CEPT UNIVERSITY
COURSE CATALOG

2013 – 14 Spring Semester
# Table of Contents

**CEPT University**  
About  
Pedagogy  
Organization Structure  

**Transforming Pedagogy at CEPT University**  

**Programs at CEPT University**  

**Course Typology**  

**Credit Distribution in Undergraduate Program**  

**Credit Distribution in Postgraduate Program**  

**Mandatory and Elective Course Listing**  
- Faculty of Architecture  
- Faculty of Design  
- Faculty of Management  
- Faculty of Planning  
- Faculty of Technology  

**Course Details**  
- Advanced Technology  
- Computer Application and Programming  
- Crafts  
- Economics and Development  
- Environment  
- History, Theory and Criticism  
- Housing  
- Humanities  
- Infrastructure  
- Landscape  
- Language and Communication  
- Management  
- Practice  
- Research  
- Science and Mathematics  
- Services and Advance Technology  
- Studio  
- Technical Drawing and Visualization  
- Technology  
- Transport  
- Urban & Regional Planning  
- Visual Communication and Performing Arts  
- Workshop  

**Weekly Timetable**  

Page Numbers:  
- CEPT University: 1  
- Transforming Pedagogy at CEPT University: 6  
- Programs at CEPT University: 8  
- Course Typology: 10  
- Credit Distribution in Undergraduate Program: 12  
- Credit Distribution in Postgraduate Program: 14  
- Mandatory and Elective Course Listing: 16  
- Course Details: 60  
- Weekly Timetable: 120
About

The Ahmedabad Education Society (AES) established the Centre for Environment Planning & Technology (CEPT) in the year 1962 with the inception of School of Architecture (SA) through grant-in-aid from Government of Gujarat. The School of Planning (SP) was established in 1972 with financial support from Government of India (MHRD), Government of Gujarat and Ford Foundation. The other schools; School of Building Science and Technology (SBST) and School of Interior Design (SID) were established in 1982 and 1991 respectively with grant-in-aid from Government of Gujarat.

Initially CEPT was established and run by Ahmedabad Education Society (AES). In the year 1994, a separate trust and a society CEPT Society was formed. CEPT is registered as a Society and Public Charitable Trust. CEPT has been registered under the Societies whether Registered Society/ Company/Others Registration Act 1860 with the Asst. Registrar of Societies, Ahmedabad Region, Ahmedabad, vide Registration No. Guj/4185/Ahmedabad dated 24 Jan 1994.

Since inception CEPT operated as an autonomous academic institution free to develop its academic programs and award its own diplomas at the end of various programs of study recognized by the State of Gujarat and the statutory regulatory body for technical courses - the All India Council of Technical Education (AICTE). From 2002 - 2005, CEPT was affiliated to the Hemachandracharya North Gujarat University at Patan. Consequently, the students completing various programs at CEPT were awarded bachelor’s and master’s degrees. CEPT became a University by the Gujarat State Legislature Act of 2005 with effect from April 12, 2005. CEPT University has been recognized by the University Grants Commission under Section 2(f) of the UGC Act, 1956 in February 2007. The University is recognized as Scientific and Industrial Research Organization (SIRO) by Department of Scientific and Industrial Research (DSIR).

Pedagogy

The teaching programs at CEPT University focus on building professional capacities and therefore they are centered on ‘studios’ or ‘labs’. Here, students engage with well-designed life-like problems. Coursework, seminars and research assignments, aimed at developing conceptual and analytical abilities of students, and skill-enhancing workshops support learning in studios and labs. Students also have to enroll in travel and documentation programs and to intern in professional offices to widen their exposure.

CEPT University cherishes the individual interests and abilities of its students. To enable each student to chart a unique course of study and realize his or her own individual
potential, programs mandate only three quarters of the total credits that students have to complete. Students can complete the remaining credits by choosing from the wide range of elective courses on offer at any of the five faculties of the university. The Faculties also make all attempts to ensure that even within the mandatory portion of the program, students can choose courses to suit their practice orientation.

The belief that educating professionals requires practicing professionals and academics to work closely together firmly underpins CEPT University’s pedagogic philosophy. Therefore, CEPT University works as a collaborative of academics and practitioners. Practitioners adept at decision-making bring their experience to classrooms and academics impart a more thoughtful and critical approach. Teachers at CEPT University, see themselves as coaches. Their role is to support individual students in their explorations and in their capacity-building quests.

**Organization Structure**

The Governing Body frames broad policy and has overarching powers over the functioning of the University. The Board of Management constitutes the Executive Council, Academic and Research Council, and, the Finance and Development Committee. It supervises functioning of the University and has powers to review all acts of the aforementioned councils and committee. The Executive Council, the Academic and Research Council and the Finance and Development Committee manage and develop academic, research and all other programs and activities of the University. Faculties are responsible for all teaching programs at CEPT University. Faculty Councils and Boards of Studies are responsible for formulating policies pertaining to the various Faculties.

CEPT University’s Administrative Offices (Administration, Accounts and Academic Staff Office) are responsible for overall management of the University. CEPT University’s Academic Offices (Undergraduate Programs, Postgraduate Programs, Doctoral Programs, Diploma and Certificate Programs and Exchange Programs) are responsible for supporting and overseeing teaching programs in the various faculties. CEPT University Resources (Library, Workshops, Labs, Archives, University Press) and CEPT University Services (Student Services, Career Services, IT Services, Outreach Services, and Campus Services) are responsible for supporting teaching and research at the University.

CEPT University Research and Consulting (under registration) will be a wholly owned unit of CEPT University, registered under Sec. 25 of the Companies Act (1956). It will manage CEPT University’s contract, research and consulting activities. The Chairman, the President, the Director, the Deans and the Registrar are the key officers of the University.
CEPT University
Organization Structure
Ver. 14 – 12th December, 2013
CEPT University
Governing Body
Chairman: S Lalbhai
Board of Management
President: B Patel
Executive Council
Task Forces
CEPT Research and Development Foundation
Board of Directors
Theme Research Group
Project Director: Pratap Sahni
Theme Research Group
Project Director: Pratap Sahni
Theme Research Group
Project Director: Pratap Sahni
Theme Research Group
Project Director: Pratap Sahni
Theme Research Group
Project Director: Pratap Sahni
Transforming Pedagogy at CEPT University

Choice based Curriculum
CEPT University has adopted choice based curriculum that gives students the flexibility to choose courses across different faculties. This allows students to chart their own path during the course of their study at CEPT University. It gives them greater freedom and choice while selecting courses.

Any program of a faculty specifies only 75% of the credits by offering mandatory courses. A student is free to pick remaining 25% credits from any faculty of CEPT University in the form of elective courses. A mandatory course of one program can be taken as elective by student of other programs. This also allows for faculty integration and ensures a multi-disciplinary mix in a classroom.

Integration of Postgraduate Programs
The postgraduate programs offering different specialization in the same faculty are now integrated as one large program, wherein students are encouraged to develop specialization of their choice by combination of major and minor courses from various areas. This system offers students greater choice and allows them to make various combinations of specializations.

Common Calendar and Time Table
All programs follow a common annual calendar and timetable to facilitate students from one to attend courses in other faculties. By following the same framework of timetable and annual calendar, seamless integration of all the faculties is now possible.

Common Course Typology
Any course offered in CEPT University follows the listed typology and adheres to conditions. Things like contact hours, teaching style and nature of student engagement is governed by course typology. This is important so that students know beforehand what kind of teaching environment to expect while registering for a course in other programs.
<table>
<thead>
<tr>
<th>Faculty</th>
<th>Program Level</th>
<th>Program (UG=8, PG=12)</th>
<th>Degree (UG=8, PG=12)</th>
<th>Specialization / Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Architecture</td>
<td>Undergraduate</td>
<td>Undergraduate Program in Architecture</td>
<td>Bachelor of Architecture</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Postgraduate</td>
<td>Postgraduate Program in Architecture</td>
<td>Master of Architecture</td>
<td>Urban Design</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Theory &amp; Design</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Architecture &amp; Settlement Conservation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sustainable Architecture</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Master of Science in Conservation Studies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postgraduate Program in Landscape Architecture</td>
<td>Master of Landscape Architecture</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postgraduate Program in Arts and Humanities. (New admissions terminated from academic year 2013-14)</td>
<td>Master of Arts (Art, Design and Communication)</td>
<td>-</td>
</tr>
<tr>
<td>Faculty of Planning</td>
<td>Undergraduate</td>
<td>Undergraduate Program in Planning</td>
<td>Bachelor of Planning</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Postgraduate</td>
<td>Postgraduate Program in Planning</td>
<td>Master of Planning</td>
<td>Urban &amp; Regional Planning</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Housing</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Environmental Planning</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Infrastructure Planning</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Industrial Area Planning &amp; Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postgraduate Program in Climate change and sustainable development. Formerly under Faculty of Sustainable Environment and Climate Change. (New admissions terminated from academic year 2013-14)</td>
<td>Master of Technology (Climate change and Sustainable Development)</td>
<td>-</td>
</tr>
<tr>
<td>Faculty of Technology</td>
<td>Undergraduate</td>
<td>Undergraduate Program in Construction Technology</td>
<td>Bachelor of Construction Technology</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Postgraduate</td>
<td>Postgraduate Program in Construction Engineering</td>
<td>Master of Technology in Construction Engineering &amp; Management</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postgraduate Program in Engineering Design</td>
<td>Master of Technology in Structural Engineering Design</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postgraduate Program in Infrastructure Engineering and Management (New admissions terminated from academic year 2013-14)</td>
<td>Master of Technology in Infrastructure Engineering Design</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postgraduate Program in Geomatics</td>
<td>Master of Technology in Geomatics</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Master of Science in Geomatics</td>
</tr>
<tr>
<td>Faculty of Design</td>
<td>Undergraduate</td>
<td>Undergraduate Program in Interior Design</td>
<td>Bachelor of Interior Design</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Postgraduate</td>
<td>Postgraduate Program in Interior Architecture &amp; Design</td>
<td>Master of Interior Architecture &amp; Design</td>
<td>History, Theory &amp; Criticism</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Craft &amp; Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Energy Efficiency</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postgraduate Program in Technology Management. Formerly under Faculty of Technology Management. (New admissions terminated from academic year 2013-14)</td>
<td>Master of Technology Management</td>
<td>-</td>
</tr>
<tr>
<td>Faculty of Management</td>
<td>Postgraduate</td>
<td>Postgraduate Program in Habitat Management</td>
<td>Master of Habitat Management</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postgraduate Program in Technology Management. Formerly under Faculty of Technology Management. (New admissions terminated from academic year 2013-14)</td>
<td>Master Business Administration of Technology Management</td>
<td>-</td>
</tr>
</tbody>
</table>
# Course Typology

<table>
<thead>
<tr>
<th>Type</th>
<th>Pedagogy</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>Lectures are the primary mode of teaching. Best suited for transferring information/concepts/theory. Should be supplemented by frequent tests to verify whether concepts are being understood.</td>
<td>(1) To deliver substantial amounts of information to large numbers of students (2) To provide a summary or synthesis of information from different sources (3) To allow introduction of multiple concepts</td>
</tr>
<tr>
<td>Lecture (small)</td>
<td>- do-</td>
<td>(1) To deliver substantial amounts of information to a small number of students (2) To provide a summary or synthesis of information from different sources (3) To allow introduction of multiple concepts</td>
</tr>
<tr>
<td>Discussion seminar</td>
<td>Where discussion on pre-assigned readings or on brief lectures/presentations</td>
<td>(2) To facilitate discussion on a particular subject (2) To expose students to various points of view (3) To teach them how to formulate and articulate arguments</td>
</tr>
<tr>
<td>Research Seminar</td>
<td>Introduces the students to the process of critical enquiry within a specific field or topic by way of reading other works and understanding the arguments, forming coherent connections, writing to communicate hypotheses, supported by valid arguments.</td>
<td>(1) To equip the students to read and understand concepts, information, experiments, field studies through research papers, essays, books, articles and other sources; (2) To assist them in understanding the arguments/discussion and methodology and form connections with their</td>
</tr>
<tr>
<td>Studio</td>
<td>Where students are confronted by life-like situations and told to define the problems and to attempt solving them. The faculty coaches students and provides them with necessary concepts and theories.</td>
<td>(1) To encourage individual but active learning and responsibility (2) To facilitate learning to work with group dynamics</td>
</tr>
<tr>
<td>Studio Type 2</td>
<td>Where students are confronted by life-like situations and told to define the problems and to attempt solving them. The faculty coaches students and provides them with necessary concepts and theories.</td>
<td>(1) To encourage individual but active learning and responsibility (2) To facilitate learning to work with group dynamics</td>
</tr>
<tr>
<td>Guided research (thesis)</td>
<td>Where faculty members coach individual students on 1) conducting research and writing up the results, 2) undertaking research for a design project and writing the results, or 3) conducting research for proposing a development project and writing up a grant proposal.</td>
<td>(1) To equip students with vital research skills (2) To build capacity to develop logical and independent thought process</td>
</tr>
<tr>
<td>Workshop</td>
<td>Where faculty members coach students to help them develop skills in working with certain materials and technologies</td>
<td>(1) To encourage interactive and hands-on learning (2) To develop practical reasoning and decision making skills</td>
</tr>
<tr>
<td>Design Workshop</td>
<td>Students are confronted with real life problems and they are coached to evolve construction/workshop drawings and or prototypes. Fusion of workshop and studio courses.</td>
<td>(1) To encourage interactive and hands-on learning (2) To provide sufficient time for skill building; (3) To develop practical reasoning and decision making skills (4) Totranslate design interventions into executable</td>
</tr>
<tr>
<td>Independent study</td>
<td>Where a student selects a topic of interest, reads a set of books on that topic and writes up an annotated bibliography. The student is guided in this study by a faculty member who supervises and approves the bibliography.</td>
<td>(1) To encourage students who have demonstrated ability to learn independently (2) To explore topics of personal interest within research framework</td>
</tr>
<tr>
<td>Makeup tutorial</td>
<td>One-to-one sessions with a faculty member for hours equal to half the credit of the original lecture course (per week).</td>
<td>Designed for students that have failed in a lecture course. With this course they will make-up for the shortfall in understanding and will be assessed after the end of designated one-to-one sessions via a module chosen by the instructor (e.g. assignments, viva, or written exam).</td>
</tr>
<tr>
<td>Internship</td>
<td>Where a student apprentices in an office or a site to experience what it is like to work in a real-life situation.</td>
<td>(1) To develop that self-confidence of the student (2) To expose students to different types of work and comprehensive work experience essential for the independent practice of profession</td>
</tr>
</tbody>
</table>
Credit Distribution in Undergraduate Program

Credit Requirements

A student will have to take a total of minimum 220 credits in a ten-semester program of five years duration.

A student is required to take minimum 200 credits from the courses offered during the ten semesters of study.

A student is required to take a minimum 20 credits from the summer and winter program that is offered between semesters.

A student will have to take a total of 155 Mandatory Course Credits (including Internship of 20 credits and Thesis of 15 credits) during all ten semesters.

A student will have to take 45 Elective Courses Credit from any Faculty, during the ten semesters.

Internship Program will carry 20 credits - These are Course Credits.

Thesis Program will carry 15 credits - These are Mandatory Course Credits.

Students can take a maximum of 24 credits per semester and maximum of 5 credits in a Winter/ Summer program.

Mandatory Courses

Mandatory Course is designated as compulsory for a particular program. A Mandatory Course of one Faculty is considered as Elective for students of other Faculties.

Elective Courses

Elective Course is chosen by a student in any Faculty, subject to fulfillment of prerequisites.
Credit Distribution in Postgraduate Program

Credit Requirements

A student will have to take a total of minimum 90 credits in a four-semester program of two years duration.

A student is required to take minimum 80 credits from the courses offered during the four semesters of study.

A student is required to take a minimum 10 credits from the summer and winter program that is offered between semesters.

A student will have to take a total of 60 Mandatory Course Credit during four semesters.

A student will have to take 20 Elective Courses Credit from any Faculty, during the four semesters.

Thesis Program will carry 15 credits -These are Mandatory Course Credits.

Students can take a maximum of 24 credits per semester and maximum of 5 credits in a Winter/ Summer program.

Mandatory Courses

Mandatory Course is designated as compulsory for a particular program.

A Mandatory Course of one Faculty is considered as an Elective for students of other Faculties

