagh (Internal: 50)	MID WEEK BREAK	
		10.00 – 11.00	EPA (UD+UC) (Working Studio - 1.00Hrs)		
11-20 - 13.00	Thesis II (UD+ UC) Credit 16.0 Hrs (Studio - 1.70Hrs) (UD 300/550 – UC 350/650)	11-20 - 13.00	Housing Delivery (UD+UC) (Lecture- 1.70 Hrs) Aditya Sawant (Internal: 50)		
13.20-15.00	Thesis II (UD+UC) (Working Studio - 1.00Hrs)	13.20-15.00	Thesis II (UD+UC) (Working Studio - 1.00Hrs)		



E L E C T I V E S U B J E C T



C O M P U L S O R Y S U B J

Semester IV

Time-Table

CONSERVATION: (2 0 1 8 - 1 9)
STEM)

THURSDAY		FRIDAY		SATURDAY	
8.00 – 11.00	Thesis II (UD+UC) (Review Studio - 3.00Hrs)	8.00 – 10.00	Spatial Politics of Land (UD + UC) (Lecture- 2.00 Hrs) Hussein Indorwala (Internal: 50)	8.00 – 1300	Special Lecture Site Visits Juries
		10.00 – 11.00	SPL (UD+UC) (Working Studio -1.00Hrs)		
11-20 - 13.00	Thesis II (UD+ UC) Credit 16.0 Hrs (Studio - 1.70Hrs) (UD 300/550 - UC 350/650)	11-20 - 13.00	Modern Heritage (UD + UC) (Lecture- 1.70 Hrs) Sanaeya Vandrewala (Internal: 50)		
13.20-15.00	Thesis II (UD+UC) (Working Studio - 1.00Hrs)	13.20-15.00	Thesis II (UD+UC) (Working Studio -1.00Hrs)	Urban Design & Urban Conservation Choice Elective I: Spatial Politics of Land Choice Elective II: Environment, Politics & Action	

S (S E L E C T T W O)
E C T S

KRVIA Masters: 2018-2019

SEMESTER: IV

THESIS II

Objectives

The final semester of the Masters in Urban Design is a reflective process focused on the learnings of the first three semesters. A professional is expected to have a position with regards to Urbanism and is encouraged to reflect, critique and validate one's position through background research, theoretical readings and academic paper writing that forms the backbone to structure the argument of the thesis. All of this is undertaken in the earlier semester and the fourth semester is envisaged as an opportunity to validate the inferences in a specific context. In this semester the proposition is based on one's own readings of the site and context to recommend either real or speculative interventions

Teaching Method

The trajectory for the Masters in Urban Conservation is similar to that of Urban Design and is conducted simultaneously without any distinction between streams.

This method facilitates a broader perspective for the professional. One may choose to focus on larger philosophical or theoretical issues relevant to the Indian context. This is demonstrated through the identification of an appropriate scale of an individual building or to a larger precinct.

Learning Outcomes

The learning outcome is a culmination of the masters program, which is geared towards young practitioners that have the ability to critically understand the context, to recommend real and speculative propositions, validated through theoretical positions.

SCHEDULE OF PROGRESS & JURIES

DATE	GROUP	REMARK	GRADES-300
NOVEMBER			
12/11/2018			
15/11/2018	I, III & V, II & IV	Thesis Argument & Site Introduction-I	25
19/11/2018			
22/11/2018			
26/11/2018			
29/11/2018			
DECEMBER			
03/12/2018	I, III & V, II & IV	Thesis Argument, Site Introduction, Chapterization -II	25
06/12/2018			

10/12/2018			
13/12/2018			
17/12/2018			
20/12/2018	I, III & V, II & IV	Site Analysis and Issues - I	25
24/12/2018			
27/12/2018			
31/12/2018			
JANUARY			
03/01/2019	I, III & V, II & IV	Site Analysis, Issues and Chapter I - II	25
07/01/2019			
10/01/2019			
14/01/2019			
17/01/2019			
21/01/2019	Individual Groups	Issues and Strategies- I	50
24/01/2019			
28/01/2019			
31/01/2019	Individual Groups	Issues, Strategies & Volume Progress- II	50
FEBRUARY			
04/02/2019			
07/02/2019			
11/02/2019			
14/02/2019			
18/02/2019	Exhibition Jury	Demonstration & Draft Volume- I	50
21/02/2019			
25/02/2019			
28/02/2019			
MARCH			
04/03/2019			
07/03/2019			
11/03/2019	Exhibition Jury	Demonstration & Draft Volume- II	50
14/03/2019			
18/03/2019			
21/03/2019			
25/03/2019			
28/03/2019			
APRIL			
01/04/2019			
04/04/2019		First cut-off external jury	
08/04/2019			
11/04/2019			
15/04/2019		Final cut-off external jury	
18/04/2019			
22/04/2019			
25/04/2019			
29/04/2019			

