

# **SYLLABUS**

## **MASTER OF ARCHITECTURE M.Arch. (CITY DESIGN)**

### **SUGGESTED COURSE STRUCTURE & CURRICULUM**

**2007-09**

**FEBRUARY 10, 2006**

**VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.**  
**MASTER'S OF ARCHITECTURE IN CITY DESIGN**

SEMESTER IV                      18 WEEKS + 2 WEEK BREAK

SUBJECT CODE		SUBJECT	CREDITS	PRE-REQUISITE
C 401	STUDIO IV	THESIS	18	ALL PREVIOUS COURSES
SM 402	SEMINAR	RESEARCH METHODOLOGY	2	
		<b>TOTAL</b>	<b>20</b>	
<b>SUMMER TRAINING 12 WEEKS</b>				
C 403	SUMMER WORK	INTERNSHIP & RESEARCH PAPER	6	
<b>TOTAL</b>			<b>100</b>	

# VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.

## MASTER OF ARCHITECTURE IN CITY DESIGN

### COURSE STRUCTURE AND CREDITS

#### SEMESTER 4

Total Credits: 26

**Studio:** C-401  
**Subject:** Thesis  
**Credits:** 18

#### Background:

Based on the theoretical premise explored in the previous semester, the students are expected to translate/explore the findings into design. Urban Design is to be approached as a matter of public policy and not as a large scale architectural project. Students, through their design, must bring out the control mechanisms, room for variations and freedom within a clearly identified set of values and objectives.

#### Objectives:

- To explore a theoretical premise and its potential through a design project.
- To establish that urban design is to be approached as a matter of public policy and not as a large scale architectural project.
- To enable students to conceptualize, investigate and synthesize environmental objectives, design methods, and contextual issues at urban scale.

**Project:** Independent projects under individual guides.

#### Requirements

(from students): Study and analysis

Documentation, Study and analysis,  
Base Drawings, Regional level, City Level, Area Level and Unit Level.  
Surveys, Photographic documentation etc.

#### Design

Master plan/ Site plan/ Urban linkages and Urban structure  
Land use/ Built Vs Open/ Density/ Street network/ Sites and services  
Urban Form/ Urban Space/ Unit typology/ Scale/ Character/  
Aesthetics  
Socio-economic analysis,  
Financial strategies, implementation techniques, control mechanisms, phasing diagrams.

#### Demonstration

Part Demonstration of the project  
Architectural resolution/ Building guidelines/ Street character  
Pedestrian space/ Road Geometry/ Signage/ Landscape/  
Lighting

Models at appropriate scales.  
Submission of the final report in A-3 format.

<b>Evaluation :</b>	Guide	25%
	Internal Juror	30%
	External Juror	30%
	Thesis Co-ordinator	15%

Resident requirement of students during the entire period of thesis is mandatory.

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COURSE STRUCTURE AND CREDITS

**SEMESTER 4**

**Total Credits: 26**

**Theory:** C 402  
**Subject:** Professional Practice  
**Credits:** 2

**Requirements (from students):** Presentations and Short assignment or viva-voce.  
**Evaluation :** Periodic Internal Submissions 50%  
Theory Exams 50%

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**Theory:** C 402  
**Subject:** Internship and Research Paper  
**Credits:** 6

**Requirements (from students):** Presentations of Report  
**Evaluation :** By course faculty.

## LIST OF ELECTIVES

### 1. **Advanced Transportation Planning**

Concepts Techniques  
Regional Road Network Planning  
Public Transportation Planning

### 2. **Environmental Impact Assessment**

Introduction to EIA  
Impact Identification Techniques  
Impact Evaluation Techniques  
Predicting Impact on the Physical Environment  
Predicting Impact on Biota

### 3. **Urban Disaster Management**

Introduction to the Concept of Disaster Management and Mitigation  
Trends in Urban Development and Challenges before Urban Administrators  
Natural Disasters  
Hazard and Vulnerability Assessment  
Technological hazards at City Level  
Safety Management System  
Fire Safety at City Level  
Emergency Planning, Preparedness and Response at City Level  
Community Based Disaster Management Practices  
Education and Training on Mitigation and Emergency Planning

### 4. **Housing Market and Finance**

Introduction to the Concepts of Housing as an Economic Good, Housing Market Segmentation, Housing Finance in the Housing Market  
Micro-economics of Housing Market – (Housing Demand and Supply Determinants, Housing Demand Analysis, Affordability and Willingness to Pay)  
Housing Consumption  
Housing Supply Systems  
Informal Housing Market  
Indian Financial System – Major Institution – their role, functions, policies, etc.  
Housing Finance System in India  
Housing in National Economy and Housing Policies

### 5. **Advanced GIS**

### 6. **Urban Economy/ Local Economic Development Planning**

### 7. **Participatory Planning and Community Development**

### 8. **Research Methodology**

Note:

1. Electives will be offered in 2<sup>nd</sup> and 3<sup>rd</sup> Semester on the basis of availability of expertise in respective field.
2. List of elective can be modified as per the availability of expertise and need of the subject.