Elective Courses

Elective Course is chosen by a student in any Faculty subject to fulfillment of prerequisites.
Mandatory and Elective Course Listing
<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE NAME</th>
<th>CREDITS</th>
<th>INSTRUCTOR/S</th>
<th>PREREQUISITE</th>
<th>TIME</th>
<th>DAYS</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1000</td>
<td>Studio 1</td>
<td>4</td>
<td>Meghal Arya, Rathin Goghari, Puneet Mehrotra</td>
<td>NA FOR THIS SEMESTER</td>
<td>10.30-13.30, 10.30-13.30</td>
<td>Monday, Thursday</td>
<td>Studios</td>
</tr>
<tr>
<td>I</td>
<td>1001</td>
<td>Basic Design 1</td>
<td>4</td>
<td>Sachin Soni, Darshan Soni, Arundati, Sinali</td>
<td>NA FOR THIS SEMESTER</td>
<td>10.30-11.30, 10.30-13.30</td>
<td>Wednesday, Friday</td>
<td>Workshop, Studios</td>
</tr>
<tr>
<td>I</td>
<td>1002</td>
<td>Visualization and Representation 1</td>
<td>3</td>
<td>Sharad Panchal, Sachin Soni</td>
<td>NA FOR THIS SEMESTER</td>
<td>14.30-17.30, 14.30-17.30</td>
<td>Monday, Wednesday</td>
<td>Workshop, Technical Drawing and Visualization</td>
</tr>
<tr>
<td>I</td>
<td>1003</td>
<td>Building Materials 1</td>
<td>2</td>
<td>Kashikar Vishwanath, Sharad Panchal</td>
<td>Mandatory for FA UG</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>1031</td>
<td>Studio II</td>
<td>4</td>
<td>Sachin Soni, Rathin Goghari, Puneet Mehrotra</td>
<td>FA UG</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Language and Communication</td>
</tr>
<tr>
<td>II</td>
<td>1032</td>
<td>Basic Design II</td>
<td>2</td>
<td>Pratyush Shankar, Sinali Ratanlal</td>
<td>UG Architecture only</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>History, Theory and Criticism, Humanities</td>
</tr>
<tr>
<td>II</td>
<td>1033</td>
<td>Joinery in Building Elements</td>
<td>3</td>
<td>Sankalpa, Ayaz Pathan</td>
<td>Building Material I</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Technical Drawing and Visualization</td>
</tr>
<tr>
<td>II</td>
<td>1034</td>
<td>Fundamentals of Structures II</td>
<td>2</td>
<td>V.R. Shah, Mangesh Belsare</td>
<td>Fundamentals of Structure I</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>1035</td>
<td>English Language and Communication</td>
<td>2</td>
<td>Catrinel Dunca</td>
<td>Open to all</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Language and Communication</td>
</tr>
<tr>
<td>II</td>
<td>1036</td>
<td>Humanities 1: Where is Culture</td>
<td>2</td>
<td>Gauri Bharat</td>
<td>Open to all</td>
<td>08.30-10.30</td>
<td>Monday</td>
<td>History, Theory and Criticism, Humanities</td>
</tr>
<tr>
<td>II</td>
<td>1037</td>
<td>Visual Representation - 2</td>
<td>5</td>
<td>Sharad Panchal, Sachin Soni</td>
<td>UG Architecture only</td>
<td>08.30-10.30</td>
<td>Tuesday, Thursday</td>
<td>Technical Drawing and Visualization</td>
</tr>
<tr>
<td>III</td>
<td>1006</td>
<td>Building Elements 2</td>
<td>2</td>
<td>Sankalpa, Ayaz Pathan</td>
<td>10.30-13.30, 10.30-13.30</td>
<td>Monday, Thursday</td>
<td>Technology</td>
<td></td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR(S)</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>---------------</td>
<td>--------------</td>
<td>-------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>1007</td>
<td>Structures 3</td>
<td>2</td>
<td>V.R. Shah</td>
<td>NA FOR THIS SEMESTER</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1008</td>
<td>Climate Responsive Design</td>
<td>3</td>
<td>Vishwanath Kashikar</td>
<td>NA FOR THIS SEMESTER</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1009</td>
<td>Computer Applications</td>
<td>2</td>
<td>Nitin Raje</td>
<td>NA FOR THIS SEMESTER</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td></td>
</tr>
<tr>
<td>IV</td>
<td>1010</td>
<td>Visualisation and Representation 3</td>
<td>3</td>
<td>Mona Khakkar, Mukesh Shah</td>
<td>UG Architecture only</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1011</td>
<td>Building Technology</td>
<td>2</td>
<td>Sachin Soni</td>
<td>UG Architecture only</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1012</td>
<td>Building Systems and Services</td>
<td>3</td>
<td>Prayush Shanker, Gujjar Singh, Mansi Pandey, Urvish Seth</td>
<td>UG Architecture only</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1013</td>
<td>History 3</td>
<td>2</td>
<td>Meghal Arya</td>
<td>Technology</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1014</td>
<td>History, Theory and Criticism</td>
<td>2</td>
<td>Mona Khakkar</td>
<td>Technology</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1015</td>
<td>Studio-IV</td>
<td>2</td>
<td>V.R. Shah</td>
<td>Technology</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td></td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTORS</td>
<td>PREREQUISITE</td>
<td>AREA</td>
<td>DAYS</td>
<td>TIME</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>-------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>VI</td>
<td>1046</td>
<td>Professional Practice</td>
<td>3</td>
<td>Mangesh Belsare</td>
<td>only</td>
<td>Practice</td>
<td>Monday</td>
<td>14.30-17.30</td>
</tr>
<tr>
<td></td>
<td>1048</td>
<td>History of Architecture: Post-Industrialization to the Present</td>
<td>2</td>
<td>Meghal Arya, Ashish Tiwari</td>
<td>3rd year and above UG only</td>
<td>Practice</td>
<td>Monday</td>
<td>08.30-10.30</td>
</tr>
<tr>
<td></td>
<td>1049</td>
<td>Moving and Still Imaging</td>
<td>2</td>
<td>Urv Sheth, Ujval Parmal</td>
<td>2nd year UG onwards</td>
<td>Practice</td>
<td>Monday</td>
<td>14.30-16.30, 16.30-18.30</td>
</tr>
<tr>
<td></td>
<td>1050</td>
<td>Office Training</td>
<td>15</td>
<td>Nitin Rej, Shaarad Panchal, Gujrat Singh</td>
<td>To Be Decided</td>
<td>Studio</td>
<td>Monday</td>
<td>10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>1052</td>
<td>Humanities 4: The Big Fight</td>
<td>2</td>
<td>Gauri Bharat</td>
<td>UG 4th year level onwards and PG</td>
<td>Studio</td>
<td>Monday</td>
<td>08.30-10.30</td>
</tr>
<tr>
<td></td>
<td>1053</td>
<td>Building Quantitiy and Costs</td>
<td>2</td>
<td>Ajit Desai</td>
<td>UG 4th year level onwards and PG</td>
<td>Studio</td>
<td>Monday</td>
<td>08.30-10.30</td>
</tr>
<tr>
<td></td>
<td>1054</td>
<td>Architectural Design Studio 8</td>
<td>8</td>
<td>Meghal Arya</td>
<td>UG Architecture only</td>
<td>Studio</td>
<td>Monday</td>
<td>10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>1055</td>
<td>Architectural Design Studio 9</td>
<td>8</td>
<td>To Be Decided</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>1015</td>
<td>Professional Practice</td>
<td>3</td>
<td>Kashikar Vishwanath</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1016</td>
<td>Research Methods</td>
<td>2</td>
<td>To Be Decided</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1017</td>
<td>Specification and Contracts</td>
<td>2</td>
<td>Sanjiv</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1018</td>
<td>Thesis</td>
<td>15</td>
<td>To Be Decided</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1019</td>
<td>Research</td>
<td>8</td>
<td>To Be Decided</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1020</td>
<td>Research</td>
<td>15</td>
<td>To Be Decided</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1021</td>
<td>Research</td>
<td>15</td>
<td>To Be Decided</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>--------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>I</td>
<td>1500</td>
<td>Discipline of Architecture: An Integrated body of Knowledge</td>
<td>8 + 2</td>
<td>Rajiv Kadam, Snehal Shah, R.J.Vasavada, Miki Desai, Neelkanth Chhaya, Milind Patel, PKV Nair</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1501</td>
<td>Evolution of Urbanity</td>
<td>2</td>
<td>Rajiv Kadam</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1502</td>
<td>Space, Culture, Politics and Urban Design</td>
<td>3</td>
<td>Binod Agarwal, Seema Khandwalkar, Renu Desai</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1503</td>
<td>Manifestations and Theories</td>
<td>2</td>
<td>Meghal Arya</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1504</td>
<td>Contextual Anchorage and Flight of Innovations</td>
<td>3</td>
<td>Kulbhushan Jain</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1505</td>
<td>Structural Conservation I</td>
<td>2</td>
<td>R. J. Shah</td>
<td>Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1506</td>
<td>Conservation Studies I</td>
<td>3</td>
<td>Khushi Shah</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1507</td>
<td>Ecology and Environment</td>
<td>2</td>
<td>Jigna Desai</td>
<td>Environment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1508</td>
<td>Vernacular Architecture</td>
<td>3</td>
<td>Miki Desai</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>1520</td>
<td>Studio Seminar</td>
<td>2</td>
<td>Rajiv Kadam</td>
<td>M.Arch.(UD) Semester I</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>1521</td>
<td>Case Studies in Urban Design</td>
<td>3</td>
<td>P V K Rameshwar</td>
<td>Mandatory for M.Arch.(UD) Sem.II, Open to all PG Students</td>
<td>14.30-17.30</td>
<td>Wednesday</td>
<td>Research</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE NAME</td>
<td>COURSE CODE</td>
<td>CREDITS</td>
<td>INSTRUCTOR(S)</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>---------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>II</td>
<td>Urban Design Theory</td>
<td>1522</td>
<td>2</td>
<td>Rajiv Kadam</td>
<td>Mandatory for M.Arch.(UD) Semester II. Open to all Post Graduate Students.</td>
<td>08.30-10.30</td>
<td>Tuesday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>Studio Seminar</td>
<td>1524</td>
<td>2</td>
<td>K. B. Jain</td>
<td></td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>Historic Buildings and Adaptive Reuse</td>
<td>1525</td>
<td>3</td>
<td>Meenakshi Jain</td>
<td>Mandatory for M.Arch.(TD) Semester I</td>
<td>14.30-17.30</td>
<td>Thursday</td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>History and Theory</td>
<td>1526</td>
<td>2</td>
<td>Snehal Shah</td>
<td></td>
<td>10.30-13.30</td>
<td>Thursday</td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>Studio II (ASC)</td>
<td>1527</td>
<td>8</td>
<td>Kamalika Bose</td>
<td>Mandatory for M.Arch.(ASC) Semester I. Open to all PG Students.</td>
<td>10.30-13.30, 10.30-13.30, 10.30-13.30, 10.30-13.30</td>
<td>Monday, Wednesday, Thursday, Friday</td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>Studio Workshop</td>
<td>1528</td>
<td>2</td>
<td>P K V Nair</td>
<td></td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>Conservation Studies II</td>
<td>1529</td>
<td>3</td>
<td>Khushi Shah</td>
<td>Mandatory for M.Arch.(ASC) Semester II. Completion of Conservation Studies offered as a part of M.Arch Program.</td>
<td>14.30-17.30</td>
<td>Tuesday</td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>History of Architecture II</td>
<td>1530</td>
<td>3</td>
<td>Deepali Kannal</td>
<td></td>
<td>14.30-17.30</td>
<td>Monday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR(S)</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>II</td>
<td>1531</td>
<td>History of Culture II</td>
<td>2</td>
<td>Thomas Parmar</td>
<td>Mandatory for M.Arch. (ASC) Semester II, Open to all Post Graduate Students</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td></td>
<td>1532</td>
<td>Structures II</td>
<td>2</td>
<td>R. J. Shah</td>
<td>Mandatory for M.Arch. (ASC) Semester II, Completion of Structures I offered as a part of M.Arch Program.</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Technology</td>
</tr>
<tr>
<td></td>
<td>1534</td>
<td>Sustainable Systems and Processes I</td>
<td>3</td>
<td>Jigna Desai, Urvi Desai</td>
<td>Mandatory for M.Arch. (SA) Semester II, Open to all Post Graduate Students</td>
<td>14.30-17.30</td>
<td>Tuesday</td>
<td>Environment</td>
</tr>
<tr>
<td></td>
<td>1535</td>
<td>Research Methods and Critical Writing</td>
<td>2</td>
<td>Madhavi Desai</td>
<td>M.Arch. (SA) Semester I</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Research</td>
</tr>
<tr>
<td></td>
<td>1536</td>
<td>Passive and Low Energy Design</td>
<td>2</td>
<td>Keyur Vadodaria</td>
<td>M.Arch. (SA) Semester I</td>
<td>14.30-16.30</td>
<td>Friday</td>
<td>Environment</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>--------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>I</td>
<td>1513</td>
<td>Natural Sciences – I (Geology and Soils)</td>
<td>3</td>
<td>Madhukara, Deepa Maheshwari</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Environment</td>
</tr>
<tr>
<td>I</td>
<td>1514</td>
<td>Natural Sciences –II (Hydrology, Climatology and Phytogeography)</td>
<td>2</td>
<td>Deepa Maheshwari, S C Sharma, Sandip Patil</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Environment</td>
</tr>
<tr>
<td>I</td>
<td>1515</td>
<td>Landscape Engineering – I (Landforms and Construction Details)</td>
<td>2</td>
<td>Kalgaonkar, Bobby Sujan</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Technology</td>
</tr>
<tr>
<td>I</td>
<td>1516</td>
<td>Landscape Design - I (MLA)</td>
<td>8</td>
<td>Anjali Jain, Divya Shah</td>
<td>UG Students 4th year onwards, Postgraduate Students</td>
<td>14.30-16.30</td>
<td>Wednesday</td>
<td>Studio</td>
</tr>
<tr>
<td>I</td>
<td>1517</td>
<td>Landscape Design - I (MLD)</td>
<td>8</td>
<td>Sandip Patil, Bobby Sujan, Kushi Rai</td>
<td>UG Students 4th year onwards, Postgraduate Students</td>
<td>14.30-16.30</td>
<td>Wednesday</td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>1537</td>
<td>Ecology</td>
<td>2</td>
<td>Deepa Maheshwari</td>
<td>UG Students 4th year onwards, Postgraduate Students</td>
<td>14.30-16.30</td>
<td>Wednesday</td>
<td>Environment</td>
</tr>
<tr>
<td>II</td>
<td>1538</td>
<td>Planting Design &amp; Management</td>
<td>2</td>
<td>Deepa Maheshwari</td>
<td>1518-Field Study of Plants or Landscape Studio I</td>
<td>14.30-16.30</td>
<td>Thursday</td>
<td>Landscape</td>
</tr>
<tr>
<td>II</td>
<td>1539</td>
<td>Theory of Landscape Design</td>
<td>2</td>
<td>Anjali Jain</td>
<td>UG Students 4th year onwards, Postgraduate Students</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1541</td>
<td>Landscape Engineering – II (Water systems)</td>
<td>1</td>
<td>Rishabh Jain</td>
<td>UG Students 4th year onwards, PG Students</td>
<td>17.30-18.30</td>
<td>Monday</td>
<td>Technology</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------------------------------------------------</td>
<td>---------</td>
<td>-------------------------------</td>
<td>----------------------------</td>
<td>------</td>
<td>------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>I</td>
<td>1021</td>
<td>Cities in History and Theory</td>
<td>2</td>
<td>Pratuysh Shankar</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>I</td>
<td>1022</td>
<td>Ways of Looking at Architecture</td>
<td>2</td>
<td>Neelkanth Chhaya</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1023</td>
<td>Walking the City</td>
<td>2</td>
<td>Meghalanya, Sankalpa</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1024</td>
<td>Techniques of Model Making</td>
<td>2</td>
<td>Krunal Mistry, Dilip Panchal</td>
<td>Workshop, Visual Communication and Performing Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1025</td>
<td>Cinema Paradiso</td>
<td>2</td>
<td>Juzer Lanewala</td>
<td>Visual Communication and Performing Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1026</td>
<td>English Language and Communication</td>
<td>2</td>
<td>Catrinel Dunca</td>
<td>Language and Communication</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1027</td>
<td>Ceramics</td>
<td>2</td>
<td>Nehal Rachh</td>
<td>Visual Communication and Performing Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1028</td>
<td>Art+Architecture: Ideas at the Interface</td>
<td>2</td>
<td>Ruturaj Parikh</td>
<td>History, Theory and Criticism, Visual Communication and Performing Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1029</td>
<td>Appreciation of Indian Classical Music</td>
<td>2</td>
<td>Sohan Nilkanth</td>
<td>Visual Communication and Performing Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1030</td>
<td>Biscuit Radio: A Laboratory for Fragile Bodies</td>
<td>2</td>
<td>Prayas Abhinav</td>
<td>Visual Communication and Performing Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1509</td>
<td>Streets for People</td>
<td>3</td>
<td>Purvi Vyas, Madhavi Joshi, Jigna Desai</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1510</td>
<td>History of Medieval Architecture - its development, significance and implications</td>
<td>2</td>
<td>Snehal Shah</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1511</td>
<td>History of Culture</td>
<td>2</td>
<td>To be finalised</td>
<td>History, Theory and Criticism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1512</td>
<td>Clay Workshop</td>
<td>3</td>
<td>Snehal Kashikar</td>
<td>Visual Communication</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NA FOR THIS SEMESTER
<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE NAME</th>
<th>CREDITS</th>
<th>INSTRUCTORS</th>
<th>PREREQUISITE</th>
<th>DAYS</th>
<th>TIME</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>1054</td>
<td>Deployable Systems</td>
<td>2</td>
<td>Deepa Maheshwari, Divya Shah</td>
<td>Open to all</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>Environment, Technology</td>
</tr>
<tr>
<td>II</td>
<td>1055</td>
<td>Sustainability of Global Scenario</td>
<td>2</td>
<td>Shaleja Pandit</td>
<td>2nd year UG students</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>Environment, History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1056</td>
<td>How to Look at Art</td>
<td>2</td>
<td>Esther David</td>
<td>Open to all</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>Environment</td>
</tr>
<tr>
<td>II</td>
<td>1057</td>
<td>The world of Earth and Bamboo</td>
<td>2</td>
<td>Sanjala</td>
<td>3rd year and above UG only</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1058</td>
<td>Comparative Urban Form: Indian Cities</td>
<td>2</td>
<td>Prayush Shankar</td>
<td>UG 3rd year level onwards and PG</td>
<td>Tuesday</td>
<td>08.30-10.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1059</td>
<td>Algorithms, Past and Present</td>
<td>2</td>
<td>Nitin Rege</td>
<td>Open to all</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1060</td>
<td>Techniques of Mode Making</td>
<td>2</td>
<td>Dilip Panchal, Krunal Misty</td>
<td>Open to all</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1061</td>
<td>French Language</td>
<td>3</td>
<td>Kanchan Sharma (Alliance Francaise d'Ajedzbad)</td>
<td>Open to all</td>
<td>Tuesday</td>
<td>08.30-10.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1062</td>
<td>Flexible Cities</td>
<td>2</td>
<td>Chandrika Parmer</td>
<td>Open to all</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1063</td>
<td>Architecture of Flight</td>
<td>2</td>
<td>Capt. Sagar Paranjpe, Shal Sheth, Pankaj</td>
<td>Open to all</td>
<td>Tuesday</td>
<td>08.30-10.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1064</td>
<td>Discussions on Development and Sustainability</td>
<td>3</td>
<td>Urvi Desai</td>
<td>UG 4th year level onwards and PG</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1065</td>
<td>Sustainability of Historic Environments</td>
<td>3</td>
<td>Jigna Desai, Gauri Bharat</td>
<td>UG 4th year level onwards and PG</td>
<td>Tuesday</td>
<td>14.30-16.30</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>1066</td>
<td>Feminists in Field</td>
<td>2</td>
<td>Jigna Desai, Gauri Bharat</td>
<td>Open to all</td>
<td>Tuesday</td>
<td>08.30-10.30</td>
<td>History, Theory and Criticism</td>
</tr>
</tbody>
</table>

II
<table>
<thead>
<tr>
<th>SEMESTER CODE</th>
<th>COURSE NAME</th>
<th>CREDITS</th>
<th>INSTRUCTOR/S</th>
<th>PREREQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1066</td>
<td>Philosophy and History of Science</td>
<td>2</td>
<td>Mukesh Patel</td>
<td>Open to all</td>
</tr>
<tr>
<td>1067</td>
<td>The Smart Ones Behind Your Smart Phones</td>
<td>1</td>
<td>Bhas Bapat</td>
<td>Open to all</td>
</tr>
<tr>
<td>1542</td>
<td>Introduction to Landscape Design</td>
<td>3</td>
<td>Deepa Maheshwari, Bobby Sujan, Sandip Patil, Divya Shah, Parin Shah</td>
<td>UG students 5th Semester onwards, PG Students</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>----------------------------------</td>
<td>---------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>I</td>
<td>2000</td>
<td>Basic Design-I</td>
<td>4</td>
<td>M P Ranjan, Jay Thakkar</td>
</tr>
<tr>
<td>I</td>
<td></td>
<td>Drawings -I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>2002</td>
<td>VR-Sketching</td>
<td>3</td>
<td>Rajesh Sagara</td>
</tr>
<tr>
<td>I</td>
<td>2003</td>
<td>Structure &amp; Material (WK)-I</td>
<td>1</td>
<td>Jay Thakkar</td>
</tr>
<tr>
<td>I</td>
<td>2004</td>
<td>Structure &amp; Material (TH)-I</td>
<td>1</td>
<td>Shehzad Irani</td>
</tr>
<tr>
<td>I</td>
<td>2005</td>
<td>History-I</td>
<td>2</td>
<td>Snehal Nagarsheth</td>
</tr>
<tr>
<td>II</td>
<td>2032</td>
<td>Communication &amp; Creative Writing</td>
<td>1</td>
<td>Mukesh Patel</td>
</tr>
<tr>
<td>II</td>
<td>2033</td>
<td>Basic Design-II</td>
<td>4</td>
<td>Kireet Patel, Rishav Jain</td>
</tr>
<tr>
<td>II</td>
<td>2034</td>
<td>History - II</td>
<td>2</td>
<td>Jay Thakkar, Snehal Shah</td>
</tr>
<tr>
<td>II</td>
<td>2035</td>
<td>Material and Method of</td>
<td>3</td>
<td>Amal Shah, Rishav Jain</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTORS</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>II</td>
<td>2036</td>
<td>VR - Drawing &amp; Color Workshop</td>
<td>3</td>
<td>Rajesh Sagara, Hamid Ram</td>
</tr>
<tr>
<td></td>
<td>2037</td>
<td>VR - Drawing &amp; Color Workshop</td>
<td>3</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>Structure &amp; Material - I</td>
<td>2</td>
<td>Sanam Bhattacharya, Nehal Bhatt, Rithu Jan</td>
</tr>
<tr>
<td></td>
<td>2008</td>
<td>Structure &amp; Material - I</td>
<td>2</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td>III</td>
<td>2009</td>
<td>Furniture Design - I</td>
<td>4</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td></td>
<td>2010</td>
<td>Furniture Design - I</td>
<td>4</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td></td>
<td>2011</td>
<td>Furniture Design - I</td>
<td>2</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td></td>
<td>2012</td>
<td>History - III</td>
<td>2</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td></td>
<td>2013</td>
<td>History - III</td>
<td>6</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td></td>
<td>2014</td>
<td>History - III</td>
<td>2</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td></td>
<td>2015</td>
<td>History - III</td>
<td>4</td>
<td>Shereza Fari</td>
</tr>
<tr>
<td>IV</td>
<td>2038</td>
<td>VR - Graphic Design - II</td>
<td>2</td>
<td>Jaai Kakani, Kamalika Bose</td>
</tr>
<tr>
<td></td>
<td>2039</td>
<td>VR - Graphic Design - II</td>
<td>2</td>
<td>Jaai Kakani, Kamalika Bose</td>
</tr>
<tr>
<td></td>
<td>2040</td>
<td>VR - Graphic Design - II</td>
<td>2</td>
<td>Jaai Kakani, Kamalika Bose</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>--------------------------------------</td>
<td>---------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>IV</td>
<td>2041</td>
<td>Material and Method of Construction - III</td>
<td>2</td>
<td>Amal Shah</td>
</tr>
<tr>
<td></td>
<td>2042</td>
<td>Interior Services - I (P+E)</td>
<td>2</td>
<td>Komal Dighe</td>
</tr>
<tr>
<td>V</td>
<td>2013</td>
<td>Interior Design Studio-III</td>
<td>6</td>
<td>Krishna Shastri, Rishav Jain</td>
</tr>
<tr>
<td></td>
<td>2014</td>
<td>Furniture Design-III</td>
<td>4</td>
<td>Shrutie Tamboli, Komal Dighe</td>
</tr>
<tr>
<td></td>
<td>2015</td>
<td>Interior Construction Drawing-I</td>
<td>3</td>
<td>Amal Shah, Ramesh Patel</td>
</tr>
<tr>
<td></td>
<td>2016</td>
<td>Interior Professional Practice</td>
<td>1</td>
<td>Gautam Shah</td>
</tr>
<tr>
<td></td>
<td>2017</td>
<td>Interior Services-II (HVAC)</td>
<td>1</td>
<td>Ashutosh Shukla</td>
</tr>
<tr>
<td>VI</td>
<td>2043</td>
<td>Interior Design Studio - IV</td>
<td>6</td>
<td>Snehal Nagarsheth, Sidharth Singh</td>
</tr>
<tr>
<td></td>
<td>2044</td>
<td>Interior Construction Drawing. - II</td>
<td>3</td>
<td>Amal Shah, Ramesh Patel</td>
</tr>
<tr>
<td></td>
<td>2045</td>
<td>Professional Practice: Estimation and Contracts</td>
<td>3</td>
<td>Ramesh Patel</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTORS</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>VII</td>
<td>2046</td>
<td>Crafts in Interior Architecture and Design</td>
<td>2</td>
<td>Rishav Jain</td>
</tr>
<tr>
<td>VII</td>
<td>2047</td>
<td>Office Training</td>
<td>15</td>
<td>Snehal Tamboli, Kamalika Bose</td>
</tr>
<tr>
<td>VIII</td>
<td>2048</td>
<td>Interior Design Studio-V (Adaptive Reuse)</td>
<td>6</td>
<td>Snehal Tamboli, Kamalika Bose</td>
</tr>
<tr>
<td>VIII</td>
<td>2049</td>
<td>Research Methods</td>
<td>2</td>
<td>Kamalika Bose</td>
</tr>
<tr>
<td>VIII</td>
<td>2050</td>
<td>Renovation &amp; Alteration</td>
<td>2</td>
<td>V R Shah, Poonam Jolly</td>
</tr>
<tr>
<td>IX</td>
<td>2051</td>
<td>Design Expression &amp; Technology</td>
<td>2</td>
<td>Snehal Nagarsheth</td>
</tr>
<tr>
<td>IX</td>
<td>2018</td>
<td>History-V</td>
<td>3</td>
<td>Snehal Nagarsheth</td>
</tr>
<tr>
<td>IX</td>
<td>2019</td>
<td>Interior Environmental Science</td>
<td>2</td>
<td>Snehal Nagarsheth</td>
</tr>
<tr>
<td>IX</td>
<td>2020</td>
<td>Design Management</td>
<td>2</td>
<td>Gautam Shah</td>
</tr>
<tr>
<td>X</td>
<td>2021</td>
<td>Thesis</td>
<td>15</td>
<td>Snehal Nagarsheth</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>------------------------------------------------------</td>
<td>---------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>I</td>
<td>2500</td>
<td>Learning by Reading (Interior Architectural Dimensions) - Module 1</td>
<td>2</td>
<td>Jaimini Mehta</td>
</tr>
<tr>
<td>I</td>
<td>2501</td>
<td>Learning by Reading (Interior Architectural Dimensions) - Module 2</td>
<td>2</td>
<td>Snehal Nagarsheth</td>
</tr>
<tr>
<td>I</td>
<td>2502</td>
<td>Crafts in Interior Architecture</td>
<td>2</td>
<td>Jay Thakkar</td>
</tr>
<tr>
<td>I</td>
<td>2503</td>
<td>Building Energy Efficiency Workshop</td>
<td>2</td>
<td>Rajan Rawal, Sanyogita Manu</td>
</tr>
<tr>
<td>I</td>
<td>2504</td>
<td>Generative Design Process - I</td>
<td>3</td>
<td>Jwalant Mahadevwal, Krishna Shastri</td>
</tr>
<tr>
<td>I</td>
<td>2505</td>
<td>Cultural Perception of Crafts</td>
<td>2</td>
<td>Kireet Patel</td>
</tr>
<tr>
<td>I</td>
<td>2506</td>
<td>Introduction to Building Energy Efficiency</td>
<td>2</td>
<td>Sanyogita Manu, Rajan Rawal</td>
</tr>
<tr>
<td>II</td>
<td>2511</td>
<td>Crafts: Process, Values and Collaboration</td>
<td>2</td>
<td>Jay Thakkar</td>
</tr>
<tr>
<td>II</td>
<td>2512</td>
<td>Crafts: Contemporary Orientation in Interior</td>
<td>2</td>
<td>Kireet Patel</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>II</td>
<td>2513</td>
<td>Architecture</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2513</td>
<td>Introduction to Research Design and Communication</td>
<td>3</td>
<td>Saket Sarraf, Sanyogita Manu</td>
</tr>
<tr>
<td></td>
<td>2514</td>
<td>The Idea of Design</td>
<td>3</td>
<td>Jaimini Mehta</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTORS</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>II</td>
<td>2515</td>
<td>Advanced Building Energy Efficiency Studio</td>
<td>4</td>
<td>Munjal Bhatt / Sanyogita Manu</td>
</tr>
<tr>
<td>II</td>
<td>2516</td>
<td>Generative Design Process - II</td>
<td>3</td>
<td>Krishna Shastri / Jwalant Mahadevwala</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>II</td>
<td></td>
<td>Architecture, are eligible. This course is mandatory for MIAD/MIAD students registering for semester II.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>------------------------------</td>
<td>---------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>I</td>
<td>2023</td>
<td>Clay &amp; Ceramics</td>
<td>2</td>
<td>Snehal Kashikar</td>
</tr>
<tr>
<td>I</td>
<td>2024</td>
<td>Introduction to Art</td>
<td>2</td>
<td>Rajesh Sagara</td>
</tr>
<tr>
<td>I</td>
<td>2025</td>
<td>Digital Technology-I</td>
<td>2</td>
<td>Amal Shah</td>
</tr>
<tr>
<td>I</td>
<td>2026</td>
<td>Digital Technology-III</td>
<td>3</td>
<td>Jayant Khanuja</td>
</tr>
<tr>
<td>I</td>
<td>2027</td>
<td>Design Thinking-I</td>
<td>3</td>
<td>M P Ranjan</td>
</tr>
<tr>
<td>I</td>
<td>2028</td>
<td>Exploring Space-Sketching</td>
<td>2</td>
<td>Rajesh Sagara</td>
</tr>
<tr>
<td>I</td>
<td>2029</td>
<td>Kite Making</td>
<td>2</td>
<td>Niyati Patel</td>
</tr>
<tr>
<td>I</td>
<td>2030</td>
<td>Photography</td>
<td>2</td>
<td>Samir Pathak</td>
</tr>
<tr>
<td>I</td>
<td>2031</td>
<td>Fabricated Shadows</td>
<td>2</td>
<td>Walter D'Souza, Darshan Soni</td>
</tr>
<tr>
<td>I</td>
<td>2507</td>
<td>Cultural Anthropology</td>
<td>3</td>
<td>Seema Khanwalkar</td>
</tr>
<tr>
<td>I</td>
<td>2508</td>
<td>History of Arts and Crafts</td>
<td>2</td>
<td>Snehal Shah</td>
</tr>
<tr>
<td>I</td>
<td>2509</td>
<td>Design as Critical Inquiry</td>
<td>4</td>
<td>Jaimini Mehta</td>
</tr>
<tr>
<td>I</td>
<td>2510</td>
<td>Crafts Lab</td>
<td>3</td>
<td>Jwalant Mahadevvala</td>
</tr>
<tr>
<td>II</td>
<td>2052</td>
<td>Illusion and Reality: Drawing</td>
<td>2</td>
<td>Kireet Patel</td>
</tr>
<tr>
<td>II</td>
<td>2053</td>
<td>Digital Technology- II</td>
<td>2</td>
<td>Amal Shah</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------------------------------------------</td>
<td>---------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>II</td>
<td>2054</td>
<td>Sculpture</td>
<td>2</td>
<td>Rajesh Sagara</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2055</td>
<td>Materializing Forms</td>
<td>2</td>
<td>Vishal Wadhvani, Niyati Patel</td>
</tr>
<tr>
<td></td>
<td>2056</td>
<td>Made to Measure</td>
<td>2</td>
<td>Aditi Vashisht, Anuj Anjaria</td>
</tr>
<tr>
<td></td>
<td>2057</td>
<td>Write Here Write Now</td>
<td>2</td>
<td>Aditi Vashisht</td>
</tr>
<tr>
<td></td>
<td>2023</td>
<td>Clay &amp; Ceramics</td>
<td>2</td>
<td>Snehal Kashikar</td>
</tr>
<tr>
<td></td>
<td>2058</td>
<td>FabLab Bootcamp</td>
<td>3</td>
<td>Henry Skupniewicz</td>
</tr>
<tr>
<td></td>
<td>2517</td>
<td>A Concise History of Art</td>
<td>2</td>
<td>Esther David</td>
</tr>
<tr>
<td></td>
<td>2518</td>
<td>Architecture in Post-Independence India</td>
<td>2</td>
<td>Snehal Shah</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR(S)</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>---------------</td>
</tr>
<tr>
<td>II</td>
<td>2519</td>
<td>Design Thinking: Intentions to Value Creation</td>
<td>2</td>
<td>M P Ranjan</td>
</tr>
<tr>
<td>II</td>
<td>2520</td>
<td>Exploring Innovation Through Technology</td>
<td>2</td>
<td>Dinesh Korjan</td>
</tr>
</tbody>
</table>
# MANDATORY COURSES