CO-PO mapped syllabi of Masters in Urban Design and Architectural & Urban Conservation 2018-2019 – Thesis II

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorize and conceptualize ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

- To acquire the ability to critically understand the context
- To be able to recommend real and speculative urban propositions
- To be able to validate urban interventions with theoretical positions
- To be able to achieve technical competency for the respective streams
- To undertake research for production of new knowledge

Course: Thesis II

University Course Code: MUDS401 / S4A
Second

Sem- 4

Year -

KRVIA Course Code: UDCT 71616 / UDCT 71515

Course Objectives:

- To have a position with regards to Urbanism
- To encourage reflecting, critique and validate one's position through background research, theoretical readings and academic paper writing.
- To structure the argument of the thesis.
- To validate the inferences in a specific context

Course Outcomes:

- Ability to critically review and build on existing literature for production of new knowledge.
- They will develop propositions based on one's own readings of the site and context to recommend either real or speculative interventions.
- The students will be equipped with an ability to validate urban propositions through theoretical positions.
- Equip the students to propose instruments for implementation in the urban realm.
- Develop methods and skills for appropriate representation using innovative techniques.

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	O	Excellent A	Very Good B	Good C	Fair D	Satisfactory E	Fail F
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Site observations and ability to critically analyse the data gathered.	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak. Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for each stage	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of readings/ maps/ drawings/ case studies	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good. Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the assigned/selected form/mode	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good ability.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping

	CO	PO1: Critical understa nding of context	PO2: Urban propositi oning	PO3: urban interventio ns with theoretical positions	PO4: Technica l Compete ncy	PO5: Creation of new knowledg e
CO1	Ability to critically review and build on existing literature for production of new knowledge.	1	1	2	2	3
CO2	They will develop propositions based on one's own readings of the site and context to recommend either real or speculative interventions.	3	3	3	2	2
CO3	The students will be equipped with an ability to validate urban propositions through theoretical positions.	3	2	2	2	2
CO4	Equip the students to propose instruments for implementation in the urban realm.	2	3	3	3	2
CO5	Develop methods and skills for appropriate representation using innovative techniques.	1	2	3	3	2

1 – Slight (Low) Correlation
Correlation

2- Moderate (Medium) Correlation
0 – No Correlation

3- Substantial (high)

Course:	Spatial Politics of Land (Elective) 2018-19 Sem 4 (UD)		
Duration:	54 periods of 50 minute duration		
Course Code	MUDE 401		
Faculty:	Faculty: Hussain Indorewala Teaching Assistant: -		
Pedagogic Intent:	This course will introduce students to the central role played by land in urban development, economics, planning, policy and politics. Some of the questions it will raise are: What is land? How and why does it become valuable? What are ways in which it can be held, managed and controlled? How does it affect affordability and quality of housing? What does land ownership have to do with social inequality? What is the relationship between land ownership and use and the formation of informal settlements? Should slum dwellers be given property rights? Is it good policy to promote land and house ownership? Should land use be planned or determined by the market? Can land policy promote spatial justice? How have other cities have resolved their land conundrum?		
Course content & Methodology:	Weekly lectures will be supplemented by structured discussions on the themes presented, enriched by course readings that will be provided to students.		
Course Schedule:			
	Date	Description of schedule Sem 1	Internal Marking Scheme
1	1 st Dec '18	Introduction: Land in the Urban Economy	
2	8 th Dec	What is land? How is it valued?	
3	15 th Dec	Land Ownership and Economic Rent	
4	5 th Jan '19	Property as Theft / Property as Freedom	
5	12 th Jan	Land Economics and Housing	
6	19 th Jan	Financialization of Land and Housing	
7	26 th Jan	Land and Inequality	
8	2 nd Feb	Land Occupation and Settlement	
9	9 th Feb	Land and Development Rights	
10	16 th Feb	Planning and Regulatory Controls	
11	23 rd Feb	Alternatives to Private Property	
12	29 th Feb	Rethinking Land Policy	

CO-PO mapped syllabi of Masters in Architectural & Urban Conservation 2018-2019 – Spatial Politics of Land (Sem 4)

Program Educational Objective (PEOs): M.Arch

1. To nurture individuals towards a better understanding of learning methods to bridge the gap between theory and practice.
2. To respond to innovative needs and environmental and social responsibility one should acquire excellence in the field both in academics and practice.
3. To develop a culture of enquiry, a thirst to excel in a particular field of knowledge and an ability to have a broad-minded perspective on things.
4. To nurture an intent to unlearn and reinterpret learning through the change, proceeding towards efficient and sustainable responses to varied situations.
5. To be able to assimilate knowledge to enhance spatial exploration, theorise and conceptualise ideas with respect to time and space. To define boundaries and regions to collaborate and meet the constantly changing world of climate change.