## POSTGRADUATE PROGRAM IN HABITAT MANAGEMENT

### SPRING SEMESTER - 2013-14

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE NAME</th>
<th>CREDITS</th>
<th>INSTRUCTOR/S</th>
<th>PREREQUISITE</th>
<th>TIME</th>
<th>DAYS</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>3006</td>
<td>Practical Governmental Ethics</td>
<td>1</td>
<td>Scot Wrighton</td>
<td>Sem II MHM students only</td>
<td>18.30-19.30</td>
<td>Wednesday, Friday (29th &amp; 31st Jan, 5th &amp; 7th Feb)</td>
<td>Management</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-----------------------------------</td>
<td>---------</td>
<td>----------------</td>
<td>--------------</td>
<td>----------------</td>
<td>-----------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>I</td>
<td>3005</td>
<td>Effective Communication - I</td>
<td>2</td>
<td>Azhar Tyabi</td>
<td>NA FOR THIS SEMESTER</td>
<td>16.30-18.30</td>
<td>Wednesday</td>
<td>Language and Communication</td>
</tr>
<tr>
<td>II</td>
<td>3011</td>
<td>Marketing in Urban Markets</td>
<td>2</td>
<td>Mercy Samuel</td>
<td>Open to all</td>
<td>16.30-18.30</td>
<td>Wednesday</td>
<td>Management</td>
</tr>
<tr>
<td></td>
<td>3012</td>
<td>Financial Accounting</td>
<td>2</td>
<td>Rajnikant Trivedi</td>
<td>Open to all</td>
<td>16.30-18.30</td>
<td>Friday</td>
<td>Management</td>
</tr>
<tr>
<td></td>
<td>3013</td>
<td>Business Skill Development</td>
<td>2</td>
<td>Jayshree Rammohan</td>
<td>Only PG Students</td>
<td>08.30-10.30, 08.30-10.30</td>
<td>Monday, Wednesday</td>
<td>Management</td>
</tr>
<tr>
<td></td>
<td>3014</td>
<td>Urban Economics</td>
<td>2</td>
<td>Shreekant Iyengar</td>
<td>Open to all</td>
<td>08.30-10.30</td>
<td>Tuesday</td>
<td>Management</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>--------------------------</td>
<td>---------------</td>
<td>-------------------</td>
<td>------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>I</td>
<td>4000</td>
<td>Visual Communication and Graphic Techniques</td>
<td>3</td>
<td>Yogesh Gandevikar, B. Sachdeva</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Visual Communication and Performing Arts, Technical Drawing and Visualization</td>
</tr>
<tr>
<td></td>
<td>4001</td>
<td>Surveying, Levelling, Mapping</td>
<td>2</td>
<td>Komal Parikh</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Technical Drawing and Visualization</td>
</tr>
<tr>
<td></td>
<td>4002</td>
<td>GIS – 1</td>
<td>2</td>
<td>Nitika Bakuni</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Computer Application and Programming</td>
</tr>
<tr>
<td></td>
<td>4003</td>
<td>Communication Skills (Written and Spoken)</td>
<td>2</td>
<td>Devashish Ganguly</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Language and Communication</td>
</tr>
<tr>
<td></td>
<td>4004</td>
<td>Perception &amp; Visualization Lab – Urban</td>
<td>6</td>
<td>Yogesh Gandevikar, B. Sachdeva, Charanjeet Singh</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Studio</td>
</tr>
<tr>
<td>II</td>
<td>4015</td>
<td>Introduction to Civil &amp; Structural Engineering</td>
<td>2</td>
<td>Anil Sheth</td>
<td>Open to all</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>Technology</td>
</tr>
<tr>
<td></td>
<td>4016</td>
<td>Culture and Climate in Built Environment</td>
<td>2</td>
<td>Melissa Smith</td>
<td>Open to all</td>
<td>14.30-16.30</td>
<td>Wednesday</td>
<td>Environment</td>
</tr>
<tr>
<td></td>
<td>4017</td>
<td>Introduction to Settlement Planning</td>
<td>2</td>
<td>Vishal Dubeys, Ajay Katuri</td>
<td>Open to all</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td></td>
<td>4018</td>
<td>GIS - 2</td>
<td>3</td>
<td>Anjana Vyas</td>
<td>GIS-1</td>
<td>14.30-17.30</td>
<td>Tuesday</td>
<td>Computer Application and Programming</td>
</tr>
<tr>
<td>III</td>
<td>4005</td>
<td>Urban History - 1</td>
<td>2</td>
<td>Rutul Joshi, Renu Desai</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td></td>
<td>4006</td>
<td>Statistics – 1</td>
<td>3</td>
<td>Kiran Ega</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Science and Mathematics</td>
</tr>
<tr>
<td></td>
<td>4007</td>
<td>Demography and Data Systems</td>
<td>2</td>
<td>Vishal Dubey</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Economics and Development</td>
</tr>
<tr>
<td></td>
<td>4008</td>
<td>Neighbourhood Lab</td>
<td>6</td>
<td>Yatin Pandya, Jaidatt Vaishnav, 2VF</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Studio</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------------------------------------------------</td>
<td>---------</td>
<td>-------------------------------</td>
<td>-----------------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>IV</td>
<td>4002</td>
<td>GIS 1</td>
<td>2</td>
<td>Nitika Bakuni</td>
<td></td>
<td></td>
<td></td>
<td>Computer Application and Programming</td>
</tr>
<tr>
<td></td>
<td>4020</td>
<td>Urban History - 2</td>
<td>2</td>
<td>Rutul Joshi, Renu Desai</td>
<td>Open to all</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td></td>
<td>4021</td>
<td>Statistics - 2 (with integration of spatial)</td>
<td>2</td>
<td>Ami Divetiya</td>
<td>Statistics-1</td>
<td>08.30-10.30</td>
<td>Monday</td>
<td>Science and Mathematics</td>
</tr>
<tr>
<td></td>
<td>4022</td>
<td>Urban Infrastructure (Planning and Design)</td>
<td>2</td>
<td>Saswat Bandyopadhyay, Mona Iyer, Subhrangsu Goswami</td>
<td>Open to all</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td>Infrastructure, Urban and Regional Planning</td>
</tr>
<tr>
<td></td>
<td>4018</td>
<td>GIS 2</td>
<td>3</td>
<td>Anjana Vyas</td>
<td>GIS-1</td>
<td>14.30-17.30</td>
<td>Tuesday</td>
<td>Computer Application and Programming</td>
</tr>
<tr>
<td></td>
<td>4023</td>
<td>Infrastructure Planning Lab</td>
<td>6</td>
<td>Neeru Bansal, Subhrangsu Goswami, 2 VFs</td>
<td>Only for B Plan</td>
<td>10.30-13.30, 10.30-13.30, 10.30-13.30</td>
<td>Monday, Wednesday, Friday</td>
<td>Studio</td>
</tr>
<tr>
<td>V</td>
<td>4009</td>
<td>Economics – 1</td>
<td>2</td>
<td>Anurima Basu Mukherjee</td>
<td></td>
<td></td>
<td></td>
<td>Economics and Development</td>
</tr>
<tr>
<td></td>
<td>4010</td>
<td>Spatial Planning and Environmental Design</td>
<td>2</td>
<td>To be decided</td>
<td></td>
<td></td>
<td></td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td></td>
<td>4011</td>
<td>Area Planning Lab</td>
<td>6</td>
<td>Rutool Sharma, Brijesh Bhatt, 2VF</td>
<td></td>
<td></td>
<td></td>
<td>Studio</td>
</tr>
<tr>
<td></td>
<td>4012</td>
<td>Urban Infrastructure (Planning And Design) II</td>
<td>2</td>
<td>Mona Iyer, Saswat Banhopadhyay</td>
<td></td>
<td></td>
<td></td>
<td>Technology, History, Theory and Criticism</td>
</tr>
<tr>
<td></td>
<td>4013</td>
<td>Advanced GIS</td>
<td>3</td>
<td>Anjana Vyas</td>
<td></td>
<td></td>
<td></td>
<td>Computer Application and Programming</td>
</tr>
<tr>
<td>VI</td>
<td>4024</td>
<td>Planning Theory - 2 (Urbanization Theories, &amp; Planning Processes)</td>
<td>2</td>
<td>Anil Roy</td>
<td>B Plan students + 10 additional students</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td></td>
<td>4025</td>
<td>Economics - 2 (Macro Economics, Public Finance, Development Theories)</td>
<td>2</td>
<td>R. Parthasarathy, Shreekant Iyengar</td>
<td>B Plan students + 10 additional students</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Economics and Development</td>
</tr>
<tr>
<td></td>
<td>4026</td>
<td>Urban Renewal and Conservation</td>
<td>2</td>
<td>Anjali Kadam</td>
<td>Only for B Plan</td>
<td>08.30-10.30</td>
<td>Tuesday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td></td>
<td>4027</td>
<td>Urban Governance and Planning</td>
<td>2</td>
<td>Shrawan Acharya</td>
<td>Only for B Plan</td>
<td>14.30-16.30</td>
<td>Wednesday</td>
<td>Urban and Regional Planning, History, Theory and Criticism</td>
</tr>
</tbody>
</table>

**Area of Study:**
- Computer Application and Programming
- History, Theory and Criticism
- Science and Mathematics
- Infrastructure, Urban and Regional Planning
- Studio
- Technology, History, Theory and Criticism
- Economics and Development
<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE NAME</th>
<th>CREDITS</th>
<th>INSTRUCTOR/S</th>
<th>PREREQUISITE</th>
<th>TIME</th>
<th>DAYS</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>VI</td>
<td>4028</td>
<td>Project Formulation, Appraisal and Management</td>
<td>2</td>
<td>Mona Iyer</td>
<td>Only for B Plan</td>
<td>14.30-16.30</td>
<td>Tuesday</td>
<td>Management</td>
</tr>
<tr>
<td></td>
<td>4029</td>
<td>Landscape Planning &amp; Design</td>
<td>2</td>
<td>Deepa Maheshwari</td>
<td>B Plan Students + UG 3rd year onwards</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td>Landscape</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------------------------------------------</td>
<td>---------</td>
<td>------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>---------------</td>
<td>------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>I</td>
<td>4500</td>
<td>Area Planning Laboratory</td>
<td>8</td>
<td>Bimal Patel, C.N. Ray, Talat Munshi, Rutul Joshi, Subhransu Goswamy, Manjiri Akalkotkar, Visiting Faculty</td>
<td>NA FOR THIS SEMESTER</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>Studio</td>
</tr>
<tr>
<td></td>
<td>4501</td>
<td>People Culture Society</td>
<td>1</td>
<td>C.N. Ray</td>
<td>NA FOR THIS SEMESTER</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>Economics and Development</td>
</tr>
<tr>
<td></td>
<td>4502</td>
<td>Economics for Planners</td>
<td>2</td>
<td>R. Parthasarathy, Anurima Basu Mukherjee, Vishal Dubey</td>
<td>NA FOR THIS SEMESTER</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>Economics and Development</td>
</tr>
<tr>
<td></td>
<td>4503</td>
<td>Quantitative and Qualitative Methods</td>
<td>3</td>
<td>C.N. Ray, Talat Munshi</td>
<td>NA FOR THIS SEMESTER</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>Research</td>
</tr>
<tr>
<td></td>
<td>4504</td>
<td>G.I.S. for Planners</td>
<td>2</td>
<td>Anjana Vyas</td>
<td>NA FOR THIS SEMESTER</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>Computer Application and Programming</td>
</tr>
<tr>
<td></td>
<td>4505</td>
<td>History and Theory of Planning</td>
<td>3</td>
<td>Shrawan Kumar, Acharya, Darshini Mahadev</td>
<td>NA FOR THIS SEMESTER</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>History, Theory and Criticism</td>
</tr>
<tr>
<td>II</td>
<td>4506</td>
<td>Built Environment and Land Use Planning</td>
<td>2</td>
<td>Sejal Patel, Rutul Joshi</td>
<td>Open to all PG students</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>Urban and Regional Planning, Housing</td>
</tr>
<tr>
<td></td>
<td>4507</td>
<td>Financing Urban Development</td>
<td>2</td>
<td>Mona Iyer, Dinesh Mehta, Meera Mehta</td>
<td>Open to all PG students</td>
<td>14.30-17.30</td>
<td>Thursday</td>
<td>Urban and Regional Planning, Economics and Development</td>
</tr>
<tr>
<td></td>
<td>4508</td>
<td>Fundamentals of Housing</td>
<td>2</td>
<td>Ajay Katuri</td>
<td>Open to all PG students</td>
<td>16.30-18.30</td>
<td>Tuesday</td>
<td>Housing, Urban and Regional Planning</td>
</tr>
<tr>
<td></td>
<td>4509</td>
<td>Infrastructure Sub-Systems</td>
<td>2</td>
<td>Neeru Bansal, Saswat Bandypadhyay, VF</td>
<td>Open to all PG students</td>
<td>16.30-18.30</td>
<td>Tuesday</td>
<td>Infrastructure, Urban and Regional Planning</td>
</tr>
<tr>
<td></td>
<td>4510</td>
<td>Introduction to Environmental Planning</td>
<td>2</td>
<td>Ashwani Kumar, Rutool Sharma</td>
<td>Open to all PG students</td>
<td>16.30-18.30</td>
<td>Tuesday</td>
<td>Environment, Urban and Regional Planning</td>
</tr>
<tr>
<td>Course Code</td>
<td>Title</td>
<td>Credits</td>
<td>Instructor(s)</td>
<td>Access</td>
<td>Time</td>
<td>Day(s)</td>
<td>Department</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
<td>---------</td>
<td>------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
<td>---------------</td>
<td>-------------------------</td>
<td>-------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>4511</td>
<td>Land Development and Management Practices</td>
<td>2</td>
<td>Madhu Bharti</td>
<td>Open to all PG students</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td>Housing, Urban and Regional Planning</td>
<td></td>
</tr>
<tr>
<td>4512</td>
<td>Natural Resource Management</td>
<td>2</td>
<td>R.Parthasarathy</td>
<td>Open to all PG students</td>
<td>08.30-10.30</td>
<td>Friday</td>
<td>Environment, Management</td>
<td></td>
</tr>
<tr>
<td>4513</td>
<td>Urban and Regional Infrastructure Planning</td>
<td>2</td>
<td>Saswat Bandyopadhyay, Subhrangsu Goswami</td>
<td>Open to all PG students</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Infrastructure, Urban and Regional Planning</td>
<td></td>
</tr>
<tr>
<td>4514</td>
<td>Urban Transport Infrastructure</td>
<td>2</td>
<td>Saswat Bandyopadhyay, Taat Munshi, VF</td>
<td>Open to all PG students</td>
<td>14.30-16.30</td>
<td>Tuesday</td>
<td>Infrastructure, Transport</td>
<td></td>
</tr>
<tr>
<td>4515</td>
<td>Urban Transport Planning</td>
<td>2</td>
<td>Talat Munshi, Rutul Joshi</td>
<td>Open to all PG students</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Transport, Urban and Regional Planning</td>
<td></td>
</tr>
<tr>
<td>4516</td>
<td>Public Transport Planning</td>
<td>2</td>
<td>Manjini Akalkotkar</td>
<td>Open to all PG students</td>
<td>14.30-16.30</td>
<td>Friday</td>
<td>Transport, Urban and Regional Planning</td>
<td></td>
</tr>
<tr>
<td>4517</td>
<td>Transport Infrastructure Planning and Design</td>
<td>2</td>
<td>Abhijit Loke</td>
<td>Open to all PG students</td>
<td>08.30-10.30</td>
<td>Tuesday</td>
<td>Transport, Technology</td>
<td></td>
</tr>
<tr>
<td>4518</td>
<td>Transport Planning &amp; Modeling</td>
<td>2</td>
<td>Shalini Sinha</td>
<td>Open to all PG students</td>
<td>16.30-18.30</td>
<td>Monday</td>
<td>Transport, Urban and Regional Planning</td>
<td></td>
</tr>
<tr>
<td>4519</td>
<td>City Infrastructure Prioritization Studio</td>
<td>8</td>
<td>Saswat Bandyopadhyay</td>
<td>Open to all M.Plan students</td>
<td>10.30-13.30, 10.30-13.30, 10.30-13.30, 10.30-13.30</td>
<td>Monday, Wednesday, Thursday, Friday</td>
<td>Studio</td>
<td></td>
</tr>
<tr>
<td>4520</td>
<td>Environmental Planning Studio</td>
<td>8</td>
<td>Ashwani Kumar</td>
<td>Open to all M.Plan students</td>
<td>10.30-13.30, 10.30-13.30, 10.30-13.30, 10.30-13.30</td>
<td>Monday, Wednesday, Thursday, Friday</td>
<td>Studio</td>
<td></td>
</tr>
<tr>
<td>4521</td>
<td>Strategic Transportation Plan for a city</td>
<td>8</td>
<td>Shalini Sinha, Nitika Bhakuni</td>
<td>Open to all M.Plan students</td>
<td>10.30-13.30, 10.30-13.30, 10.30-13.30, 10.30-13.30</td>
<td>Monday, Wednesday, Thursday, Friday</td>
<td>Studio</td>
<td></td>
</tr>
<tr>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTORS</td>
<td>PREREQUISITE</td>
<td>AREA</td>
<td>SEMESTER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>-------------</td>
<td>--------------</td>
<td>------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4014</td>
<td>Mass Housing Issues &amp; Approaches</td>
<td>2</td>
<td>Yatin Pandya, Sejal Patel</td>
<td>NA FOR THIS SEMESTER</td>
<td>History, Theory and Criticism</td>
<td>I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4032</td>
<td>Introduction to GIS Science and its Common Applications</td>
<td>2</td>
<td>Sagar Shroff, Rahul Singh, Aniket Navalkar</td>
<td>only for B Plan (all should have Laptops)</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4033</td>
<td>CAD</td>
<td>2</td>
<td>Jayesh Gohil</td>
<td>Open to all</td>
<td>Visual Communication and Performing Arts</td>
<td>I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4034</td>
<td>Space &amp; Experience</td>
<td>2</td>
<td>Sangita Shroff, Rahul Singh</td>
<td>Open to all</td>
<td>Visual Communication and Performing Arts</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4035</td>
<td>Introduction to Climate Change</td>
<td>2</td>
<td>Ashwani Kumar, Minal Parkh</td>
<td>Open to all</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4036</td>
<td>English Communication</td>
<td>2</td>
<td>Devashish Ganguly</td>
<td>Open to all</td>
<td>Language and Communication</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4037</td>
<td>English Communication</td>
<td>2</td>
<td>Devashish Ganguly</td>
<td>Open to all</td>
<td>Language and Communication</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4038</td>
<td>Introduction to Climate Change</td>
<td>2</td>
<td>Ashwani Kumar, Minal Parkh</td>
<td>Open to all</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4039</td>
<td>Introduction to Climate Change</td>
<td>2</td>
<td>Ashwani Kumar, Minal Parkh</td>
<td>Open to all</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4040</td>
<td>Introduction to Climate Change</td>
<td>2</td>
<td>Ashwani Kumar, Minal Parkh</td>
<td>Open to all</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4041</td>
<td>Mass Housing Issues &amp; Approaches</td>
<td>2</td>
<td>Yatin Pandya, Sejal Patel</td>
<td>NA FOR THIS SEMESTER</td>
<td>History, Theory and Criticism</td>
<td>I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4042</td>
<td>Introduction to GIS Science and its Common Applications</td>
<td>2</td>
<td>Sagar Shroff, Rahul Singh, Aniket Navalkar</td>
<td>only for B Plan (all should have Laptops)</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4043</td>
<td>CAD</td>
<td>2</td>
<td>Jayesh Gohil</td>
<td>Open to all</td>
<td>Visual Communication and Performing Arts</td>
<td>I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4044</td>
<td>Space &amp; Experience</td>
<td>2</td>
<td>Sangita Shroff, Rahul Singh</td>
<td>Open to all</td>
<td>Visual Communication and Performing Arts</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4045</td>
<td>Introduction to Climate Change</td>
<td>2</td>
<td>Ashwani Kumar, Minal Parkh</td>
<td>Open to all</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4046</td>
<td>English Communication</td>
<td>2</td>
<td>Devashish Ganguly</td>
<td>Open to all</td>
<td>Language and Communication</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4047</td>
<td>English Communication</td>
<td>2</td>
<td>Devashish Ganguly</td>
<td>Open to all</td>
<td>Language and Communication</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4048</td>
<td>Introduction to Climate Change</td>
<td>2</td>
<td>Ashwani Kumar, Minal Parkh</td>
<td>Open to all</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4049</td>
<td>Introduction to Climate Change</td>
<td>2</td>
<td>Ashwani Kumar, Minal Parkh</td>
<td>Open to all</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4050</td>
<td>Introduction to Climate Change</td>
<td>2</td>
<td>Ashwani Kumar, Minal Parkh</td>
<td>Open to all</td>
<td>Computer Application and Programming</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4523</td>
<td>Disaster Management</td>
<td>2</td>
<td>Neha Shah, Kabir Thakore</td>
<td>Open to all PG students and sixth semester B Plan students</td>
<td>Environment and Regional Planning, Management</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4524</td>
<td>Environmental Infrastructure</td>
<td>2</td>
<td>Ashwani Kumar, Mona Iyer</td>
<td>Open to all PG students</td>
<td>Environment, Economics and Development</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4525</td>
<td>Environmental Legislation, Administration and Governance</td>
<td>2</td>
<td>C.N. Ray</td>
<td>Open to all PG students</td>
<td>Environment, Economics and Development</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4526</td>
<td>Multi Hazard Risk Assessment</td>
<td>2</td>
<td>Pratul Ahuja</td>
<td>Open to all PG students</td>
<td>Environment and Regional Planning, Management</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4527</td>
<td>Settlements in Transition: Rural-Urban Interactions</td>
<td>2</td>
<td>Ajay Koturi</td>
<td>Open to all PG students</td>
<td>Environment and Regional Planning, Management</td>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4528</td>
<td>Settlements in Transition: Rural-Urban Interactions</td>
<td>2</td>
<td>Pratul Ahuja</td>
<td>Open to all PG students</td>
<td>Environment and Regional Planning, Management</td>
<td>II</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Semester 1:**
- Elective Courses in the Faculty of Planning for the Spring Semester 2013-14.
- Columns include Course Code, Course Name, Credits, Instructors, Prerequisite, Time, Days, and Area.
- Courses span across various areas including History, Theory and Criticism, Computer Application and Programming, Language and Communication, and Environment, among others.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Days and Times</th>
<th>Open to</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>4529</td>
<td>Social and Inclusive Infrastructure and Development Projects</td>
<td>2</td>
<td>Basu C.N. Roy, Anil Kumar Roy</td>
<td>Wednesday 16.30-18.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>4530</td>
<td>Environmental &amp; Social Safeguards in Infrastructure and Development Projects</td>
<td>2</td>
<td>Subrata Acharya, Subhrajit Goswami</td>
<td>Wednesday 16.30-18.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>4531</td>
<td>Industrial Economics</td>
<td>2</td>
<td>R. Parthasarathy</td>
<td>Wednesday 16.30-18.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>4532</td>
<td>Industrial Infrastructure and Risk Management</td>
<td>2</td>
<td>Neenu Bansai</td>
<td>Wednesday 16.30-18.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>4533</td>
<td>Industrial Vulnerability and Risk Management</td>
<td>2</td>
<td>Ajay Katuri</td>
<td>Wednesday 16.30-18.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>4534</td>
<td>Regional Industrial Planning: Theories, Policies and Practices</td>
<td>2</td>
<td>Anil Kumar Roy</td>
<td>Friday 14.30-16.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>4535</td>
<td>Sustainable Urban Transport</td>
<td>2</td>
<td>Nitika Bhakuni</td>
<td>Wednesday 14.30-16.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>4536</td>
<td>Development Innovations</td>
<td>2</td>
<td>Dinesh Mehta, Meera Mehta</td>
<td>Wednesday 14.30-16.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>4537</td>
<td>Gender and Development</td>
<td>2</td>
<td>Aka Parikh</td>
<td>Friday 16.30-18.30</td>
<td>Open to all PG students</td>
<td>Urban and Regional Planning, Infrastructure, Environment and Development, Theory and Criticism</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-----------------------------------</td>
<td>---------</td>
<td>-----------------------------------</td>
<td>---------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>I</td>
<td>5000</td>
<td>Engineering Material – I Theory</td>
<td>3</td>
<td>Anal Sheth,</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5001</td>
<td>Engineering Material – I Lab</td>
<td>2</td>
<td>Pavni Pandya</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5002</td>
<td>Engineering Drawing</td>
<td>4</td>
<td>Bhushan Sachdeva, Yogesh Gandevikar &amp; Nachiket Shelat</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5003</td>
<td>Environmental Science</td>
<td>2</td>
<td>Dipsha Shah</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5004</td>
<td>Mathematics</td>
<td>3</td>
<td>Pradeep Jha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>5038</td>
<td>Engineering Material – II Theory</td>
<td>2</td>
<td>Anal Sheth</td>
<td>Any 1st year UG students</td>
<td>08.30-10.30</td>
</tr>
<tr>
<td></td>
<td>5041</td>
<td>Surveying &amp; Leveling Theory</td>
<td>3</td>
<td>Komal Parikh</td>
<td>Any 1st year UG students</td>
<td>14.30-16.30, 14.30-15.30</td>
</tr>
<tr>
<td></td>
<td>5042</td>
<td>Surveying &amp; Leveling Lab</td>
<td>2</td>
<td>Komal Parikh</td>
<td>Registration in Surveying Leveling Theory course</td>
<td>08.30-10.30, 08.30-10.30</td>
</tr>
<tr>
<td></td>
<td>5043</td>
<td>Applied Science</td>
<td>4</td>
<td>V.P.Patel, J.J.Vora, G.M.Chippa</td>
<td>Any 1st Year UG Students</td>
<td>10.30-13.30, 10.30-13.30, 16.30-18.30 (Friday Lab)</td>
</tr>
<tr>
<td>III</td>
<td>5005</td>
<td>Basic Geotechnical Engineering Theory</td>
<td>3</td>
<td>Komal Parikh, Pavni Pandya</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5006</td>
<td>Basic Geotechnical Engineering Lab</td>
<td>2</td>
<td>Bhargav Tewar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>----------------------------------</td>
<td>---------</td>
<td>----------------------------------</td>
<td>------------------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>III</td>
<td>5007</td>
<td>Structural Analysis – I</td>
<td>2</td>
<td>Komal Parikh, Anal Sheth</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5008</td>
<td>Construction Technology – I</td>
<td>3</td>
<td>Reshma Shah</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5010</td>
<td>Building Services (Plumbing)</td>
<td>3</td>
<td>Dipsha Shah</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5044</td>
<td>Hydraulics and Fluid Mechanics Theory</td>
<td>2</td>
<td>Dipsha Shah</td>
<td>Students of Technology</td>
<td>14.30-16.30</td>
</tr>
<tr>
<td></td>
<td>5045</td>
<td>Hydraulics and Fluid Mechanics Lab</td>
<td>1</td>
<td>Dipsha Shah</td>
<td>Registration in Hydraulics and Fluid Mechanics Theory</td>
<td>14.30-16.30, 14.30-16.30</td>
</tr>
<tr>
<td></td>
<td>5047</td>
<td>Construction Technology – II</td>
<td>3</td>
<td>Reshma Shah, Pavni Pandya</td>
<td>Students of 2nd year from any Faculty.</td>
<td>10.30-13.30, 14.30-15.30</td>
</tr>
<tr>
<td></td>
<td>5048</td>
<td>Building Construction Drawing – II</td>
<td>2</td>
<td>Pavni Pandya, Yogesh Gandevikar</td>
<td>UG students who have completed any basic drawing course</td>
<td>08.30-10.30, 08.30-10.30</td>
</tr>
<tr>
<td></td>
<td>5049</td>
<td>Field Studies</td>
<td>3</td>
<td>Devanshu Pandit, Bhargav Tewar, Ajay Patel</td>
<td>Those who have completed Building Construction Course</td>
<td>08.30-10.30, 08.30-10.30, 08.30 onwards</td>
</tr>
<tr>
<td>IV</td>
<td>5011</td>
<td>Construction Technology – III</td>
<td>2</td>
<td>S. P. Sapre</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5012</td>
<td>Structural Analysis – III</td>
<td>4</td>
<td>Komal Parikh, Parth Thaker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>5011</td>
<td>Construction Technology – III</td>
<td>2</td>
<td>S. P. Sapre</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5012</td>
<td>Structural Analysis – III</td>
<td>4</td>
<td>Komal Parikh, Parth Thaker</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NA FOR THIS SEMESTER**
<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE NAME</th>
<th>CREDITS</th>
<th>INSTRUCTORS</th>
<th>AREA</th>
<th>PREREQUISITE</th>
<th>TIME</th>
<th>DAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>5013</td>
<td>Quantity Surveying &amp; Specifications</td>
<td>2</td>
<td>Bhargav Tewar</td>
<td>Management Practice, Technology, Services</td>
<td>Clearance of Quantity Surveying &amp; Specifications</td>
<td>Monday, Friday, Tuesday, Thursday</td>
<td>10.30-13.30, 10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>5014</td>
<td>Concrete Technology Theory</td>
<td>3</td>
<td>Dipsa Shah</td>
<td>Technology</td>
<td>Clearance of Structural Analysis, Field Studies &amp; Quantity Specifications</td>
<td>Monday, Wednesday, Thursday</td>
<td>10.30-13.30, 10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>5015</td>
<td>Concrete Technology Lab</td>
<td>2</td>
<td>Parth Thaker</td>
<td>Technology</td>
<td>3rd year students of any Faculty are eligible</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-16.30, 08.30-10.30</td>
</tr>
<tr>
<td></td>
<td>5016</td>
<td>Design of Steel Structures</td>
<td>4</td>
<td>Bhargav Tewar</td>
<td>Technology</td>
<td>3rd year students of any Faculty are eligible</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-15.30, 10.30-13.00</td>
</tr>
<tr>
<td></td>
<td>5018</td>
<td>Construction Technology IV</td>
<td>3</td>
<td>S. P. Sare</td>
<td>Technology</td>
<td>Semester Field Studies &amp; Quantity Specifications</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-16.30, 10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>5019</td>
<td>Highway Engineering Theory</td>
<td>3</td>
<td>Anal Sheth</td>
<td>Technology</td>
<td>3rd year students of any Faculty are eligible</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-16.30, 10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>5020</td>
<td>Highway Engineering Lab</td>
<td>1</td>
<td>Pavne Pandya</td>
<td>Technology</td>
<td>3rd year students of any Faculty are eligible</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-16.30, 10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>5021</td>
<td>Engineering Economics</td>
<td>3</td>
<td>Rajesh Matta</td>
<td>Technology, Services and Advance Technology</td>
<td>3rd year students of any Faculty are eligible</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-16.30, 10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>5022</td>
<td>Project Management</td>
<td>3</td>
<td>Devanshu Pandit, Shridip Shah</td>
<td>Technology</td>
<td>3rd year students of any Faculty are eligible</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-16.30, 10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>5023</td>
<td>Design Of R.C.C. Structure</td>
<td>4</td>
<td>Anal Sheth, Parth Thaker</td>
<td>Technology</td>
<td>3rd year students of any Faculty are eligible</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-16.30, 10.30-13.30</td>
</tr>
<tr>
<td></td>
<td>5024</td>
<td>Structural Failures, Repairs &amp; Rehabilitation Theory</td>
<td>3</td>
<td>Pavne Pandya</td>
<td>Technology</td>
<td>3rd year students of any Faculty are eligible</td>
<td>Monday, Wednesday, Thursday</td>
<td>14.30-16.30, 10.30-13.30</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>------------------------------------</td>
<td>---------</td>
<td>--------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>------</td>
<td>------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>5022</td>
<td>Structural Failures, Repairs &amp;</td>
<td>1</td>
<td>Pavni Pandya</td>
<td></td>
<td></td>
<td></td>
<td>Technology, Services and Advance Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rehabilitation Lab</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5055</td>
<td>Project Training</td>
<td>20</td>
<td>3 to 4 Core Faculty Members</td>
<td>1) For 2012 &amp; 2013 batch - Students who have cleared 95 core credits and clearance of Field Study, Quantity Surveying-I (2) For 2011 batch - Students who have cleared 95 core credits and clearance of Field Study, Quantity Surveying-I (3) For 2010 batch</td>
<td></td>
<td></td>
<td>Practice</td>
</tr>
<tr>
<td>VIII</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IX</td>
<td>5023</td>
<td>Professional Practice for Engineers</td>
<td>3</td>
<td>Devanshu Pandit</td>
<td></td>
<td></td>
<td></td>
<td>Practice</td>
</tr>
<tr>
<td></td>
<td>5024</td>
<td>Project</td>
<td>4</td>
<td>Reshma Shah</td>
<td></td>
<td></td>
<td></td>
<td>Practice</td>
</tr>
<tr>
<td></td>
<td>5025</td>
<td>Research Methodology</td>
<td>2</td>
<td>C. B. Shah</td>
<td></td>
<td></td>
<td></td>
<td>Research</td>
</tr>
<tr>
<td></td>
<td>5026</td>
<td>Bridge Engineering</td>
<td>3</td>
<td>Jitubhai Patel</td>
<td></td>
<td></td>
<td></td>
<td>Technology, Services and Advance Technology</td>
</tr>
<tr>
<td></td>
<td>5027</td>
<td>Earth Quake Resistant Design &amp;</td>
<td>3</td>
<td>Parth Thaker</td>
<td></td>
<td></td>
<td></td>
<td>Technology, Services and Advance Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>5056</td>
<td>Thesis</td>
<td>15</td>
<td>C. B. Shah</td>
<td>2012-2013 batch - Students who have cleared 120 core credits.</td>
<td></td>
<td></td>
<td>Research</td>
</tr>
</tbody>
</table>

NA FOR THIS SEMESTER
<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE NAME</th>
<th>CREDITS</th>
<th>INSTRUCTOR/S</th>
<th>PREREQUISITE</th>
<th>TIME</th>
<th>DAYS</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>5500</td>
<td>Construction Management - I</td>
<td>4</td>
<td>P.V.Akalkotkar, Jyoti Trivedi</td>
<td></td>
<td>14.30-16.30</td>
<td>Friday</td>
<td>Studio, Practice</td>
</tr>
<tr>
<td></td>
<td>5501</td>
<td>Construction Finance &amp; Accounting System</td>
<td>3</td>
<td>D.R.Patel</td>
<td></td>
<td></td>
<td></td>
<td>Practice</td>
</tr>
<tr>
<td></td>
<td>5502</td>
<td>Advance Construction Practices</td>
<td>3</td>
<td>S.P.Sapre, Jyoti Trivedi</td>
<td></td>
<td></td>
<td></td>
<td>Technology</td>
</tr>
<tr>
<td></td>
<td>5503</td>
<td>Research Methodology</td>
<td>3</td>
<td>Rohit Trivedi, Anuj Bawa</td>
<td></td>
<td></td>
<td></td>
<td>Research</td>
</tr>
<tr>
<td></td>
<td>5504</td>
<td>Quantitative Techniques</td>
<td>2</td>
<td>P.V.Akalkotkar, Maulik Desai</td>
<td></td>
<td></td>
<td></td>
<td>Research</td>
</tr>
<tr>
<td>II</td>
<td>5532</td>
<td>Independent Study-I</td>
<td>3</td>
<td>P.V.Akalkotkar, Jyoti Trivedi</td>
<td>Research Methodology, Mandatory for PG CEM. PG students only</td>
<td>14.30-16.30</td>
<td>Friday</td>
<td>Research</td>
</tr>
<tr>
<td></td>
<td>5533</td>
<td>Construction Contracts</td>
<td>3</td>
<td>P.V.Akalkotkar, B.J.Vasavda</td>
<td>None. Mandatory for PG CEM. PG students only</td>
<td>08.30-10.30, 08.30-10.30</td>
<td>Monday, Thursday</td>
<td>Practice</td>
</tr>
<tr>
<td></td>
<td>5534</td>
<td>Engineering Economics</td>
<td>3</td>
<td>P.V.Akalkotkar, Anuj Bawa</td>
<td>None. Mandatory for PG CEM. PG students only</td>
<td>14.30-16.30, 14.30-16.30</td>
<td>Monday, Tuesday</td>
<td>Economics and Development</td>
</tr>
<tr>
<td></td>
<td>5535</td>
<td>Value Engineering</td>
<td>2</td>
<td>Anuj Bawa</td>
<td>None. Mandatory for PG CEM. PG students only</td>
<td>08.30-10.30</td>
<td>Tuesday</td>
<td>Practice</td>
</tr>
<tr>
<td></td>
<td>5536</td>
<td>Construction Management-II</td>
<td>4</td>
<td>P.V.Akalkotkar, Jyoti Trivedi</td>
<td>Studio-I (CM-I), Mandatory for PG CEM. PG students only</td>
<td>10.30-13.30, 10.30-13.30</td>
<td>Monday, Wednesday</td>
<td>Practice, Studio</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------------------------------------------</td>
<td>---------</td>
<td>-------------------------------</td>
<td>--------------</td>
<td>--------------------</td>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>I</td>
<td>5507</td>
<td>Design of Reinforced Concrete Structures – I (SED)</td>
<td>2</td>
<td>Aanal Shah</td>
<td></td>
<td></td>
<td></td>
<td>Technology</td>
</tr>
<tr>
<td>I</td>
<td>5508</td>
<td>Design of Steel Structures – I (SED)</td>
<td>2</td>
<td>Dhara Shah</td>
<td></td>
<td></td>
<td></td>
<td>Technology</td>
</tr>
<tr>
<td>I</td>
<td>5509</td>
<td>Advanced Foundation Design and Geotechnics(SED)</td>
<td>2</td>
<td>Mihir Vora, Kandarp Thakar</td>
<td></td>
<td></td>
<td></td>
<td>Services and Advance Technology</td>
</tr>
<tr>
<td>I</td>
<td>5510</td>
<td>Studio I-Gravity Structures (SED)</td>
<td>4</td>
<td>Mehul Shah, Dhara Shah, Bhairav Patel</td>
<td></td>
<td></td>
<td></td>
<td>Studio</td>
</tr>
<tr>
<td>I</td>
<td>5511</td>
<td>Advanced Methods of Structural Analysis (SED)</td>
<td>2</td>
<td>Rupal Shah</td>
<td></td>
<td></td>
<td></td>
<td>Services and Advance Technology</td>
</tr>
<tr>
<td>I</td>
<td>5512</td>
<td>Construction Failures (SED)</td>
<td>3</td>
<td>R. J. Shah</td>
<td></td>
<td></td>
<td></td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5539</td>
<td>Design of Liquid Retaining Structures (SED)</td>
<td>3</td>
<td>Aanal Shah</td>
<td>PG students</td>
<td>12.30-13.30, 14.30-15.30</td>
<td>Thursday,</td>
<td>Advanced Technology</td>
</tr>
<tr>
<td>II</td>
<td>5540</td>
<td>Design of Reinforced Concrete Structures -II(SED)</td>
<td>2</td>
<td>Aanal Shah</td>
<td>PG students and final year UG students with knowledge of concrete design</td>
<td>14.30-16.30</td>
<td>Monday</td>
<td>Advanced Technology</td>
</tr>
<tr>
<td>II</td>
<td>5541</td>
<td>Design of Steel Structures –II (SED)</td>
<td>2</td>
<td>Dhara Shah</td>
<td>PG students and final year UG students</td>
<td>14.30-16.30</td>
<td>Tuesday</td>
<td>Advanced Technology</td>
</tr>
<tr>
<td>II</td>
<td>5542</td>
<td>Dynamics of Structures (SED)</td>
<td>2</td>
<td>Chaitanya Sanghvi</td>
<td>PG students</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Advanced Technology</td>
</tr>
<tr>
<td>II</td>
<td>5543</td>
<td>Seminar – I (SED)</td>
<td>2</td>
<td>Aanal Shah, Dhara Shah, V. R. Shah</td>
<td>None</td>
<td>14.30-16.30</td>
<td>Wednesday</td>
<td>Research</td>
</tr>
<tr>
<td>II</td>
<td>5544</td>
<td>Studio -II, Multi Storey Structures (SED)</td>
<td>4</td>
<td>Dhara Shah, Bhairav Patel, Mehul Shah</td>
<td>Studio - I (Gravity Structures) of PG SED</td>
<td>10.30-13.30, 10.30-13.30</td>
<td>Monday, Wednesday</td>
<td>Studio, Computer Application and Programming</td>
</tr>
</tbody>
</table>
# MANDATORY COURSES

## POSTGRADUATE PROGRAM IN ENGINEERING DESIGN

### SPRING SEMESTER - 2013-14

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE NAME</th>
<th>CREDITS</th>
<th>INSTRUCTOR/S</th>
<th>PREREQUISITE</th>
<th>TIME</th>
<th>DAYS</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>5516</td>
<td>Ward-level Infrastructure Design Studio (IED)</td>
<td>8</td>
<td>Tushar Bose</td>
<td></td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td>Studio</td>
</tr>
<tr>
<td>I</td>
<td>5517</td>
<td>Introduction to Urban Infrastructure Systems (IED)</td>
<td>2</td>
<td>Tushar Bose</td>
<td></td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td>Technology</td>
</tr>
<tr>
<td>I</td>
<td>5518</td>
<td>Quantitative Research Methods (IED)</td>
<td>2</td>
<td>Bhargav Adhvaryu</td>
<td></td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td>Research</td>
</tr>
<tr>
<td>I</td>
<td>5519</td>
<td>Economics and Finance (IED)</td>
<td>2</td>
<td>Shreekant Iyengar, Pramod Yadav</td>
<td></td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td>Economics and Development</td>
</tr>
<tr>
<td>II</td>
<td>5547</td>
<td>Advanced Material and Construction Technology (IED)</td>
<td>2</td>
<td>Jyoti Trivedi, S.P. Sapre</td>
<td>All PG</td>
<td>14.30-16.30</td>
<td>Thursday</td>
<td>Technology, Services and Advance Technology</td>
</tr>
<tr>
<td>II</td>
<td>5548</td>
<td>Traffic and Transport Engineering (IED)</td>
<td>2</td>
<td>Maulik Shah</td>
<td>PG FoT only</td>
<td>17.30-19.30</td>
<td>Tuesday</td>
<td>Transport, Technology</td>
</tr>
<tr>
<td>II</td>
<td>5549</td>
<td>Urban Information Systems (IED)</td>
<td>2</td>
<td>Charanjeet Singh</td>
<td>PG FoT only</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Computer Application and Programming, Technology</td>
</tr>
<tr>
<td>II</td>
<td>5550</td>
<td>Water Supply Engineering &amp; Design (IED)</td>
<td>2</td>
<td>Dipsha Shah</td>
<td>PG FoT only</td>
<td>14.30-16.30</td>
<td>Friday</td>
<td>Services and Advance Technology, Technology</td>
</tr>
<tr>
<td>II</td>
<td>5551</td>
<td>Infrastructure Design - City Level (IED)</td>
<td>8</td>
<td>Tushar Bose, Aasim Mansuri, Jaladhi Patel, Bhargav Adhvaryu</td>
<td>For MIED students only</td>
<td>10.30-13.30</td>
<td>Monday, Wednesday, Thursday, Friday</td>
<td>Studio</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/INSTRUCTORS</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>------------------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>I</td>
<td>5522</td>
<td>Cartography and Surveying for Geomatics</td>
<td>3</td>
<td>Nartan Rajpriya</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Technical Drawing and Visualization</td>
</tr>
<tr>
<td>I</td>
<td>5523</td>
<td>Optical Remote Sensing</td>
<td>2</td>
<td>S. S. Palsule</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Technical Drawing and Visualization, Computer Application and Programming</td>
</tr>
<tr>
<td>I</td>
<td>5524</td>
<td>Optical Remote Sensing</td>
<td>1</td>
<td>Hardik Acharya</td>
<td>NA FOR THIS SEMESTER</td>
<td></td>
<td></td>
<td>Technical Drawing and Visualization, Computer Application and Programming</td>
</tr>
<tr>
<td>I</td>
<td>5525</td>
<td>Introduction to Programming</td>
<td>2</td>
<td>Guneswar Anand</td>
<td>Basic knowledge of Remote Sensing</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Technology, Science and Mathematics</td>
</tr>
<tr>
<td>I</td>
<td>5526</td>
<td>Methodology of Geographical Information System</td>
<td>2</td>
<td>Bindi Shastri</td>
<td>Working knowledge of Remote Sensing; Programming</td>
<td>14.30-17.30</td>
<td>Tuesday</td>
<td>Computer Application and Programming, Technology</td>
</tr>
<tr>
<td>I</td>
<td>5527</td>
<td>Introduction to Geographical Information System</td>
<td>1</td>
<td>A. R. Dasgupta</td>
<td>Basic knowledge of Remote Sensing</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Technology, Science and Mathematics</td>
</tr>
<tr>
<td>I</td>
<td>5528</td>
<td>Mathematical Methods for Geomatics</td>
<td>2</td>
<td>Jimmy Shethna</td>
<td>Basic knowledge of programming; Working experience with Computer Application and Programming</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Technology, Science and Mathematics</td>
</tr>
<tr>
<td>I</td>
<td>5529</td>
<td>GIS Customization - I</td>
<td>3</td>
<td>Shaily Gandhi</td>
<td>Basic knowledge of Computer Application and Programming</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Technology, Science and Mathematics</td>
</tr>
<tr>
<td>II</td>
<td>5542</td>
<td>GIS Customization - II</td>
<td>3</td>
<td>Shaily Gandhi</td>
<td>Basic knowledge of Computer Application and Programming</td>
<td>08.30-10.30</td>
<td>Wednesday</td>
<td>Technology, Science and Mathematics</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>--------------</td>
<td>--------------</td>
<td>------------</td>
<td>-----------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>II</td>
<td>5556</td>
<td>Microwave Remote Sensing</td>
<td>1</td>
<td>Shiv Mohan</td>
<td>Knowledge of Fundamentals of Remote Sensing</td>
<td>17.30-18.30</td>
<td>Tuesday</td>
<td>Technology,Science and Mathematics</td>
</tr>
<tr>
<td></td>
<td>5557</td>
<td>Spatial Analysis and Modeling (Advance GIS)</td>
<td>1</td>
<td>A R Dasgupta</td>
<td>Students who have cleared course on 'Fundamentals of GIS'</td>
<td>14.30-15.30</td>
<td>Monday</td>
<td>Technology, Science and Mathematics</td>
</tr>
<tr>
<td></td>
<td>5559</td>
<td>Digital Image Processing Hands-on</td>
<td>1</td>
<td>Vyjayanthi N</td>
<td>Only for those who have opted for Digital Image processing lecture based course</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Technology,Practice</td>
</tr>
<tr>
<td></td>
<td>5560</td>
<td>Microwave Remote Sensing</td>
<td>2</td>
<td>Bindi Dave</td>
<td>Students who have enrolled for Microwave Remote Sensing</td>
<td>17.30-19.30</td>
<td>Wednesday</td>
<td>Technology,Practice</td>
</tr>
<tr>
<td></td>
<td>5561</td>
<td>Spatial Analysis and Modeling (Advance GIS) Hands-on</td>
<td>2</td>
<td>Anjana Vyas, Bindi Dave</td>
<td>Students who have enrolled for Spatial Analysis and Modeling (Advanced GIS) lecture course.</td>
<td>14.30-17.30</td>
<td>Thursday</td>
<td>Technology,Practice</td>
</tr>
<tr>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------</td>
<td>---------</td>
<td>---------------------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>-----------------------------</td>
<td></td>
</tr>
<tr>
<td>5028</td>
<td>Free Hand Sketch</td>
<td>2</td>
<td>Soha Trivedi</td>
<td>NA FOR THIS SEMESTER</td>
<td>Visual Communication and Performing Arts, Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5029</td>
<td>Port &amp; Harbours</td>
<td>3</td>
<td>S. C. Naik</td>
<td></td>
<td>Technology, Services and Advance Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5030</td>
<td>Lift, Firefighting &amp; Elevators</td>
<td>3</td>
<td>Bipin Shah</td>
<td></td>
<td>Technology, Services and Advance Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5031</td>
<td>Disaster Management</td>
<td>3</td>
<td>Bharat Patel</td>
<td>S. S. Rao</td>
<td>Management, Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5032</td>
<td>Water Resource Engineering</td>
<td>2</td>
<td>Mayur Agrawat</td>
<td>N. J. Nadu</td>
<td>Management, Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5033</td>
<td>English Communication</td>
<td>2</td>
<td>Anal Sheth</td>
<td></td>
<td>Services and Advance Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5034</td>
<td>Building Services Electrical</td>
<td>2</td>
<td>S. P. Sapre</td>
<td></td>
<td>Services and Advance Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5035</td>
<td>Advance Construction</td>
<td>3</td>
<td>Anal Sheth, V. R. Shah</td>
<td></td>
<td>Workshop, Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5036</td>
<td>Basic Computer Skills &amp; Technology</td>
<td>2</td>
<td>Jyoti Trived, Anuj Bawa</td>
<td></td>
<td>Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5037</td>
<td>Foundation Engineering</td>
<td>3</td>
<td>Bhargav Tewar, Bawa</td>
<td></td>
<td>Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5038</td>
<td>SEZ Planning and Management</td>
<td>2</td>
<td>Kalash Bajrangi</td>
<td></td>
<td>Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5039</td>
<td>Master Builders</td>
<td>2</td>
<td>V. R. Shah, V. R. Shah</td>
<td></td>
<td>Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5040</td>
<td>Basics of Structures</td>
<td>3</td>
<td>V. R. Shah, Dhara Shah, V. R. Shah</td>
<td></td>
<td>Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5041</td>
<td>Earthquake Resistant</td>
<td>2</td>
<td>Dhara Shah, Mihir Das</td>
<td></td>
<td>Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR(S)</td>
<td>PREREQUISITE</td>
<td>AREA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>---------------</td>
<td>--------------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>5521</td>
<td>Railways &amp; Logistics</td>
<td>2</td>
<td>H. S. Duggal</td>
<td>NA FOR THIS SEMESTER</td>
<td>Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>5530</td>
<td>Remote Sensing Image Analysis</td>
<td>2</td>
<td>Anjana Vyas, Bindi Shastri</td>
<td>Students who have cleared 1st year</td>
<td>Management, Economics and Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>5531</td>
<td>Graph Theory and Applications</td>
<td>3</td>
<td>Guneswar Anand</td>
<td>Students who have completed 1st year</td>
<td>Science and Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>5057</td>
<td>Building Information Modeling As Virtual Design &amp; Construction Project Management Tool</td>
<td>2</td>
<td>Viral Bhatt</td>
<td>Students who have completed ECE for 1 year and should have basic knowledge of IT</td>
<td>Workshop</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>5058</td>
<td>Digital Multimedia Technology</td>
<td>3</td>
<td>N. J. Naidu</td>
<td>Students who have completed 1st year</td>
<td>Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>5060</td>
<td>Measure Drawing Studio</td>
<td>2</td>
<td>Ajay C Patel</td>
<td>Students who have completed 1st year</td>
<td>Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>5061</td>
<td>Communicative Language Training</td>
<td>2</td>
<td>Pervin Doctor</td>
<td>Students who have completed Digital Multimedia Technology</td>
<td>Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>5062</td>
<td>Heating Ventilation and Air Conditioning [HVAC]</td>
<td>2</td>
<td>Ashutosh Shukla</td>
<td>Students who have completed 1st year</td>
<td>Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>5063</td>
<td>Site Investigation and Soil Improvement Techniques</td>
<td>2</td>
<td>Purnima Pandya</td>
<td>Students who have completed 1st year</td>
<td>Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>5064</td>
<td>Water Resources Modeling</td>
<td>2</td>
<td>S. S. Rao</td>
<td>Students who have completed 1st year</td>
<td>Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTORS</td>
<td>PREREQUISITE</td>
<td>DAYS</td>
<td>TIME</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------</td>
<td>-------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>II</td>
<td>5065</td>
<td>Theory And Design of Irrigation Structures</td>
<td>3</td>
<td>Bhargav Tewar, Rakshit Pandit</td>
<td>None.</td>
<td>Monday, Tuesday</td>
<td>16.30-19.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5066</td>
<td>Tribal Art</td>
<td>2</td>
<td>Soha Trivedi</td>
<td>Open to all</td>
<td>Monday, Tuesday</td>
<td>16.30-19.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5068</td>
<td>Valuation</td>
<td>3</td>
<td>Jiger Pandya</td>
<td>None.</td>
<td>Monday, Tuesday</td>
<td>16.30-19.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5537</td>
<td>Fundamentals of Real Estate</td>
<td>2</td>
<td>Rajnikant Paral</td>
<td>None.</td>
<td>Monday, Tuesday</td>
<td>16.30-19.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5538</td>
<td>Infrastructure Finance</td>
<td>3</td>
<td>Rajnikant Paral</td>
<td>Fundamentals of Accounting, Finance and Economics</td>
<td>Monday, Tuesday</td>
<td>16.30-19.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5545</td>
<td>Finite Element Method</td>
<td>2</td>
<td>Rupal Shah</td>
<td>None.</td>
<td>Monday, Tuesday</td>
<td>08.30-10.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5546</td>
<td>Repairs and Rehabilitation of Structures</td>
<td>3</td>
<td>V. R. Shah, Anel Shah</td>
<td>None.</td>
<td>Monday, Tuesday</td>
<td>10.30-12.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5552</td>
<td>Cities and Transport</td>
<td>2</td>
<td>Bhargav Adhvaryu</td>
<td>None.</td>
<td>Monday, Tuesday</td>
<td>14.30-18.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5553</td>
<td>Energy Infrastructure Systems</td>
<td>2</td>
<td>Japen Gor</td>
<td>None.</td>
<td>Monday, Tuesday</td>
<td>16.30-18.30</td>
<td>Technology</td>
</tr>
<tr>
<td>II</td>
<td>5552</td>
<td>Geographical Information System</td>
<td>3</td>
<td>Anjana Vyas, Bindi Dave</td>
<td>None.</td>
<td>Monday, Tuesday</td>
<td>15.30-18.30</td>
<td>Technology</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE CODE</td>
<td>COURSE NAME</td>
<td>CREDITS</td>
<td>INSTRUCTOR/S</td>
<td>PREREQUISITE</td>
<td>TIME</td>
<td>DAYS</td>
<td>AREA</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>------------------</td>
<td>---------------------------------------------------</td>
<td>------------</td>
<td>-----------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>II</td>
<td>5563</td>
<td>GPS and Location Based System</td>
<td>3</td>
<td>Darshana Rawal, VF</td>
<td>None. Open to all</td>
<td>15.30-18.30</td>
<td>Friday</td>
<td>Technology, Practice</td>
</tr>
</tbody>
</table>
Course Details
Advanced Technology