Programme outcomes:

1. To acquire the ability to critically understand the context
2. To be able to recommend real and speculative urban propositions
3. To be able to validate urban interventions with theoretical positions
4. To be able to achieve technical competency for the respective streams
5. To undertake research for production of new knowledge

Course: Spatial Politics of Land

University Course Code:

Sem- 4

Year - Second

KRVIA Course Code:

Course Objectives:

1. To introduce land as a theoretical concept in political economy, sociology and development studies
2. To introduce students to the role assigned to land in planning and policy
3. To analyze the land question in contemporary development practice

Course Outcomes (CO):

1. Students will learn to conceptualize land theoretically as conceived in the social sciences and economics
2. Student will learn to analyze land as a theoretical problem in an assessment of contemporary planning and development practice

Rubrics:

USM's Kamla Raheja Vidyavidhi Institute for Architecture and Environmental Studies / Masters of Architecture									
Year of Assessment:	Subject:	Subject Code:	University Subject Code:	Sessional Marks:	Exercise 01: Marks out of 50	Credits	Date of submission		
Exercise: Title									
Exercise Note / Task Assessment									
Grade	O++	O+	Outstanding	Excellent	Very Good	Good	Fair	Satisfactory	Fail
Percentage	90% and above	80%	79% - 75%	74% - 70%	69% - 65%	64% - 60%	59% - 55%	54% - 50%	49% - 40%
Equivalent out of 10.0	9.0	8.0	7.9 - 7.5	7.5 - 7.0	6.9 - 6.5	6.4 - 6.0	5.9 - 5.5	5.4 - 5.0	4.9 - 3.0
Area of Evaluation									
Nature of Inquiry/ Interpretation	Exceptional	Impressive	Explored many options. Clear, complete & curious. Covered width + depth both.	Innovative. Experimental and Bold Clarity. Expressive of relevance.	Confident. More than average. Easily acceptable.	Obvious. Safe / undisputed.	Fair Based on biased hypothesis.	Weak Based on biased hypothesis.	Not acceptable
Rigour of data collection/collation/ and curation, for assignments	Exceptional	Impressive	Meticulous, authentic and methodical organization of data	Distilled, well competed and organized	Lot of data and well organized	Just enough and not continuously linked	Just adequate	Not enough to support	Not acceptable
Understanding/ analysis or interpretation of reading, text/ map/ drawing/ case study	Exceptional	Impressive	Breakthrough interpretation and understanding of subject	Highly demonstrative. Beyond expected.	Clarity of thought and accurate synthesis	Good Consistently seen.	Average. Obvious methods used.	Arbitrary. Ad-hoc.	Not acceptable
Presentation/ representation or articulation, coherence and clarity of argument in the form of power-point, paper, map , drawing or report	Exceptional	Impressive	Highly structured, persuasive argument with advanced technical skills	Potential beyond expectation. Few added attributes.	Logical argument, legible narrative and representation	Almost complete.	Just adequate.	Inadequate for the purpose	Not acceptable
Attendance, time management and participation in class	Exceptional	Impressive	Positive and clear. Innovative and Worth appreciating.	High quality. High precision. Good range with good a bility.	Eloquent, suggestive, well organised and resourceful	Above average. Demonstrative. High potential	Average.	Poor.	Not acceptable

CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Students will learn to conceptualize land theoretically as conceived in the social sciences and economics	3	1	3	1	3
CO2	Student will learn to analyze land as a theoretical problem in an assessment of contemporary planning and development practice	3	2	3	1	2

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
 0 – No Correlation



M.ARCH: SEM: IV (URBAN DESIGN)
YEAR: 2018-19: SUB: ENVIRONMENTAL POLITICS AND ACTION
CHOICE BASED ELECTIVE II (MUDE 402)

FACULTY: _Shweta Wagh_

INTENT/COURSE OBJECTIVE:

Urban Nature is a highly contested domain and the course will attempt to create a multidisciplinary understanding of the ecological dimensions of contemporary urbanisation processes. Being placed at the intersection of urban and environmental studies it will engage with the relation between ecology, society and space.