5539 - Design of Liquid Retaining Structures
Credits: 3
Type: Lecture
Instructor/s: Aanal Shah
Design aspects of liquid retaining structures as per
new code IS: 3370-2009. Design of underground,
on ground and overhead water tanks for various
conditions with detailing.
Faculty: Technology
Program: Postgraduate Program in Engineering
Design
Prerequisites: PG students
Days: Thursday, Thursday , Friday

5540 - Design of Reinforced Concrete Structures -II
Credits: 2
Type: Lecture
Instructor/s: Aanal Shah
Advanced design methodology for RCC
structures, adopting codal provisions. Deflection of
reinforced concrete beams and slabs, Estimation
of crack width in reinforced concrete members,
Design of stairs, deep beams, flat slabs and
corbels.
Faculty: Technology
Program: Postgraduate Program in Engineering
Design
Prerequisites: PG students and final year UG
students with knowledge of concrete design
Time: 14.30-16.30
Days: Tuesday

5542 - Dynamics of Structures
Credits: 2
Type: Lecture
Instructor/s: Chaitanya Sanghvi
Understanding the response of structures under
dynamic loads. Free and forced vibration, damping
and its effects, modelling of structures, transient
vibration, response of single degree of freedom system and multiple degree of freedom system to
dynamic loading, mode superposition method and
analysis by response spectrum theory.
Faculty: Technology
Program: Postgraduate Program in Engineering
Design
Prerequisites: PG students
Time: 08.30-10.30
Days: Wednesday

5545 - Finite Element Method
Credits: 2
Type: Lecture
Instructor/s: Rupal Shah
A numerical method used for solving a differential
or integral equation for advanced structural
analysis. To enable the students to understand the
complex behaviour of stress and strain in a simpler manner using mathematical equations and
software support. It involves dividing the structure
into discrete elements through mesh generation and
applying boundary conditions. this will be
helpful in achieving a solution much closer to
reality.
Faculty: Technology
Program: Postgraduate Program in Engineering
Design
Prerequisites: PG students
Time: 08.30-10.30
Days: Monday

5546 - Repairs and Rehabilitation of Structures
Credits: 3
Type: Lecture
Instructor/s: R.J.Shah
Investigation and evaluation of distressed
structures, materials & technologies for repair,
strengthening and stabilization of structures.
Faculty: Technology
Program: Postgraduate Program in Engineering
Design
Prerequisites: PG Students and final year UG
students with knowledge of construction failure
Time: 10.30-12.30, 09.30-10.30
Days: Thursday, Friday
Computer Application and Programming

2053 - Digital Technology - II

Credits: 2
Type: Workshop
Instructor/s: Amal Shah
The course explores the use of the digital medium as a tool of both design as well as its representation. It introduces the students to the various techniques of three dimensional form explorations with the help of AutoCAD and the techniques of two dimensional representations with the help of Adobe Photoshop.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: For UG students: 2nd Year and above, Sound knowledge of AutoCAD 2D functions, A Laptop. For PG students: Sound knowledge of AutoCAD 2D functions, A Laptop.
Time: 08.30-10.30, 08.30-10.30
Days: Monday, Wednesday

3008 - Introduction to e-Governance & m-Governance

Credits: 2
Type: Lecture
Instructor/s: Gayatri Doctor
The course explores e-Governance which is in essence, the application of Information and Communications Technology to government functioning in order to create a Simple, Measurable, Accurate, Relevant and Transparent (SMART) governance. The course is made of four modules which include some basic ICT & e-governance concepts, the National e-Governance Plan (NeGP), e-governance initiatives in India, e-governance initiatives in Gujarat and m-governance initiatives. Lectures are based on case studies, with presentations & assignment based evaluation.
Faculty: Management
Program: Postgraduate Program in Habitat Management
Prerequisites: Open to all
Time: 16.30-18.30
Days: Tuesday

4032 - Introduction to GIS Science and its Common Applications

Credits: 2
Type: Workshop
Instructor/s: Aniket Navalkar
Geographic Information Systems or GIS is a system that integrates geographic and spatial sciences with information sciences, mathematical sciences, data, users, software and it creates an environment to visualize and understand any phenomena having spatial components. GIS has tremendous use in all fields including, social sciences, health sciences, architecture, landscape, urban design and engineering sciences. GIS has many potential uses in architectural research and practice, especially in the areas of urban design, community planning, and the site selection process. This course will cover the basic theoretical and conceptual ideas of GIS and will be delivered both, in a classroom as well as a workshop environment. The course is designed to encourage students from all disciplines at CEPT to explore its use in their professional and academic lives. A hands-on type methodology will be used in the work shop mode, while in the classroom mode, an interdisciplinary discussion and dialogue will be encouraged. Specific problems that students face in their respective disciplines which can be solved using GIS will also be discussed upon request.
Faculty: Planning
Program: Undergraduate Program in Planning

5544 - Studio -II, Multi Storey Structures

Credits: 4
Type: Studio
Instructor/s: Dhara Shah, Bhairav Patel, Mehul Shah
Analysis, designing and detailing of multi storied structures. An extension of STUDIO-I, where in students take up individual live project. They prepare structural system at all levels. Thereafter, they analyze, design and detail the structure for gravity as well as lateral loads using software.
Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: Studio - I (Gravity Structures) of PG SED
Time: 10.30-13.30, 10.30-13.30
Days: Monday, Wednesday
5545 - Finite Element Method

Credits: 2
Type: Lecture
Instructor(s): Rupal Shah

A numerical method used for solving a differential or integral equation for advanced structural analysis. To enable the students to understand the complex behaviour of stress and strain in a simpler manner using mathematical equations and software support. It involves dividing the structure into discrete elements through mesh generation and applying boundary conditions. this will be helpful in achieving a solution much closer to reality.

Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: PG students
Time: 08.30-10.30
Days: Monday

5549 - Urban Information Systems

Credits: 2
Type: Lecture
Instructor(s): Charanjeet Singh

The course provides insights as to how emerging information and communication technologies are impacting urban development and how such decision supporting tools can be used to understand complex relationships between land use, transportation, environment etc. Much of the coursework involves integrating geographic information systems (GIS), multimedia technologies and the design and prototyping of urban planning tools.

Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: PG FoT only
Time: 08.30-10.30
Days: Wednesday

5555 - GIS Customization – I

Credits: 3
Type: Lecture
Instructor(s): Shaily Gandhi

This lecture course focuses on the extension of geographic information systems (GIS) through programming as well as on the development of algorithms for spatial analysis and information extraction in vector and raster data. It will cover different concepts, principles and techniques of programming that helps to solve a variety of spatial problems in physical and human Geography with help of Python for Geoprocessing in ArcGIS as well as for spatial programming in gridded data using Numpy. The students are required to undertake a group project.

Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Basic knowledge of programming; Working experience with ArcGIS 10x.
Time: 14.30-17.30
Days: Tuesday
Crafts

2046 - Crafts in Interior Architecture and Design

Credits: 2
Type: Seminar
Instructor/s: Rishav Jain

The course will be divided into four sections, the first section deals with the understanding of craft and craftspeople. The second section deals with the concept of Space Making Craft and the integration with Interior Architecture and Design. The third section details the attitudes towards crafts by various architects and designers. The last section emphasizes on the various positions of craft taken by architects and designers today. There will be weekly assignments, discussions and submissions.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have registered for Studio - IV are eligible for the course.
Time: 08.30-10.30
Days: Thursday

2511 - Crafts: Process, Values and Collaboration

Credits: 2
Type: Design Workshop
Instructor/s: Jay Thakkar

This course will be divided into two modules. The first module is a study of the crafts related to the Interior Architecture with a cluster approach. The students will understand various processes associated with Craft and Craft Practices like human resource, skills, material, tools, techniques, systems of application and production, supply chain mechanisms and markets. These issues will be understood in reference to the traditional and current practices of craft by means of lectures, presentations, discussions and field work.

The second module looks at Craft-Design Collaboration. Through the learning from the first module, student will evolve an understanding of current needs and aspiration of craftspeople and define the role of design within the craft practices. They will engage with crafts through the process of design intervention. This will be done through hands-on exploration to acquire the material understanding and skills of making and to gain an intrinsic understanding of craft-design process.

Faculty: Design
Program: Postgraduate Program in Interior Architecture & Design
Prerequisites: Students who have successfully completed ‘2502 Crafts in Interior Architecture’ are eligible. This course is mandatory for MIAD/MIAD students registering for semester II.
Time: 09.30-13.30
Days: Thursday

2512 - Crafts: Contemporary Orientation in Interior Architecture

Credits: 2
Type: Lecture
Instructor/s: Kireet Patel

Crafts of buildings as potential technological situation can emerge as a unique opportunity in practices of architecture and interior design.

We are constantly in search of cultural meaning in architecture and interior design. Manual skills are rooted in our culture and are still present in our society.

Can practices of architecture and interior design learn to give importance to crafts of buildings and crafts communities such that it enriches crafts and our life in general?

Faculty: Design
Program: Postgraduate Program in Interior Architecture & Design
Prerequisites: Students who have successfully completed ‘2505 Cultural Perception of Crafts’ are eligible. This course is mandatory for MIAD/MIAD students registering for semester II.
Time: 08.30-10.30
Days: Tuesday
Economics and Development

4025 - Economics - 2 (Macro Economics, Public Finance, Development Theories)
Credits: 2
Type: Lecture
Instructor/s: R. Parthasarathy, Shreekanth Iyengar
This lecture course focuses on Macro Economic and Public Finance concepts and theories. It covers a range of theories and models and concepts like GDP and cannons of taxation. It also aims to familiarize the students with the Development theories and the Planning Process in India.
Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: B Plan Students
Time: 08.30-10.30
Days: Thursday

4507 - Financing Urban Development
Credits: 2
Type: Lecture
Instructor/s: Mona Iyer, Dinesh Mehta, Meera Mehta
Finance is critical for urban development. There are various ways in which a government (national, state or local) raises and allocates funds for capital expenditure. The course aims to introduce concepts of public finance and project finance. Public finance topics would include discussions on national and state finance, inter-governmental transfers, results based funding and municipal finance. Project level finance is an integral part of financing urban development. An understanding of project finance is needed for good project formulation. Students will learn basic concepts of cash flow projections, internal rate of return, risk and sensitivity analysis.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-17.30
Days: Thursday

4526 - Microfinance and Sustainable Livelihoods
Credits: 2
Type: Lecture
Instructor/s: Pratul Ahuja
This course is expected to enable students to develop a good understanding of the need and importance of microfinance, its delivery models, regulatory environment, role of technology and financial inclusion. The course would also discuss the wide range of microfinance ‘plus’ approaches and examine how they can contribute to ensuring sustainable livelihoods for the poor.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Tuesday

4530 - Environmental & Social Safeguards in Infrastructure and Development Projects
Credits: 2
Type: Lecture
Instructor/s: Shrawan Acharya, Subhrangsu Goswami
There is a growing awareness that socio economic benefits of any development project should not be negated by externalities, particularly those caused by the environmental consequences of the project. Therefore the primary objective of this course is to provide required knowledge and skills to the students, to make them capable of developing environmental and social safeguards for infrastructure and development projects, so that the environmental and social impacts can be eliminated or minimized to acceptable levels that optimise overall benefits of a policy, program or project, by integrating environmental and social aspects during planning, design, construction, operation and management of any infrastructure and development project.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Wednesday
4531 - Industrial Economics

Credits: 2
Type: Lecture
Instructor(s): R. Parthasarathy

Industrial Economics is the study of firms, industries, markets and regulation. Its aim is to understand the location principles, structure, conduct, and performance of firms by studying industrial structure, entry in strategic settings, government regulation, and markets with asymmetric information. Normally profit maximization is taken as given, but industrial economics courses examine alternative objectives. There is also an international dimension: the option of sourcing inputs overseas (gas based fertilizer units, for example). Industrial economics frequently uses skills and knowledge from microeconomic courses and some macroeconomic concepts.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Wednesday

4532 - Industrial Infrastructure and Utility Planning

Credits: 2
Type: Lecture
Instructor(s): Neeru Bansal

Planning infrastructure and utilities for an industrial area is a unique experience as demand assessment varies with the type of industries the area will have. Components covered in this lecture course are water supply, waste water management, storm water management, hazardous and/or solid waste management, road networks, gas network and power requirement. Classroom teaching and exercises are supplemented with at least one field visit to a developed industrial area.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Friday

4533 - Industrial Vulnerability and Risk Management

Credits: 2
Type: Lecture
Instructor(s): Ajay Katuri

Industrial processes in India contribute to about 26% of the GDP. At the same time, they also contribute to high number of fatalities in human life. According to Ministry of Labour, average annual incidence of 1,400 fatal and one lakh non-fatal accidents in non-domestic workplaces. In this course, we focus on various processes that take place in industrial sector and how these activities change the risk perception of the local authorities. We see various hazard identification, hazard analysis and vulnerability and risk assessment exercises. This course will be offered as a hands on exercise and will also be offered as an elective to other courses.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Wednesday

4534 - Regional Industrial Planning: Locational Theories, Policies and Practices

Credits: 2
Type: Lecture
Instructor(s): Anil Kumar Roy

Indian industrial development offers opportunities and challenges while planning industrial areas - big or small. This course focuses on the historical perspective of industrial development and explores the various industrial locational theories of past and present. The current industrial policies and planning practices of industrial estates, clusters and regions including SEZ and SIR are critically examined.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Friday

4535 - Development Innovations

Credits: 2
Type: Seminar
Instructor(s): Dinesh Mehta, Meera Mehta

This seminar course provides a platform for exchange on innovative development thoughts and experiences from around the world. Three sets of inclusive development paradigms are covered: a) Inclusive development that combines economic development with wider human development, b) Inclusive markets and finance to reach the ‘unreached’ and widening livelihood opportunities for all, and c) Inclusive cities with better and universal access to public spaces and basic services. The course enables learning by reading and discussions, rather than lectures.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Wednesday

4537 - Gender and Development

Credits: 2
Type: Seminar
Instructor(s): Aka Pankh

The main aim of this seminar course is to relate the debate on gender to development theory and practice and whether development interventions have been able to lead to some progress towards gender equity and empowerment. Specifically, the gender relations and positioning will be examined in the fields of: Agriculture, Environment, Education, Health, Development policies and institutions. Teaching is for two hours every week. The teaching methods employed would be role play, case studies, debates and discussions on readings. Continuous evaluation methods in which each method of participation is given weightage. A written assignment would be used for the final evaluation.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Friday

5534 - Engineering Economics

Credits: 3
Type: Lecture
Instructor(s): P.V.Akaitkotkar, Anuj Bawa

This course delivers Fundamentals of Engineering Economics

Faculty: Technology
Program: Postgraduate Program in Construction Engineering
Prerequisites: None. Mandatory for PG CEM. PG students only
Time: 14.30-16.30, 14.30-16.30
Days: Monday, Tuesday
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Type</th>
<th>Instructor(s)</th>
<th>Prerequisites</th>
<th>Time</th>
<th>Days</th>
<th>Program</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1041</td>
<td>Daylighting Design</td>
<td>2</td>
<td>Lecture</td>
<td>Vishwanath Kashikar</td>
<td>2nd year UG Students onwards</td>
<td>08.30-10.30</td>
<td>Thursday</td>
<td>Undergraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
<tr>
<td>1055</td>
<td>Sustainability and Global Scenario</td>
<td>2</td>
<td>Lecture</td>
<td>Shailaja Pandit</td>
<td>2nd year UG students onwards, no PG</td>
<td>14.30-17.30</td>
<td>Thursday</td>
<td>Undergraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
<tr>
<td>1051</td>
<td>Sustainable Design</td>
<td>3</td>
<td>Lecture</td>
<td>Jigna Desai</td>
<td>2nd year UG students onwards, no PG</td>
<td>14.30-17.30</td>
<td>Wednesday</td>
<td>Undergraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
<tr>
<td>1063</td>
<td>Discourses on Development and Sustainability</td>
<td>3</td>
<td>Seminar</td>
<td>Urv Desai</td>
<td>UG 4th year level onwards, PG</td>
<td>14.30-16.30</td>
<td>Wednesday</td>
<td>Undergraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
<tr>
<td>1064</td>
<td>Sustainability of Historic Environments</td>
<td>3</td>
<td>Seminar</td>
<td>Jigna Desai</td>
<td>UG 4th year level onwards and PG</td>
<td>14.30-17.30</td>
<td>Wednesday</td>
<td>Postgraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
<tr>
<td>1534</td>
<td>Sustainable Systems and Processes I</td>
<td>3</td>
<td>Seminar</td>
<td>Jigna Desai, Urv Desai</td>
<td>UG 4th year level onwards, PG</td>
<td>14.30-17.30</td>
<td>Tuesday</td>
<td>Postgraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
</tbody>
</table>

1051 - Sustainable Design

In the bid to achieve comfortable and inspiring living environment, humans have in the last century left a definitive mark on the environment and in fellow humans threatening the human existence the way we know it. The last four decades has seen a rise in discussions in identifying these impacts, mitigating it and most importantly evolving 'designs' and practices that would be sensitive and sustainable. This course would present the principles of sustainable practice to the designers of the built environment. It would be done by supporting reflective learning that would provide opportunities to the students to articulate their own standpoint on sustainable design. It would also bring about questions of technology and choice of living; society and perception of material; culture and forms of expression to open up both architectural-technological as well as societal dimension in this course.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: UG 4th year level onwards and PG
Time: 14.30-17.30
Days: Wednesday

1063 - Discourses on Development and Sustainability

The main objective of the course is to study the term 'development' as defined from a range of different perspectives, and try to arrive at a comprehensive and holistic understanding, especially in the context of sustainability and providing a good quality of life. The course will deal with a range of issues such as "progress vs development"; urbanization & industrialisation; environment & development; sustainable development; and development in context of climate change. In this regard, it will look at development in context of resource distribution, environmental impact, cultural identity, sustainable approaches to development, and urban sustainability.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: UG 4th year level onwards and PG
Time: 14.30-17.30
Days: Wednesday
1536 - Passive and Low Energy Design

Credits: 2
Type: Lecture
Instructor/s: Keyur Vadodaria

This course aims at developing an in depth understanding of passive and low energy design techniques. Lectures will be complemented with hand-on skills development exercise aimed at providing students a framework for design decision making, particularly within their studio project.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: M.Arch. (SA) Semester I
Time: 14.30-16.30
Days: Friday

1537 - Ecology
Credits: 2
Type: Lecture
Instructor/s: Deepa Maheshwari

The course outlines Fundaments of Ecology
Ecosystems and their functioning, Ecological Processes: energy flow-energy source, food chains and trophic structure, ecological pyramids, biogeochemical cycles, evolution - variation and selection, speciation, Ecological communities, Ecosystem inertia and resilience. Ecological balance and survival thresholds. Ecological conditions of India, Eco systems and forest types of India and human influences on ecosystems.

Faculty: Architecture
Program: Postgraduate Program in Landscape Architecture
Prerequisites: Undergraduate students 4th year onwards, Postgraduate students
Time: 14.30-16.30
Days: Wednesday

2515 - Advanced Building Energy Efficiency Studio
Credits: 4
Type: Studio
Instructor/s: Munjal Bhatt, Sanyogita Manu

This course will build advanced capabilities for understanding the performance of and designing building components affecting building energy efficiency, such as envelope, systems and human behaviour. It will help students to understand the delicate balance and resultant trade-offs between the aforementioned components and passive and active strategies. Building energy simulation, surveys, measurements and experiments will be used as primary tools to meet the objectives of this course.

Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: UG 2nd year onwards
Time: 14.30-16.30
Days: Friday

4510 - Introduction to Environmental Planning
Credits: 2
Type: Lecture
Instructor/s: Ashwani Kumar, Rutool Sharma

This introductory lecture course examines broad concepts of environmental planning, and develops a foundation for understanding the relationships and debates related to environment and development. It introduces key environmental phenomena such as pollution and degradation of natural systems (including water, air, land/soil, flora and fauna, ecological and natural resources, and ecosystems. It also provides students with information on applicable norms and standards in India, and works to integrate environmental components in planning (master/land use planning etc.) the urban and industrial region.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Tuesday
4524 - Environmental Infrastructure

Credits: 2
Type: Lecture
Instructor/s: Ashwani Kumar, Mona Iyer

The infrastructure or services primarily required to achieve environmental safety and safeguard human health shall be covered under this course. The course will focus on such important infrastructure/services including treatment plants (sewage and effluent), solid waste, hazardous waste, E-waste and bio medical waste. The course is designed to cover principles of theory and practice for site characterization, system component planning and design, best practices, technology options, cost estimates (capital and O&M), financing arrangements, implementation options (including PPP) and issues related to performance monitoring.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Friday

4525 - Environmental Legislations, Administration and Governance

Credits: 2
Type: Lecture
Instructor/s: C.N. Ray, Ashwani Kumar

This lecture course provides students with basic knowledge and approaches on rules and regulations related to environment from both international and national perspectives. The initial part of the course covers various legislation like Water Act, Air Act, and EP Act, and then illustrates their implementation through known environmental cases. The course also familiarizes participants with the administrative structure, and roles and powers, of various organisations and environmental institutions working in the environmental field.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Wednesday

4530 - Environmental & Social Safeguards in Infrastructure and Development Projects

Credits: 2
Type: Lecture
Instructor/s: Shrawan Acharya, Subhrangsu Goswami

There is a growing awareness that socio economic benefits of any development project should not be negated by externalities, particularly those caused by the environmental consequences of the project. Therefore the primary objective of this course is to provide required knowledge and skills to the students, to make them capable of developing environmental and social safeguards for infrastructure and development projects, so that the environmental and social impacts can be eliminated or minimized to acceptable levels that optimise overall benefits of a policy, program or project, by integrating environmental and social aspects during planning, design, construction, operation and management of any infrastructure and development project.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Friday

4535 - Sustainable Urban Transport

Credits: 2
Type: Lecture
Instructor/s: Nitika Bhakuni

This course focuses on the relationship between transport and the environment and introduces the concept of sustainability and the policies adopted worldwide to promote sustainable mobility. Taking sustainability as the key issue the course will develop students understanding in undertaking environmental assessments and developing environment management plans.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Wednesday

5553 - Energy Infrastructure Systems

Credits: 2
Type: Lecture
Instructor/s: Japen Gor

This module intends to provide thorough technical knowledge and information on renewable energy and non renewable sources, technologies and methods of utilization of same. The switchover of energy supply from primary sources to secondary is examined and explored in various aspects in this module. The project development of RE plants, feasibilities, policies and market scenarios are covered well in balanced with the technical features.

Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: None
Time: 16.30-18.30
Days: Thursday
## History, Theory and Criticism

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Type</th>
<th>Instructor/s</th>
<th>Prerequisites</th>
<th>Time</th>
<th>Days</th>
<th>Program</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1036 - Humanities 1: Where is Culture</td>
<td></td>
<td>2</td>
<td>Lecture</td>
<td>Gauri Bharat</td>
<td>This course is to develop a sense for culture; we begin by introspecting on what we commonly call as culture or cultural before moving onto how culture has been studied in disciplines such as anthropology and sociology. The emphasis is on identifying patterns in things we see and do and be able to think of culture as a multivalent entity - behaviour, objects, their significances and the contexts in which things become meaningful. Course will include presentations by students and reading and reviewing some texts.</td>
<td></td>
<td></td>
<td>Undergraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
<tr>
<td>1048 - History of Architecture: Post-Industrialization to the Present</td>
<td></td>
<td></td>
<td>Lecture</td>
<td></td>
<td></td>
<td></td>
<td>Undergraduate Program in Architecture</td>
<td>Architecture</td>
<td></td>
</tr>
<tr>
<td>1052 - Humanities 4: The Big Fight</td>
<td></td>
<td>2</td>
<td>Seminar</td>
<td>Gauri Bharat</td>
<td>In this course, students will engage with ideas such as politics and globalization by debating an issue from different/ conflicting perspectives. The frame of reference, or in this case the site of debate, will be rights to public places (the specific topic will be announced in class). Debate is being used as a medium to explore conflicting but valid positions on multivalent notions such as public place. In developing their arguments and for rebuttal, students will refer to theoretical writings and other case studies related to their specific positions in the debate. Topic of debate will be a place in or around CEPT.</td>
<td></td>
<td></td>
<td>Undergraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
<tr>
<td>1055 - Sustainability and Global Scenario</td>
<td></td>
<td>2</td>
<td>Lecture</td>
<td>Shailaja Pandit</td>
<td>This course provides an introduction on Sustainability and why is it important to apply Sustainable methods in the current world scenario. Emphasis will be placed upon understanding the current environmental quality and the current global resources utilization, understanding land use, materials ecology, urban ecosystem. Course will also introduce students to topics of – Carbon Credits and carbon neutrality and carbon offsets. Case studies will be presented for better understanding of the concepts discussed.</td>
<td></td>
<td></td>
<td>Undergraduate Program in Architecture</td>
<td>Architecture</td>
</tr>
</tbody>
</table>
1058 - Comparative Urban Form: Indian Cities
Credits: 2
Type: Seminar
Instructor/s: Pratyush Shankar
This seminar-based course is an entry into the debate of Urban Form and Structure of Indian cities, from the beginning till today. By comparing cities in different time period and varied landscape setting in the Indian sub-continent, the course wishes to introduce the students to methodology and concepts around issues of urban form and space. The course is ideal for advance students who wish to equip themselves with better understanding of Indian urbanism from both historic and contemporary perspective, especially its relationship with various landscape settings of the country. Course will be conducted through lectures, illustrated through case studies and students will be required to do comparative mapping in form of assignments. Evaluation will be through these assignments only
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 08:30-10:30
Days: Wednesday

1063 - Discourses on Development and Sustainability
Credits: 3
Type: Seminar
Instructor/s: Uni Desai
The main objective of the course is to study the term ‘development’ as defined from a range of different perspectives, and try to arrive at a comprehensive and holistic understanding, especially in the context of sustainability and providing a good quality of life. The course will deal with a range of issues such as ‘progress vs development’; urbanization & industrialisation; environment & development; sustainable development; and development in the context of climate change. In this regard, it will look at development in context of resource distribution, environmental impact, cultural identity, sustainable approaches to development, and urban sustainability.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 08:30-10:30
Days: Wednesday

1061 - Flexible Cities
Credits: 2
Type: Lecture
Instructor/s: Chandrika Parmar
The course aims to create an ecological understanding of the city as a mode of thought and as rituals of activity. It is set out in four broad modules: Consumerism; Science, Technology and Society; Vulnerability and Agency; and the City and its Futures. Students will be encouraged to explore the imagination of the city as expressed in these four sites. These domains are not particular and students will be expected to explore it in various fieldwork sites. The city is a theatre where desire, identity, autonomy, survival and people’s own idea of technology and body is being constantly reworked.

Using various examples like clothing, food, malls, religion, bazaar, festivals, waste, slums, institutions and memory, one looks at how the city constantly theorizes and renews itself. The course is sensitive to the idea that the city is a social construct which shapes people and in turn reshaped by them. The course moves with the tacit assumption that doing and thinking go together in surviving and understanding the city. It seeks to show how abstract theories get translated into the everyday pragmatism of the city.

Methodologically, the course will combine theory and fieldwork. The course will go beyond conventional texts. Theory and practice will weave together relying on literary narratives, films, journalistic accounts and fieldwork insights.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 08:30-10:30
Days: Wednesday

1065 - Feminists in Field
Credits: 2
Type: Seminar
Instructor/s: Jigna Desai, Gauri Bharat
This research seminar raises questions about how gender - both our own and that of the people we deal with - mediates our engagement with built environments. Using architectural documentation as a lens, the course will critically examine the process of architects’ (and other built environment professionals) dealing with other people, modes of documentation, and worldviews embedded in much of traditional architectural pedagogy and academic practice. The course intends to help students critically think about their own positions and experience when attempting to make sense of and represent built environments. The course will both draw out ideas from our (instructor’s and students’) collective experiences and discuss important writings on the subject.
Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: UG 4th year level onwards and PG
Time: 14.30-17.30
Days: Tuesday

1066 - Philosophy and History of Science
Credits: 2
Type: Seminar
Instructor/s: Mukesh Patel
The Philosophy and History of Science seminars aim to provide a basic understanding of what science is and how it works. This will be achieved by using a number of resources – books, online videos, websites, etc. It aims at developing an understanding of the logic through which we build scientific knowledge. As a result student will learn about the historical development of the scientific method and gain a better an understanding of questions concerning laws of nature or are there any laws in non-physical sciences like biology and psychology? Questions dealing with data to understand real causes and accidental regularities
and with issues of hypothesis and evidences as a method of scientific enquiry will also be discussed in this course.

**Faculty:** Architecture

**Program:** Undergraduate Program in Architecture

**Prerequisites:** Open to all

**Time:** 08.30-10.30

**Days:** Wednesday

-----------------------------------------------------------------------------------------------------------------------------

1522 - Urban Design Theory

**Credits:** 2

**Type:** Lecture

**Instructor/s:** Rajiv Kadam

This course looks at various attempts to develop attitudes towards fulfilling the urban design dreams. Various design attitudes of the people listed below are discussed and a critique is generated. The ideas is to draw parallel between the international situation with Indian context, and develop some fresh understanding and application of the same for present day Indian Situation.

The course requires reading and participation based on the reading list provided as well as a major term paper from the student.

**Faculty:** Architecture

**Program:** Postgraduate Program in Architecture

**Prerequisites:** Mandatory for M.Arch.(UD) Semester II, Open to all Postgraduate Students

**Time:** 14.30-17.30

**Days:** Monday

-----------------------------------------------------------------------------------------------------------------------------

1525 - Historic Buildings and Adaptive Reuse

**Credits:** 3

**Type:** Seminar

**Instructor/s:** Meenakshi Jain

Heritage, Global and Indian Perspective.

Conservation of historic buildings with special reference to the principles of adaptive reuse.

**Faculty:** Architecture

**Program:** Postgraduate Program in Architecture

**Prerequisites:** M.Arch.(TD) Semester I

**Time:** 14.30-17.30

**Days:** Thursday

-----------------------------------------------------------------------------------------------------------------------------

1526 - History and Theory

**Credits:** 2

**Type:** Lecture

**Instructor/s:** Snehal Shah

Critiques on pre-industrial developments. Evolution of theories in the post-renaissance periods.

**Faculty:** Architecture

**Program:** Postgraduate Program in Architecture

**Prerequisites:** Mandatory for M.Arch.(TD) Semester II, Open to all Postgraduate Students

**Time:** 14.30-17.30

**Days:** Monday

-----------------------------------------------------------------------------------------------------------------------------

1529 - Conservation Studies II

**Credits:** 3

**Type:** Seminar

**Instructor/s:** Khushi Shah

The Seminar would deal with the circumstances of emergence of the practice of Conservation as a field to safeguard and conserve historic heritage. The subject would be elaborated through examples highlighting the role of awareness and attitudes to Conservation and the different approaches that emerge in various culture to safeguard historic heritage. The course would be offered through Seminar sessions to present various approaches which represented various phases of history in different cultures to develop an understanding of the contemporary position emerging into a global movement with expanded relevance of the larger concerns of humanity including natural and man-made environment as a focus.

**Faculty:** Architecture

**Program:** Postgraduate Program in Architecture

**Prerequisites:** Mandatory for M.Arch.(ASC) Semester II, Open to all Postgraduate Students

**Time:** 14.30-17.30

**Days:** Monday

-----------------------------------------------------------------------------------------------------------------------------

1530 - History of Architecture II

**Credits:** 3

**Type:** Lecture

**Instructor/s:** Deepal Kannal

Focus of this course is on the architecture of Ahmadabad city which developed through last several centuries, its precursors and precedents, including the evolving traditions influenced by changing times and changing building practices. The study would include works of religious architecture of important cultural segments of society and also the study of representative settlement patterns which constituted the historic city of Ahmadabad. The course would have a progressive level of its content. The subject would have an approach in each semester to identify examples which represent a breakthrough in an evolving on-going tradition as the basis for understanding the history. It is important to examine breakthrough in evolving history and the stream of inspirations it provided in succeeding periods. This approach establishes a perception in the learning processes of history where the a specific period or epoch correspond to evolutionary development of representational arts of which architecture is just one basic constituent.

**Faculty:** Architecture

**Program:** Postgraduate Program in Architecture

**Prerequisites:** Mandatory for M.Arch.(ASC) Semester II, Open to all Postgraduate Students

**Time:** 08.30-10.30

**Days:** Friday

-----------------------------------------------------------------------------------------------------------------------------

1531 - History of Culture II

**Credits:** 2

**Type:** Lecture

**Instructor/s:** Thomas Parmar

This course is designed to make understand the preservation of our cultural legacy. As we know Heritage and Conservation are two unique aspects of human life. Heritage stands not only for that which has been but also for that which is not only for the past in heritages’ facts but also for the present in record (i.e. conservation) and hence it implies in itself the union of these two elements i.e. Heritage, what once lived in its own right lives now only as the object of knowledge i.e. conservation. These two aspects are to be viewed from societal advantage and individual interest. This region, i.e. Gujarat is very rich and variegated in these fields. Cultural heritage of Gujarat is magnificent and her overall contribution in the making of our national heritage is tremendous.

**Faculty:** Architecture

**Program:** Postgraduate Program in Architecture

**Prerequisites:** Mandatory for M.Arch.(ASC) Semester II, Open to all Postgraduate Students

**Time:** 08.30-10.30

**Days:** Friday

-----------------------------------------------------------------------------------------------------------------------------
1539 - Theory of Landscape Design

Credits: 2
Type: Lecture
Instructor/s: Anjali Jain

The objective of this subject is to understand key moments in the history of landscape architecture (both western and Indian) through an investigation of significant sites (and designers where relevant). To develop a critical understanding of these works in their temporal and cultural contexts not only in terms of how they were built but also how they have been perceived and represented. Some significant aspects of these sites and how they continue to be relevant are included.

Faculty: Architecture
Program: Postgraduate Program in Landscape Architecture
Prerequisites: Undergraduate students 4th year onwards, Postgraduate students
Time: 08.30-10.30
Days: Thursday

------------------------------------------

2034 - History - II

Credits: 2
Type: Lecture
Instructor/s: Jay Thakkar, Snehal Shah

This course is conducted in two modules.

The first module deals with understanding of Traditional and Vernacular Buildings (TVB) of India and is a lecture and field based course. It inculcates in students, the ability to understand these buildings in reference to a theoretical framework and experiential explorations by process of recording and experiencing the various means.

The second module looks at the larger overview of Human Settlements from earlier times to classical world. It gives introduction through geography and history of the classical world. The common theme running through the module is the exploration of what made different places and times culturally distinctive.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Open to all
Time: 08.30-10.30
Days: Monday

------------------------------------------

2051 - Design: Expression & Technology

Credits: 2
Type: Seminar
Instructor/s: Snehal Nagarsheth

This course builds and discusses the understanding of design as a relationship between technology and expression through select examples. It traces the journey of design from Modern Movement to Contemporary and builds a historical perspective. It explores the complex relationships between theory and practice; and enables a critical evaluation of how the past has informed contemporary works in Architecture and Design.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Open to all
Time: 08.30-10.30
Days: Thursday

------------------------------------------

2514 - The Idea of Design

Credits: 3
Type: Seminar
Instructor/s: Jaimini Mehta

The objective of this course is to explore various conceptual systems that have guided design production over the ages. It will look into the relationships between these conceptual systems, the idea of practice, the process of design and the prevailing social and philosophical ideas. Throughout this course, we shall take the position that design, in the true sense of the term, is a cultural construct and constantly involves choice making and judgment on the part of the designer. This requires the designer to remain abreast of ideas as much as with technical innovations.

Faculty: Design
Program: Postgraduate Program in Interior Architecture & Design
Prerequisites: Students who are currently registered in semester VII or above in a UG program at Faculty of Design or Architecture, OR in a PG program at any Faculty having completed UG in Architecture, are eligible. This course is mandatory for MIAD/MIAD students registering for semester II.
Time: 14.30-17.30
Days: Thursday

------------------------------------------

2517 - A Concise History of Art

Credits: 2
Type: Lecture
Instructor/s: Esther David

The elective on History of Art is important in understanding the development of the arts through the ages. This story of art will start with prehistoric art and journey through Egypt, Mesopotamia, Greece, Rome and Christian art leading to the Renaissance period. After which, students will be exposed to Impressionism and the modern art movement.

Any student of CEPT University can choose to study the history of art as it is also the story of civilization and narrates the development of the arts in the world.

Faculty: Design
Program: Postgraduate Program in Interior Architecture & Design
Prerequisites: None
Time: 14.30-16.30
Days: Wednesday

------------------------------------------

2518 - Architecture in Post-Independence India

Credits: 2
Type: Lecture
Instructor/s: Snehal Shah

There was a drastic change in India after independence - politically as well as economically. The cultural aspect of this period is important as it played major role changing the outlook of India. The political aspect emerged while the economy got developed; we need to search the roots of cultural evolution, rich vernacular and regional style. The JJ School of Art and Architecture - pre-colonial, followed by British architects – Kahn, Corbusier and their disciples. The course is going to look at all such aspects which have been the reason for the architectural development of India.

Faculty: Design
Program: Postgraduate Program in Interior Architecture & Design
Prerequisites: Students who are currently registered in semester VII in a UG program at Faculty of Design or Architecture, OR in a PG
program at Faculty of Design or Architecture, are eligible.

**Time:** 17.30-19.30
**Days:** Monday

4027 - Urban Governance and Planning

**Credits:** 2
**Type:** Lecture
**Instructor(s):** Shrawan Acharya

The principle objective of the course is to discuss the linkages between governance and planning, and high light the importance of good governance policy and practice in achieving planning objectives of urban sustainability, efficiency and inclusiveness in rapidly urbanizing economies like India. The course will discuss citizenship, governance, government and the concept of state; linkages between good governance, public administration and planning; public administration and governance theories; linkages between human rights, development and governance; the evolution and constitutional basis of local governance in India; the existing institutional structures, rigidities and bottlenecks; rapid urbanization, globalization and governance challenges; decentralization; urban renewal and governance reforms in India; neo liberal imparatives and the role of public, private and civil society in local governance. The pedagogy emphasizes critical discourses and discussions, through lectures, seminar papers, case presentations and institutional assessments of local bodies.

**Faculty:** Planning
**Program:** Undergraduate Program in Planning

4026 - Urban Renewal and Conservation

**Credits:** 2
**Type:** Lecture
**Instructor(s):** Anjali Kadam

This course aims to offer overview and introduction of the basic concepts of conservation; values, attitudes and principles for judging the conservation importance of sites, areas and related typology; scope and basic technique of urban conservation; Urban renewal as apart of metropolitan plan; identification of urban renewal areas; conservation, rehabilitation and redevelopment urban renewal policies and strategies.

**Faculty:** Planning
**Program:** Undergraduate Program in Planning

4024 - Planning Theory - 2 (Urbanization Theories, & Planning Processes)

**Credits:** 2
**Type:** Lecture
**Instructor(s):** Anil Roy

This course aims to bring in conceptual understanding of the meaning Urban, Urbanism, and the process of Urbanisation with reference to the third world countries. The theories of urban and regional planning will form larger discussion. The planning process both for the urban and rural areas are different, hence these differences and overlaps what so ever, will become core area of learning through this course.

**Faculty:** Planning
**Program:** Undergraduate Program in Planning

4020 - Urban History - 2

**Credits:** 2
**Type:** Lecture
**Instructor(s):** Rutul Joshi, Renu Desai

The principal aim of the urban history courses is to prepare students to analytically understand various processes and factors that have shaped built form and settlement patterns. This particular course focuses on the urban history from the 19th century to the early 21st century covering the modern and contemporary debates related to the settlements across the world.

**Faculty:** Planning
**Program:** Undergraduate Program in Planning

4017 - Introduction to Settlement Planning

**Credits:** 2
**Type:** Lecture
**Instructor(s):** Vishal Dubey, Ajay Katuri

The course seeks to cover the spatial aspects and temporal dynamics of settlement system, their relation to resources, trade routes, and transportation, including the typologies, determinants of growth & locational advantages. Concepts of spatial planning - Garden City, Vertical City, Linear City, Neighbourhood concept, broad-acre city) and spatial structure - concentric zone theory, sector theory, multiple nuclei theory will be introduced to strengthen the understanding of spatial organization of human built forms featuring the hierarchy and functional characteristics. The course will be in lecture (60%) and seminar (40%) mode.

**Faculty:** Planning
**Program:** Undergraduate Program in Planning

4019 - Design Thinking: Intentions to Value Creation

**Credits:** 2
**Type:** Lecture
**Instructor(s):** M P Ranjan

This course will explore contemporary developments in Design and Design Thinking with an introduction to Tools and Resources and an understanding of the context at the Macro and Micro levels. It will introduce Design Research and the exploration of co-creation and concept mapping in complex situations. Role of Modelling and Visualization in the creative exploration of design opportunities along with the Nature and Structure of Design Processes along with case studies of significant contemporary examples will be explored. Readings across disciplines is encouraged to help understand the Three Orders of Design with the emerging design paradigms of design thinking as applied to management and scientific domains. The seven styles of design thinking would be introduced and assignments relating to each would be introduced as part of this course. Course would have lectures as well as assignments in groups and individually and require additional work outside of class contact hours in the ratio of one is to two. Each contact hour will need two additional hours of self study and group work.

**Faculty:** Design
**Program:** Postgraduate Program in Interior Architecture & Design

**Prerequisites:** Students who are currently registered in semester VI or above in a UG program, OR in a PG program, are eligible.

**Time:** 16.30-18.30
**Days:** Wednesday

4014 - Planning Theory - 2 (Urbanization Theories, & Planning Processes)

**Credits:** 2
**Type:** Lecture
**Instructor(s):** Akshay S. Shahidi, Anshuman Vichit, Shubham Dixit

The principal aim of the urbanization theories course is to prepare students to analytically understand various processes and factors that have shaped built form and settlement patterns. This particular course focuses on the urbanization from the 19th century to the early 21st century covering the modern and contemporary debates related to the settlements across the world.

**Faculty:** Planning
**Program:** Undergraduate Program in Planning

**Prerequisites:** Open to all

**Time:** 08.30-10.30
**Days:** Wednesday

4011 - Urban History - 1

**Credits:** 2
**Type:** Lecture
**Instructor(s):** Vishal Dubey, Ajay Katuri

The purpose of the urban history course is to cover the spatial aspects and temporal dynamics of the urban settlement system, their relation to resources, trade routes, and transportation, including the typologies, determinants of growth & locational advantages. Concepts of spatial planning - Garden City, Vertical City, Linear City, Neighbourhood concept, broad-acre city) and spatial structure - concentric zone theory, sector theory, multiple nuclei theory will be introduced to strengthen the understanding of spatial organization of human built forms featuring the hierarchy and functional characteristics. The course will be in lecture (60%) and seminar (40%) mode.