The course will provide a broad historical overview of phenomenon of environmentalism and the emergence of the environmental movement, and investigate the various ideologies, debates and schools of thought concerning the environment. It will understand how environmental struggles translated into action and led to the enactment of multiple global and national environmental policies and legislations. It will also attempt to trace the intersection between environmental concerns and the spatial planning or design disciplines.

It will attempt to contextualize sustainability/environmental thought and action to make it more relevant to “cities of the global south” where urban development has tended to bring about unequal access to ecological resources and services, competing imaginations and claims over nature, and struggles over access to environmental resources and quality of life. By engaging with recent discourses and debates in the domain of urban political ecology the course will attempt to understand how environmental discourses and practices play out in the in the specific context of southern cities where they encounter diverse and multiple urban-ecologies.

COURSE OBJECTIVES/PEDAGOGIC INTENT:

- To provide a broad historical overview of phenomenon of environmentalism and the emergence of the environmental movement
- To understand how environmental action and led to the enactment of policies and legislations.
- to trace the intersection between environmental concerns and the spatial planning or design disciplines.
- to understand how environmental discourses and practices play out in the specific context of southern cities
- To engaging with recent discourses and debates in the domain of urban political ecology

COURSE METHODOLOGY

1. Lectures by the faculty to introduce definitions and categories and conceptual frameworks
2. Presentation of case studies by faculty and students: Various case studies will be analyzed and discussed.

LEARNING OUTCOMES

- Students will understand the origin and spread of the global environmental movement.
- Students will understand the implications of environmental discourses and action on spatial policy and planning
- Students will examine and understand the implications and consequences of environmental discourses in specific geographies of the global south

LECTURE SCHEDULE (Term dates: 12/11/2018-30/4/2018)		
WEEK	DATE	DESCRIPTION

1	13 th November	Introduction to the Course
2	20 th November	Reading 1: A Global History of Environmentalism
3	27 th November	Reading 2: Ecologies of Urbanism, Review of discourses and Literature
4	4 th December	Reading 3: Ecologies of Urbanism: Theoretical framework/ Questions
5	11 th December	Case Studies: Ecologies and Spatial Planning
6	18 th December	Case Studies: Ecologies of Waste and Pollution
7	8 th January	Case Studies: Ecologies of Urban Commoning
8	15 th January	Case Studies: Ecologies of Transport Infrastructures
9	22 th January	Case Studies: Ecologies of Informal settlements
10	29 th January	Case Studies: Ecologies of Resettlement Landscapes
11	5 nd February	Case Studies: Ecology of Water systems/Infrastructures
12	12 th February	Summing up

**CO-PO mapped syllabi of Masters in Architectural & Urban Conservation 2018-2019 –
Environmental Politics and Action**

Program Educational Objective (PEOs): M.Arch

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Programme outcomes:

1. To acquire the ability to critically understand the context
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5. To undertake research for production of new knowledge

Course: Environmental Politics and Action (Choice Based Elective II)

University Course Code: MUDE402 Sem- I

Year - Second

Course Objectives

1. To provide a broad historical overview of phenomenon of environmentalism and the emergence of the environmental movement
2. To understand how environmental action and led to the enactment of policies and legislations.
3. to trace the intersection between environmental concerns and the spatial planning or design disciplines.
4. to understand how environmental discourses and practices play out in the specific context of southern cities
5. To engage with recent discourses and debates in the domain of urban political ecology

Course Outcomes (CO):

1. Students will understand the origin and spread of the global environmental movement.
2. Students will understand the implications of environmental discourses and action on spatial policy and planning
3. Students will examine and understand the implications and consequences of environmental discourses in specific geographies of the global south

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CO-PO Mapping:

	CO	PO1: Critical understanding of context	PO2: Urban propositioning	PO3: urban interventions with theoretical positions	PO4: Technical Competency	PO5: Creation of new knowledge
CO1	Students will understand the origin and spread of the global environmental movement	2	0	3	0	3
CO2	Students will understand the implications of environmental discourses and action on spatial policy and planning	3	1	3	3	2
CO3	Students will examine and understand the implications and consequences of environmental discourses in specific geographies of the global south	3	1	3	1	3

1 – Slight (Low) Correlation 2- Moderate (Medium) Correlation 3- Substantial (high) Correlation
0 – No Correlation