**Faculty:** Planning
**Program:** Undergraduate Program in Planning

**Prerequisites:** Open to all

**Time:** 08.30-10.30
**Days:** Wednesday
Prerequisites: Only for B.Plan
Time: 14.30-16.30
Days: Wednesday

4528 - Settlements in Transition: Rural-Urban Interactions
Credits: 2
Type: Lecture
Instructor(s): Ravi S. Sannabhadri, Anurima Mukherjee Basu

Rapid urbanization contexts pose a challenge of planning of settlements in transition, which exhibit both urban and rural characteristics. These transitional areas, in the form of census towns, peri-urban areas or outgrowths of large urban centers, are dynamic both in terms of their spatial spread and their changing characteristics. Most official policies focus on either the rural or urban areas; lacking an approach to such 'trishanku' (middle world) areas, thus posing peculiar problems of jurisdictional domains and governance. This course intends to develop an understanding of the spread, inter-linkages, nature, characteristics and the challenges of governing such transitional areas. The course will be delivered through extensive readings, case studies, hands-on exercises and field based explorations.

Faculty: Planning
Program: Postgraduate Program in Planning

Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Tuesday

5513 - Master Builders
Credits: 2
Type: Lecture
Instructor(s): V.R. Shah, Aanal Shah

This course explores the works of great structural designers and engineers in terms of concept, philosophy and innovation. Emphasizing the intuitions and innovations in architecture, design and construction fields. The contribution of the designer towards the innovative form and design philosophy for a given structure has been incorporated along with classroom discussions to focus on the salient features of landmark structures throughout the world.

Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: None
Time: 08.30-10.30
Days: Tuesday

75
Housing

4506 - Built Environment and Land Use Planning
Credits: 2
Type: Lecture
Instructor/s: Sejal Patel, Rutul Joshi
This lecture course enables planners to understand, interpret, diagnose and plan the built environment. The course introduces theories and concepts that underpin land use and built environment planning, techniques and methods of planning for various scales of settlements, legal and institutional framework that make plans feasible, and emerging issues in neoliberal economies such as urban regeneration, informalities and heritage conservation.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Monday

4508 - Fundamentals of Housing
Credits: 2
Type: Lecture
Instructor/s: Ajay Katuri
This lecture course provides housing students with an understanding of basic issues relevant to housing. Topics covered are housing stress areas, slums and squatter settlement in urban areas, the process of settling in urban slums and in low income settlements, methods of assessing housing stress conditions in an urban area, building construction, the nature of utility services, land tenure and other social amenities. The course also covers historical review of housing policies and typologies, which includes 'how the other half builds.'
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Tuesday

4511 - Land Development and Management Practices
Credits: 2
Type: Lecture
Instructor/s: Madhu Bharti
The objective of this course is to introduce students to various land development concerns and processes. The course focuses on the land development mechanism, process and tools as are used in India. The course would also focus on land laws and regulations, specifically those having impact on real estate development. The students will be exposed to various models of land development in developed as well as emerging economies. By the end of the course the students are expected to develop a critical understanding of various land development tools. This will be a lecture course, having case studies from India and elsewhere.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 08.30-10.30
Days: Friday
1036 - Humanities 1: Where is Culture
Credits: 2
Type: Lecture
Instructor/s: Gauri Bharat
Culture is a word and concept that we commonly use in the process of design as one of the things that design responds to. The intention of this course is to develop a sense for culture; we begin by introspecting on what we commonly call as culture or cultural before moving onto how culture has been studied in disciplines such as anthropology and sociology. The emphasis is on identifying patterns in things we see and do and be able to think of culture as a multivalent entity - behaviour, objects, their significances and the contexts in which things become meaningful. Course will include presentations by students and reading and reviewing some texts.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 08.30-10.30
Days: Monday

1043 - Humanities 3: The Scientific World View
Credits: 2
Type: Lecture
Instructor/s: Sonal Mehta
This course explores the scientific worldview as the dominant way of thinking that has influenced much of human endeavour in modern history, particularly in the twentieth century. The course may explore key shifts in arts and sciences, modernism, colonialism and technological visions of world, making in the past hundred years. It is particularly important to stress the similarity in philosophical underpinnings in these disciplines and developments.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 08.30-10.30
Days: Wednesday

1052 - Humanities 4: The Big Fight
Credits: 2
Type: Seminar
Instructor/s: Gauri Bharat
In this course, students will engage with ideas such as politics and globalization by debating an issue from different/ conflicting perspectives. The frame of reference, or in this case the site of debate, will be rights to public places (the specific topic will be announced in class). Debate is being used as a medium to explore conflicting but valid positions on multivalent notions such as public place. In developing their arguments and for rebuttal, students will refer to theoretical writings and other case studies related to their specific positions in the debate. Topic of debate will be a place in or around CEPT.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: UG 4th year level onwards and PG
Time: 08.30-10.30
Days: Thursday
Infrastructure

4022 - Urban Infrastructure (Planning and Design)
Credits: 2
Type: Lecture
Instructor/s: Saswat Bandyopadhyay, Mona Iyer, Subhrangsu Goswami
This lecture course familiarizes students with basics of urban water supply, waste water management, sanitation and solid waste management. Through theoretical concepts and relevant cases, it highlights a range of technical, and institutional issues and options in urban water and sanitation planning and implementation.
Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: Open to all
Time: 08.30-10.30
Days: Friday

4022 - Urban Infrastructure (Planning and Design)
Credits: 2
Type: Lecture
Instructor/s: Saswat Bandyopadhyay, Subhrangsu Goswami
Because basic infrastructure in Indian cities has not been able to match with rapid urban demographic growth, it is over-stressed. With a restricted resource base and poor institutional capacities, urban infrastructure development in India is a big challenge to planning professionals. To address this challenge, this lecture course provides students with a basic understanding of urban infrastructure services, approaches to planning, prioritization and management.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 08.30-10.30
Days: Wednesday

4509 - Infrastructure Sub-Systems
Credits: 2
Type: Lecture
Instructor/s: Neeru Bansal, Saswat Bandyopadhyay, VF
Infrastructure Planning deals with several sub-sectors. This course attempts to expose the students with knowledge base related to various sub-sectors which is relevant for planning and management. Specifically the course would cover major subsectors of infrastructure like Highways, railways, ports, gas, industrial infrastructure, SEZs & SIRs, telecom & E infrastructure etc.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Friday

4513 - Urban and Regional Infrastructure Planning
Credits: 2
Type: Lecture
Instructor/s: C.N. Ray, Anil Kumar Roy
In planning context Social Infrastructure is basically explained as services and facilities necessary for a city or region to function. It can be generally defined as the set of interconnected structural elements that provide framework supporting an entire structure of development. The course will focus on health facilities, educational facilities and public amenities while giving special focus on community and principle of inclusive development.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Tuesday

4514 - Urban Transport Infrastructure
Credits: 2
Type: Lecture
Instructor/s: Saswat Bandyopadhyay, Talat Munshi, VF
This lecture course introduces students to Urban and Metropolitan transport infrastructure and their integrations. The course surveys urban and regional transport systems, infrastructure planning and design and transport policies. The course will specifically dwell on the engineering, urban design and management aspects of urban transport infrastructure while also giving an understanding of different transport systems.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Friday

4519 - Social and Inclusive Infrastructure
Credits: 2
Type: Lecture
Instructor/s: Ashwani Kumar, Mona Iyer
The infrastructure or services primarily required to achieve environmental safety and safeguard human health shall be covered under this course. The course will focus on such important infrastructure/services including treatment plants (sewage and effluent), solid waste, hazardous waste, E-waste and bio medical waste. The course is designed to cover principles of theory and practice for site characterization, system component planning and design, best practices, technology options, cost estimates (capital and O&M), financing arrangements, implementation options (including PPP) and issues related to performance monitoring.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Wednesday

4524 - Environmental Infrastructure
Credits: 2
Type: Lecture
Instructor/s: Ashwani Kumar, Mona Iyer
The infrastructure or services primarily required to achieve environmental safety and safeguard human health shall be covered under this course. The course will focus on such important infrastructure/services including treatment plants (sewage and effluent), solid waste, hazardous waste, E-waste and bio medical waste. The course is designed to cover principles of theory and practice for site characterization, system component planning and design, best practices, technology options, cost estimates (capital and O&M), financing arrangements, implementation options (including PPP) and issues related to performance monitoring.
Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Wednesday
Lecture Courses

1538 - Planting Design & Management
Credits: 2
Type: Lecture
Instructor(s): Deepa Maheshwari
This lecture course familiarizes students with use of plants in design and its relation to various aspects such as growth, ecology, climatic factors etc. This also deals with understanding plants according to physical attributes and visual appearance and various basic principles of selection criteria in planting design and plant management.

Faculty: Architecture
Program: Postgraduate Program in Landscape Architecture
Prerequisites: 1518-Field Study of Plants or Landscape Studio I
Time: 14.30-16.30
Days: Thursday

4029 - Landscape Planning & Design
Credits: 2
Type: Lecture
Instructor(s): Deepa Maheshwari
This subject shall help students develop foundation in landscape planning through understanding of various natural processes, conceptualizing landscape elements and their application in site planning. This also outlines basis for understanding various scales of landscape spaces including urban open spaces, rural landscapes and principles of landscape planning and design.

Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: B Plan Students + UG 3rd year onwards
Time: 08.30-10.30
Days: Friday

1542 - Introduction to Landscape Design
Credits: 3
Type: Lecture
Instructor(s): Deepa Maheshwari, Bobby Sujan, Sandip Patil, Divya Shah, Parin Shah
This course introduces students to the fundamental elements and natural processes such as geology, soils, climate, hydrology, vegetation and fauna. Students will formulate and conduct site analysis to assess the natural layers of site as a part of larger regional context. This will focus on understanding the topography, principles for slope analysis, site grading, and understanding of plant materials and their use in landscape. The subject will provide an overview of fundamentals of Landscape architecture as a discipline.

Faculty: Architecture
Program: Postgraduate Program in Landscape Architecture
Prerequisites: Undergraduate students 5th Semester onwards, Postgraduate students
Time: 14.30-17.30
Days: Friday
Language and Communication

1035 - English Language and Communication
Credits: 2
Type: Lecture
Instructor/s: Catrinel Dunca
This course is highly recommended for students who are not fluent in the English language. Communication skills are taught through a series of different exercises that include reading, writing and speaking.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 08.30-10.30
Days: Thursday

1060 - French Language
Credits: 3
Type: Lecture
Instructor/s: Kanchan Sharma (Alliance Française d’Ahmedabad)
You can listen to and understand familiar words and expressions on daily life, your family and your immediate world. You can read and understand simple sentences (small texts, post cards, messages). You can speak in a simple manner, ask and answer to simple questions regarding your daily life to present oneself, to be able to ask questions in certain given situations, Role Play). You can describe your house and persons that you know. You can write a short postcard and personal details in a questionnaire, small messages.
It will be a Communicative and Active Pedagogical Approach with Cultural activities of Alliance Française d’Ahmedabad.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 08.30-10.30, 08.30-09.30
Days: Tuesday, Friday

2057 - Write Here Write Now
Credits: 2
Type: Lecture
Instructor/s: Aditi Vashisht
This course looks for the place of words in the visually oriented discipline of design. It is aimed at anyone (writer or non-writer) interested in exploring this medium of expression and getting into the mode of writing. This course aids the creative process by the imaginative use of literary tools and explores the use of writing as a means to stretch ones imagination, structure the thoughts and build connections across different disciplines to enrich the worldview.
Faculty: Planning
Program: Undergraduate Program in Interior Design
Prerequisites: Open to all
Time: 08.30-10.30, 08.30-10.30
Days: Tuesday, Friday

5061 - Communicative Language Training
Credits: 2
Type: Lecture
Instructor/s: Pervin Doctor
CLT refers to appropriate teaching where sentence formation or framing should be proper. Teaching involves grammar, idiomatic expression, diction, economy and precision of language i.e. the sentences should be precise, and redundancy is to be avoided. Ample illustrations and personal observations should be cited for a better reach or understanding. Classroom activities are encouraged. Slide shows and group discussions are conducted. Communication involves a group hence the needs of the group are taken into consideration. In a group language for presenting plans, information interchange, expressing feelings, desires and moods are presented. Communication takes place despite errors in language. That does not mean that errors are allowed.
Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Open to all
Time: 16.30-18.30
Days: Wednesday
Management

2045 - Professional Practice: Estimation and Contracts
Credits: 3
Type: Lecture
Instructor(s): Ramesh Patel
This course introduces the different Tender Formats and expose students to practices of Cost Estimation of design and formulation of Work Contracts.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have registered for Studio - IV at the Faculty of Design are eligible for the course.
Time: 08.30-10.30
Days: Wednesday

3006 - Practical Governmental Ethics
Credits: 1
Type: Lecture
Instructor(s): Scot Wrighton
Course includes a discussion of those principles, values and practices promoting public trust in government, such as respect, fairness, transparency, stewardship of the perquisites of office, avoiding conflicts of interest, using public office for personal gain, and creating an environment of integrity in policy making and service delivery. Students will learn the role and application of codes of ethics, the influence of lobbying and whistle blowing on government ethics, the difference between personal and professional ethics, processes for ensuring procurement probity, how to develop and implement ethics-based internal control systems, and whether cultural differences exist in what constitutes 'ethical government'. Course makes extensive use of cases studies, discussion groups, and short assignments so students master practical strategies for making government workplaces more ethical.
Faculty: Management
Program: Postgraduate Program in Habitat Management
Prerequisites: Sem II MHM students only
Time: 18.30-19.30
Days: Wednesday, Friday (29th & 31st Jan, 5th & 7th Feb)

3007 - Human Resource Management
Credits: 2
Type: Lecture
Instructor(s): Margie Parikh
Sensitize the students to the importance of Human Resource Management (HRM) as well as employment laws, introduce the principles of effective HRM and employee relations, and develop basic skills in selected HRM processes
Faculty: Management
Program: Postgraduate Program in Habitat Management
Prerequisites: Open to all
Time: 14.30-16.30
Days: Monday

3008 - Introduction to e-Governance & m-Governance
Credits: 2
Type: Lecture
Instructor(s): Gayatri Doctor
The Course explores e-Governance which is in essence, the application of Information and Communications Technology to government functioning in order to create a Simple, Measurable, Accurate, Relevant and Transparent (SMART) governance. The Course is made of four modules which include some basic ICT & e-governance concepts, the National e-Governance Plan (NeGP), e-governance initiatives in India, e-governance initiatives in Gujarat and m-governance initiatives. Lectures are based on case studies, with presentations & assignment based evaluation.
Faculty: Management
Program: Postgraduate Program in Habitat Management
Prerequisites: Open to all
Time: 16.30-18.30
Days: Tuesday

3009 - Urban Public Finance
Credits: 2
Type: Lecture
Instructor(s): Meera Mehta, Ravikant Joshi
The course will equip the students to understand fundamentals of urban finance in context of urban local governments. The focus will be on areas of mobilization of resources including taxes, user charges, inter governmental finance as well as innovative finance such as market based debt, PPPs and social impact investing. Students will also learn about effective and efficient allocation of resources through local level budgeting, financial planning and management.
Faculty: Management
Program: Postgraduate Program in Habitat Management
Prerequisites: Postgraduate students
Time: 14.30-16.30, 14.30-16.30
Days: Thursday, Friday
Type: Lecture
Instructor/s: Mercy Samuel

The urban markets are loaded with different kinds of products and services. In this scenario of choices it becomes very important for any organisation involved in selling products or services to distinguish itself in the market and create preferences. This can happen only if the company knows its customer to the best. Much of this course is devoted to understanding consumers better: measuring their preferences, understanding how those preferences are formed; understanding whether products or services are satisfying both stated and unstated preferences.

Faculty: Management
Program: Postgraduate Program in Habitat Management
Prerequisites: Open to all
Time: 16.30-18.30
Days: Wednesday

3012 - Financial Accounting
Credits: 2
Type: Lecture
Instructor/s: Rajnikant Trivedi

This lecture course explores the fundamentals of accounting, accounting methodology and procedure, presentation, interpretation and analysis of financial statements, and the process and concept of auditing. Using this as a base, the course surveys key issues in urban finance, introducing students to a framework for urban financial analysis. Topics include the mobilization of resources required to finance the provision of urban services, the development and maintenance of urban infrastructure, the range of local sources of revenue and means of increasing it, and the improvement of tax administration efficiency. The course is delivered through lecture and case studies, with examination based evaluation.

Faculty: Management
Program: Postgraduate Program in Habitat Management
Prerequisites: Open to all
Time: 16.30-18.30
Days: Friday

4028 - Project Formulation, Appraisal and Management
Credits: 2
Type: Lecture
Instructor/s: Mona Iyer

The objective of the course is to discuss the concept of projects, Importance of project identification and formulation, appraisal and management; Stages of project form Network analysis; CPM, PERT, resource levelling and allocation. It covers Introduction to concepts of detailed project report, and feasibility studies and techniques of financial appraisal. Techniques of project evaluation would cover financial cost-benefit analysis, social-cost benefit analysis through case studies in urban and regional development projects.

Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: Only for B.Plan
Time: 14.30-16.30
Days: Tuesday

India is experiencing human and economic losses due to frequent natural and manmade disasters, whose frequency and intensity is increasing at a faster rate in recent years. The generally argued causes for the same are increasing urbanization,
industrialization and population growth. The broad aim of this course is to provide a broad exposure to the elements of disaster management, range of options available to local authorities, etc. The course will also provide enhanced understanding of community-based approaches to disaster management covering mitigation, preparedness, response, rehabilitation, and reconstruction.

**Faculty:** Planning  
**Program:** Postgraduate Program in Planning  
**Prerequisites:** Open to all PG students and sixth semester B.Plan students  
**Time:** 16.30-18.30  
**Days:** Friday

---

**4527 - Multi Hazard Risk Assessment**  
**Credits:** 2  
**Type:** Lecture  
**Instructor/s:** Ajay Katuri  

This course aims to make the target group aware of various tools and techniques in Risk Assessment for an array of hazards. This course assumes working knowledge of Geographic Information System and Remote Sensing. At the end of the course, students will be expected to develop a vocabulary of disaster management and knowledge of applying tools and techniques for various risk management exercises.

**Faculty:** Planning  
**Program:** Postgraduate Program in Planning  
**Prerequisites:** Open to all PG students  
**Time:** 16.30-18.30  
**Days:** Friday

---

**4533 - Industrial Vulnerability and Risk Management**  
**Credits:** 2  
**Type:** Lecture  
**Instructor/s:** Ajay Katuri  

Industrial processes in India contribute to about 26% of the GDP. At the same time, they also contribute to high numbers of fatalities in human life. According to the Ministry of Labour, the average annual incidence of 1,400 fatal and one lakh non-fatal accidents in non-domestic workplaces. In this course, we focus on various processes that take place in the industrial sector and how these activities change the risk perception of the local authorities. We see various hazard identification, hazard analysis, and vulnerability and risk assessment exercises. This course will be offered as a hands-on exercise and will also be offered as an elective to other courses.

**Faculty:** Planning  
**Program:** Postgraduate Program in Planning  
**Prerequisites:** Open to all PG students  
**Time:** 16.30-18.30  
**Days:** Wednesday

---

**5051 - Advanced Quantity Surveying & Valuation**  
**Credits:** 4  
**Type:** Studio  
**Instructor/s:** Devanshu Pandit, Bhargav Tewar, Reshma Shah  

To train students to prepare bills of quantities, detailed estimate, specifications of materials and analyze rates for residential projects. To impart understanding of basic principles of valuation and valuation process as a whole.

**Faculty:** Technology  
**Program:** Undergraduate Program in Construction Technology  
**Prerequisites:** Clearance of Field Studies and Quantity Surveying & Specifications  
**Time:** 10.30-13.30, 10.30-13.30  
**Days:** Wednesday, Thursday

---

**5068 - Valuation**  
**Credits:** 3  
**Type:** Lecture  
**Instructor/s:** Reshma Shah  

To impart understanding of basic principles of valuation and valuation process as a whole.

**Faculty:** Technology  
**Program:** Undergraduate Program in Construction Technology  
**Prerequisites:** 3rd year & above  
**Time:** 16.30-19.30  
**Days:** Tuesday

---
1046 - Professional Practice
Credits: 3
Type: Lecture
Instructor/s: Pratyush Shankar
This course deals with the understanding of the nature of building specifications and contracts and its relevance to architectural practice. The nature and type of building specifications and its implications on quality and certification of the building is discussed. The various types of building contracts and its impact on the design and execution of projects, tendering procedures, obligations of the client, consultant and the architect are also discussed in this course.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 3rd year and above UG only
Time: 14.30-17.30
Days: Monday

1050 - Office Training
Credits: 15
Type: Internship
Instructor/s: *Understanding of “Professional Practice” methods of various interior designers - Design process from first client contacts to production documents, tender documents for various work involved, production drawings for various work, site supervision.
*Coordination of various agencies - client, members of design team, consultants, contractors, craftsman and construction supervisor.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Studio 6 Cleared
Time: 14.30-17.30
Days: Monday

2045 - Professional Practice: Estimation and Contracts
Credits: 3
Type: Lecture
Instructor/s: Ramesh Patel
This course introduces the different Tender Formats and expose students to practices of Cost Estimation of design and formulation of Work Contracts.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have registered for Studio - IV at the Faculty of Design are eligible for the course.
Time: 08.30-10.30
Days: Wednesday

2047 - Office Training
Credits: 15
Type: Internship
Instructor/s: Gaurang Jani
Sociology is one of the Important Social Sciences worldwide. Sociology provides insights and imagination to understand human societies both historically and contemporary. As a member of plural society, we all need information and knowledge to sensitize ourselves. Sociological understanding creates enabling environment for healthy social relationship and process of social change. Sociology in practice course will enable design students to relate social realities with their concepts and imagination.
Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: Open to all
Time: 16.30-18.30
Days: Monday

5049 - Field Studies
Credits: 3
Type: Workshop
Instructor/s: Devanshu Pandit, Bhargav Tewar, Ajay Patel
This course is conducted in two modules. The first module deals with developing a theoretical understanding of the different structural systems and the possibilities of change within these systems. The second module addresses the procedural aspects of renovation and alteration. It will involve understanding the phases of planning, management and execution vis-a-vis different kinds of structural changes. Site visits will be an integral part of the course.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared Int. Design Studio - IV & Int. Const. Drg. - II are eligible for the course.
Time: 14.30-16.30
Days: Tuesday

2050 - Renovation & Alteration
Credits: 2
Type: Lecture
Instructor/s: V.R.Shah, Poonam Jolly
This course is conducted in two modules. The first module deals with developing a theoretical understanding of the different structural systems and the possibilities of change within these systems. The second module addresses the procedural aspects of renovation and alteration. It will involve understanding the phases of planning, management and execution vis-a-vis different kinds of structural changes. Site visits will be an integral part of the course.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared Int. Design Studio - IV & Int. Const. Drg. - II are eligible for the course.
Time: 08.30-10.30
Days: Wednesday

4034 - Sociology in Practice
Credits: 2
Type: Lecture
Instructor/s: Gaurang Jani
Sociology is one of the Important Social Sciences worldwide. Sociology provides insights and imagination to understand human societies both historically and contemporary. As a member of plural society, we all need information and knowledge to sensitize ourselves. Sociological understanding creates enabling environment for healthy social relationship and process of social change. Sociology in practice course will enable design students to relate social realities with their concepts and imagination.
Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: Open to all
Time: 16.30-18.30
Days: Monday
To study building activities on construction projects by periodic site visits to Load Bearing Structures. The field studies helps to reinforce the theory studied in the classroom in the relevant subjects mainly structures, construction technology, building services and materials.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Those who have completed Building Construction Course
Time: 08.30-10.30, 08.30-10.30, 08.30 onwards
Days: Monday, Tuesday, Friday

5055 - Project Training
Credits: 20
Type: Internship
Instructor/s: 3 to 4 Core Faculty Members
To study construction methods, techniques planning, designs, quality control, project execution through 18 week on site practical training.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: 1) For 2012 & 2013 batch - Students who have cleared 95 core credits and clearance of Field Study, Quantity Surveying-I (2)
For 2011 batch- Students who have cleared 95 core credits and clearance of Field Study, Quantity Surveying-I (3) For 2010 batch- All students who have cleared 132 core credits

Time: 08.30-10.30, 08.30-10.30
Days: Monday, Thursday

5535 - Value Engineering
Credits: 2
Type: Lecture
Instructor/s: Anuj Bawa
This course makes the students aware of potential value engineering techniques in the construction industry.

Faculty: Technology
Program: Postgraduate Program in Construction Engineering
Prerequisites: None. Mandatory for PG CEM. PG students only
Time: 08.30-10.30
Days: Tuesday

5536 - Construction Management-II
Credits: 4
Type: Studio
Instructor/s: P.V.Akalkotkar, Jyoti Trivedi
The studio is extension of construction management-I which addresses the culture, principles, and techniques of constructions management.

Faculty: Technology
Program: Postgraduate Program in Construction Engineering
Prerequisites: Studio-I (CM-I) Mandatory for PG CEM. PG students only
Time: 10.30-13.30, 10.30-13.30
Days: Monday, Wednesday

5537 - Fundamentals of Real Estate
Credits: 2
Type: Lecture
Instructor/s: Jigar Pandya
This course delivers the current scenario and issues in real estate construction sector. An introductory course intended to provide a foundation for understanding the workings and players in the real estate market.

Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Only for those who have opted for Digital Image processing lecture based course
Time: 08.30-10.30
Days: Thursday
5560 - Microwave Remote Sensing

Credits: 2

Type: Workshop

Instructor/s: Bindi Dave

This workshop course is designed to provide hands-on experience with special processing techniques and the possibility of using these techniques for a student-defined term project in areas of geology, hydrology, coastal, environmental sciences, etc. Advanced processing techniques such as InSAR, differential InSAR or polarimetric InSAR will be included and addressed during the practical exercises.

Faculty: Technology

Program: Postgraduate Program in Geomatics

Prerequisites: Students who have enrolled for Microwave Remote Sensing

Time: 17.30-19.30

Days: Wednesday

-------------------------------

5561 - Spatial Analysis and Modelling (Advance GIS) Hands-on

Credits: 2

Type: Workshop

Instructor/s: Anjana Vyas, Bindi Dave

This is a workshop course which deals with the practical hands-on training on the topics covered in lecture base course on Spatial Analysis and Modelling. The emphasis will be given to the statistical analysis of spatial data, Raster-based operations such as map algebra, interpolation, surface analysis, network analysis, watershed management and multi-criteria analysis. This subject would develop students' spatial analytical skills.

Faculty: Technology

Program: Postgraduate Program in Geomatics

Prerequisites: Students who have enrolled for Spatial Analysis and Modelling (Advanced GIS) lecture course.

Time: 14.30-17.30

Days: Thursday

-------------------------------

5562 - Geographical Information System

Credits: 3

Type: Lecture

Instructor/s: Anjana Vyas, Bindi Dave

This elective course introduces principles, concepts and applications of Geographic Information Systems (GIS): a decision support tool for managers of spatial information. Database development, manipulation and spatial analysis techniques for information generation will be taught. Students will have the scope of using GIS for applications in their related fields such as natural resource management, environment, civil engineering, agriculture, information system, etc., will be discussed through case study and practical exercise.

Faculty: Technology

Program: Postgraduate Program in Geomatics

Prerequisites: Open to those who have no basic knowledge of GIS.

Time: 15.30-18.30

Days: Monday

-------------------------------

5563 - GPS and Location Based System

Credits: 3

Type: Lecture

Instructor/s: Darshana Rawal, VF

This elective course is intended to infuse basic principles of Global Positioning System. It would include extensive field work. It will demonstrate clear understanding of the GPS signal, codes and biases. GPS integration with GIS, Mapping and RS would be emphasis for real-time applications such as emergency response system, disaster management, and utility management for human settlements.

Faculty: Technology

Program: Postgraduate Program in Geomatics

Prerequisites: None. Open to all

Time: 15.30-18.30

Days: Friday
Research

1020 - Thesis
Credits: 15
Type: Guided Research
Instructor/s: Sanka pa
Students demonstrate their abilities to conduct independent research on topics of architectural relevance in this course. The progress of the student is evaluated through interim reviews and a final viva voce.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: UG Architecture only
Time: 14.30-18.30, 14.30-18.30
Days: Tuesday, Friday

1521 - Case Studies in Urban Design
Credits: 3
Type: Seminar
Instructor/s: P V K Rameshwar
This exercise aims at understanding the various interpretations of 'Urban Design' as employed in different circumstances or by authorities/designers.
Students are required to identify an implemented project which is illustrative of Urban Design. It is expected that they clearly define what 'Urban Design' is in their identified case and need to validate their choice. The students are required to present the case documented and then their analysis & critical appraisal of the design from conception to realization.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: MArch (SA) Semester I
Time: 08.30-10.30
Days: Wednesday

1535 - Research Methods and Critical Writing
Credits: 2
Type: Seminar
Instructor/s: Madhavi Desai
Research forms an integral part of the academic experience of a Master's student in Faculty of Architecture at CEPT University. Having a strong design background, this course, split over two semesters, exposes these students to a general understanding of research, its tools and techniques with an emphasis on the development of their critical and technical writing and composing skills including an attitude towards analytical reading. It is a seminar-type course where the focus is on library research, regular presentation of students' work and group discussions. The first semester has several exercises and tasks organized in a nonlinear pattern to build towards a well-written and structured paper at the end.
Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: MArch (SA) Semester I
Time: 08.30-10.30
Days: Wednesday

2022 - Thesis
Credits: 15
Type: Guided Research
Instructor/s: Kamalika Bose
Introduction to approaches that aid developing a foundation towards research skills. Appropriate approaches to topic identification, methodologies, readings, data review and sourcing, structure, citation will provide a base for students approaching thesis.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have registered for Studio - V are eligible for the course.
Time: 08.30-10.30
Days: Tuesday

2513 - Introduction to Research Design and Communication
Credits: 3
Type: Lecture
Instructor/s: Saket Sarraf, Sanyogita Manu
This elective provides a primer to research design and communication to those who will be taking up research initiatives in the coming semesters. The aim is to expose the students to various issues they will encounter while framing a research question, doing background study and collecting data, choosing an appropriate methodology and communicating the findings to a suitable audience. It prepares students to embark on a research journey and provides an overview of different approaches to make an informed choice.
The course is conducted in a lecture format with very high expectations in terms of reading, student participation and weekly submissions.
Faculty: Design
Program: Postgraduate Program in Interior Architecture & Design
Prerequisites: Students who are currently registered in a PG program, AND have a keen interest in research, with good reading and writing skills, are eligible. This course is mandatory for MIAD/IMIAD students registering for semester II.
Time: 14.30-17.30
Days: Friday
Type: Guided Research

Instructor/s: C. B. Shah

The thesis program, aiming at introduction to research and to know tools of research. The thesis is offered with intentions of: (a) Imbibing an attitude towards research (b) To address the problems facing construction industry & thereby develop greater relevance of the academic program as well as Industry- Institute Interaction

Faculty: Technology

Program: Undergraduate Program in Construction Technology

Prerequisites: 2012-2013 batch- Students who have cleared 120 core Credits.

Time:

Days:

5532 - Independent Study-I

Credits: 3

Type: Independent Study

Instructor/s: P.V.Akalkotkar, Jyoti Trivedi

This research study in the form of independent study takes the form of an investigation into a topic of significance to the construction sector, and is intended to ensure the capacity of the student to apply skills acquired within the prescribed courses.

Faculty: Technology

Program: Postgraduate Program in Construction Engineering

Prerequisites: Research Methodology. Mandatory for PG CEM. PG students only

Time: 14.30-16.30

Days: Friday

5543 - Seminar - I

Credits: 2

Type: Seminar

Instructor/s: Aanal Shah, Dhara Shah, V.R.Shah

The idea of seminar is to train the student for the process of exploration, enabling the students to identify a problem for further research/development work. Student has to take up one specific topic in the area of materials, technology, design, analysis, history, form development, special structure, etc. and study available literature as well as visit the respective site. Every week the work of students is monitored. At the end students have to submit a report and a technical paper along with presentation.
Science and Mathematics

1059 - Algorithms, Past and Present
Credits: 2
Type: Lecture
Instructor/s: Nitin Raje

This course offers a series of lectures on topics related to the role of mathematics in design applications. The role of mathematics in design areas is nearly boundless, particularly when one considers manifestation of the real objects based on abstraction. The course is structured around two major themes. The first explores the seemingly unreasonable effectiveness of mathematics in resolving diverse areas of design, while the second theme shall attempt to narrow the prevailing gap between the recent advances in design applications, including computational tools and the mandated regulations. The role of mathematics in design related to the role of mathematics in design applications. The course is structured around two major themes. The first explores the seemingly unreasonable effectiveness of mathematics in resolving diverse areas of design through the ages, while the second theme shall attempt to narrow the prevailing gap between the recent advances in design applications, including computational tools and the mandated understandings regarding their underlying mathematical principles.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: UG 4th year level onwards and PG
Time: 08.30-10.30
Days: Friday

1066 - Philosophy and History of Science
Credits: 2
Type: Seminar
Instructor/s: Mukesh Patel

The Philosophy and History of Science seminars aim to provide a basic understanding of what science is and how it works. This will be achieved by using a number of resources – books, online videos, websites, etc. It aims at developing an understanding of the logic through which we build scientific knowledge. As a result student will learn about the historical development of the scientific method and gain a better an understanding of questions concerning laws of nature or are there any laws in non-physical sciences like biology and psychology? Questions dealing with data to understand real causes and accidental regularities and with issues of hypothesis and evidences as a method of scientific enquiry will also be discussed in this course.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 08.30-10.30
Days: Monday, Thursday

1067 – The Smart Ones Behind Your Smart Phones
Credits: 1
Type: Lecture
Instructor/s: Bhas Bapat

Covers modern physics behind the technological advances that we so take for granted. Historical perspectives will be proved while presenting the development of electromagnetism, quantum mechanics and condensed matter physics on experimental and theoretical fronts. The course will aim to expose students to the process of abstraction and building of models based on rationalization and evidence from experiments, while also giving an idea of the journey from abstract ideas to practical realizations.

We will begin by looking at the gross manner of functioning of common gadgets, electronic as well as non-electronic, simple ones as well as complex ones. We will break down their functioning to the underlying physical principles. Whenever appropriate, we will look at common features in the functioning, and try to understand how small differences in application of a few basic principles can alter the technological face of physical principle in the second half of the course we will focus on some of the developments in physics in the early part of the 20th century, leaving aside the technological implications and applications.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 17.30-18.30, 17.30-18.30
Days: Monday, Thursday

4021 - Statistics - 2 (with integration of spatial)
Credits: 2
Type: Lecture
Instructor/s: Ami Divetiya

This course offers the planners to learn the statistics beyond introduction. It helps to develop better understanding about correlation and regression along with its practical applicability. Estimation and testing of hypothesis will help students making inferences about characteristics of populations from information contained in sample. Students will be able to test whether two or more than two population proportions can be considered equal or not with the help of Chi-square test. They will be able to detect patterns of change over regular intervals of time and also estimate the patterns for future with the help of Time series analysis and Index numbers.

Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: Statistics-1
Time: 08.30-10.30
Days: Monday

5043 - Applied Science
Credits: 4
Type: Studio
Instructor/s: V.P.Patel, J.J.Vora, G.M.Chippa

The objective of the proposed curriculum in Applied Science is to provide a sound foundation for the advanced topic in New Engineering materials, Non destructive testing, Applications of LASER, Water technology, Corrosion and inhibition’. This will make the students understand the basic principles for Engineering applications. The students will also develop the research skills in the field for developing innovative products/ technology. It involves practicals to develop good laboratories skills (practical hands), to provide student an opportunity to learn theory aspects in better way. It also provides a kind of exposure at small scale level which will be helpful to them for their further research as well as in professional goals and objectives.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Any 1st Year UG Students
Time: 10.30-13.30, 10.30-13.30, 16.30-18.30 (Friday Lab)
Days: Wednesday, Friday, Friday

5554 - Digital Image Processing
Credits: 2

89
This lecture course will emphasize on basic concepts of Image Processing techniques, Enhancements techniques, Data merging and GIS Integration etc. The theories, techniques and modelling taught in this course have application in several fields of planning, natural resources management, disaster management etc dealing with image data.

**Faculty:** Technology  
**Program:** Postgraduate Program in Geomatics  
**Prerequisites:** Basic knowledge of Remote Sensing

**Time:** 08.30-10.30  
**Days:** Wednesday

-------------------------------

5556 - Microwave Remote Sensing  
**Credits:** 1

**Type:** Lecture  
**Instructor/s:** Shiv Mohan

The goal of this lecture course is to take the students beyond what they have learned in a basic remote sensing course. This course will introduce the students to the principles and physics of microwave remote sensing. It includes the sensor technology, platforms and data portals to retrieve data. Principle processing techniques and applications of active and passive microwave remote sensing data will be covered. The students will get deeper insights into the physical principles, analysis techniques and applications of active and passive microwave remote sensing.

**Faculty:** Technology  
**Program:** Postgraduate Program in Geomatics  
**Prerequisites:** Knowledge of Fundamentals of Remote Sensing

**Time:** 17.30-18.30  
**Days:** Tuesday

-------------------------------

5557 - Spatial Analysis and Modelling (Advance GIS)  
**Credits:** 1

**Type:** Lecture  
**Instructor/s:** A.R.Dasgupta

This lecture course will familiarize students with advanced topics of geospatial spatial database, accuracy assessment, 2D and 3D spatial modelling, analysis of discrete and continuous entities in space. There will be special emphasis on statistical analysis of spatial data. Raster-based operations such as map algebra, interpolation, surface analysis, network analysis, watershed management and multicriteria analysis will be taken up. This subject would develop spatial analytical skills of the students.

**Faculty:** Technology  
**Program:** Postgraduate Program in Geomatics  
**Prerequisites:** Students who have cleared course on 'Fundamentals of GIS'

**Time:** 14.30-15.30  
**Days:** Monday

-------------------------------

5564 - Spatial Statistics for Remote Sensing and Digital Image Processing  
**Credits:** 2

**Type:** Lecture  
**Instructor/s:** Jimmy Sethna

This elective course is designed to make students study how to apply statistical tools in Sampling of Remote sensing data with significance to correlation and regression for prediction, Statistically to generate conditional simulation for achieving mapping objectives.

**Faculty:** Technology  
**Program:** Postgraduate Program in Geomatics  
**Prerequisites:** Primary knowledge of Remote Sensing and Statistics is required.

**Time:** 14.30-17.30  
**Days:** Wednesday

-------------------------------
Services and Advance Technology

1053 - Building Quantity and Costs
Credits: 2
Type: Lecture
Instructor/s: Ajit Desai
This lecture based course is an introduction and overview of building cost estimation. The course will cover methods of estimation, taking of measurements, preparation of schedule of quantities, rate analysis of items of work, preparation of estimates and recapitulation, specifications in brief, principal material requirements and their co-relation to estimates.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 4th year onwards UG Architecture only
Time: 08.30-10.30
Days: Monday

2042 - Interior Services - I (P+E)
Credits: 2
Type: Lecture
Instructor/s: Komal Dighe
This course gives students an understanding of the services (Electrical & Plumbing) in Interior spaces and exposes them to the materials used, elements required, techniques of installation, designing the services in interior spaces and elements and step by step actualization on site.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Open for all
Time: 16.30-18.30
Days: Tuesday

5045 - Hydraulics and Fluid Mechanics Lab
Credits: 1
Type: Workshop
Instructor/s: Dipsha Shah
This course is offer to the students to understand the various hydraulic principles and measurement devices through experiment.
Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Registration in Hydraulics and Fluid Mechanics Theory
Time: 14.30-16.30
Days: Monday, Wednesday

5062 - Heating Ventilation and Air Conditioning [HVAC]
Credits: 3
Type: Lecture
Instructor/s: Ashutosh Shukla
Air conditioning is no more considered a luxury. It is fast becoming necessity for human comfort, healthy work environment, higher efficiency and hence finds wide application for commercial and residential purpose. The technocrats involved in designing and planning of buildings should have basic knowledge regarding ventilation and air-conditioning. This will help for (1) Better coordination with HVAC consultants during project planning and execution (2) To provide adequate space to install HVAC plants at suitable location, (3) To correlate ducting and piping work along with electrical work and other utilities (4) To adopt Green Building concept for saving energy while operating HVAC systems.
Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: All PG Students
Time: 14.30-16.30
Days: Thursday

5546 - Repairs and Rehabilitation of Structures
Credits: 3
Type: Lecture
Instructor/s: R.J. Shah
Investigation and evaluation of distressed structures, materials & technologies for repair, strengthening and stabilization of structures.
Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: PG Students and final year UG students with knowledge of construction failure
Time: 10.30-12.30, 09.30-10.30
Days: Thursday, Friday

5547 - Advanced Material and Construction Technology
Credits: 2
Type: Lecture
Instructor/s: Jyoti Trivedi, S.P. Sapre
The objective of the course is to introduce modern construction materials and technologies for infrastructure projects. The course would cover the latest materials and technological advancements in infrastructure sector for improving construction operations and controlling construction processes.
Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: All PG Students
Time: 14.30-16.30
Days: Thursday
5550 - Water Supply Engineering & Design

Credits: 2

Type: Lecture

Instructor/s: Dipsha Shah

The course covers the types of sources of water, types of intake structure, conventional water treatment processes and distribution system and management of water supply. The students would learn the basics of water treatment and design of the unit operations and processes. The course would also include case studies of PPPs in water supply management.

Faculty: Technology

Program: Postgraduate Program in Engineering Design

Prerequisites: PG FoT only

Time: 14.30-16.30

Days: Friday

.................................................................
1015 - Architectural Design Studio 8
Credits: 8
Type: Studio
Instructor/s: Nilin Raje, Sharad Panchal, Gurjit Singh

A choice of studios is offered in this course. The studios focus on developing an understanding of complex issues related to urban settings through projects varying from urban inserts, urban housing and institutional design. Students are exposed to multiple design methods and are expected to propose innovative yet contextual response to the given conditions.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Office Training
Days: Monday, Wednesday, Thursday, Friday

1016 - Architectural Design Studio 9
Credits: 8
Type: Studio
Instructor/s: Meghal Arya

Students develop their own design projects in this course. The focus of the course is on individual development and maturity, ability to bring together various determinants into an integral whole, within defined design positions.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Studio 8
Days: Monday, Wednesday, Thursday, Friday

1031 - Studio II
Credits: 4
Type: Studio
Instructor/s: Sachin Soni, Rathin Goghani, Puneet Mehrotra

Emphasis of this studio is the development of Architectural Design Language through spatial ordering mechanisms and programmatic interpretation. Dwelling on design parameters such as program, site-location, choice of theme, spatial orders and spatial scales, the Studio will explore evolution of architectural language through principles of abstraction, space-form-structure-site correlations, and the disciplines of building and sensory qualities. Studio will comprise of the design of small institutions with key inputs on program-site analysis, area-volume diagrams, overlays, spatial structural system models and use of different media and representational techniques.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Mandatory for FA UG
Time: 10.30-13.30, 10.30-13.30
Days: Monday, Thursday

1032 - Basic Design II
Credits: 2
Type: Workshop
Instructor/s: Pratyush Shankar, Sinali Ratanlal

This course is an essential introduction to the students of Architecture to develop methods to learn basics of designing using different materials, while addressing varied objectives. The particular course aims at developing three-dimension visualization and understanding of material limits in workshop-based environment. The aim is to create various prototypes that bring together construction, design and anthropometric understanding while demonstrating an ability to learn basic of material handling. First hand experience of various material and making of real scale objects is an important part of the course. Certain exercises in drawing and abstraction are also introduced to encourage students to create space in two dimensions.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Studio 2 Cleared
Days: Monday, Wednesday, Friday

1042 - Architectural Design Studio 4 (Environmental and Cultural Dimension)
Credits: 6
Type: Studio
Instructor/s: Gauri Bharat, Milind Patel, Krishnakant

This studio will deal with the dwelling environments of a small community, with a focus on the integration of cultural patterns and environmental characteristics in the process of developing an architectural form. It will introduce the ideas of type and typology through the study of correlation between climate-environmental parameters and social-cultural patterns as generators of an architectural space. Using field studies and analytical frameworks, it will explore the above patterns at the level of dwelling unit and the group of units through the analysis of site & activity patterns, principles & scales of grouping, and issues of appropriate building technology.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Studio 4 Cleared
Days: Monday, Wednesday, Friday

1519 - Studio II (UD)
Credits: 8
Type: Studio
Instructor/s: Ayaz Pathan, Pragnesh Patel, Alexandre d’Aram, Aditya Patel

The emphasis of this course is the role of construction in evolving architectural expression. The course will focus on design detail as vital part of architectural expression. Integration of building systems, clarity and effective communication of production drawings.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Studio 2 Cleared
Days: Monday, Wednesday, Friday
Indian cities are experiencing a substantial growth rate for the last two decades. The increasing population, which the city has to accommodate, has lead to more pressure on already built areas and the extension of development on its periphery. Such peripheral extensions are usually executed in a “piece meal” manner by concerned authorities, often based on development plan without any Urban Design inputs. This has resulted in un-planned development, poor quality of life for occupants and environmental stress in the surrounding areas. The process of urban extension need to be comprehended planned and designed to ensure better living conditions.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: M.Arch.(UD) Semester I
Days: Monday, Wednesday, Thursday, Friday

1520 - Studio Seminar
Credits: 2
Type: Seminar
Instructor/s: Rajiv Kadam

Specific Input sessions related to the studio.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: M.Arch.(UD) Semester I
Time: 08.30-10.30
Days: Wednesday

1524 - Studio Seminar
Credits: 2
Type: Seminar
Instructor/s: K. B. Jain

Studies in oppositions in relation to historic contexts.
Various attitudes to new interventions.
Continuity of the traditions in building. New technologies and new expressions.
Emerging new forms.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: M.Arch.(TD) Semester I
Time: 08.30-10.30
Days: Wednesday

1527 - Studio II (ASC)
Credits: 8
Type: Studio
Instructor/s: Kamalika Bose

The second semester studio focuses on the complete understanding of traditional pol house as the constituting module of urban settlement in Ahmedabad. Studying the architecture of built environment in a cultural context and understanding the role assumed by available materials, indigenous techniques of construction and cultural beliefs in shaping built environment in the old city of Ahmedabad.

Considering the above as an important heritage, develop relevant understanding for its conservation as a resource for economic regeneration and evolving wisdom.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: M.Arch.(ASC) Semester I
Time: 10.30-13.30, 10.30-13.30
Days: Monday, Wednesday, Thursday, Friday

1528 - Studio Workshop

Credits: 2
Type: Studio
Instructor/s: PKV Nair

Workshop course is attached to Studio for Studio related inputs which are aimed at strengthening the studio learning contents. This workshop will orient the students towards various aspects of building restoration with an opportunity to experience actual works of Restoration and also would help them discuss the contemporary need for adaptive reuse in historic buildings.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: M.Arch.(ASC) Semester I
Time: 08.30-10.30
Days: Wednesday

1533 - Studio II (SA)
Credits: 8
Type: Studio
Instructor/s: Miki Desai, Vishwanath Kashikar

The design studio will explore sustainability through a study of changing cultural and societal conditions in a climatically stable context. The shift from an agrarian feudal society to a post-industrial information society; the changing lifestyle as a result of ‘progress’; and the changing values ascribed to the individual and the collective will be explored through a housing design project in a traditional neighbourhood.

Emphasis will be given to questioning the changing notions of human comfort; appropriateness of the housing type in the given cultural and temporal context; and the social implications of housing delivery mechanisms.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: M.Arch.(SA) Semester I
Time: 10.30-13.30, 10.30-13.30
Days: Monday, Wednesday, Thursday, Friday

1540 - Landscape Design Studio – II MLA / MLD
Credits: 8
Type: Studio
Instructor/s: Bobby Sujan, Divya Shah, Parin Shah
The studio exercises will involve students in looking at some of the following situations - urban context, historical landscape, specialized landscape situations, industrial landscapes, recreational landscapes, ecology and the city. Understanding of ecologically sustainable development would be the underlying theme. This comprehensive design project that takes a landscape district and each student designs a part to form a cohesive status.

Faculty: Architecture

Program: Postgraduate Program in Landscape Architecture

Prerequisites: Only of MLA/MLD Students


Days: Monday, Wednesday, Thursday, Friday

2032 - Basic Design - II

Credits: 4

Type: Workshop

Instructor/s: Kireet Patel, Rishav Jain

This studio discusses interior spaces and built forms, understood through solid and void relationship. It also focuses on spatial, architectural and interior elements. It helps understanding of spatial relationships between architectural principles, elements and their systems, scale, light and movement. It explores the relationship between spatial, architectural and interior elements and their impact on layouts and space planning relationships.

Faculty: Design

Program: Undergraduate Program in Interior Design

Prerequisites: Students who have cleared Basic Design - I from the Faculty of Design are eligible for the course.


Days: Monday, Wednesday, Friday

2043 - Interior Design Studio - IV

Credits: 6

Type: Studio

Instructor/s: Snehal Nagarseth, Sidharth Singh

This studio attempts to interpret the correlation of public place and the ideas of collective presence in a civic world. It focuses on understanding organizations of different types and development of language that is appropriate to the public realm. The projects rely on inputs that are site specific as well as based on generic understanding that define public life in question. The studio builds up to an understanding that questions the role of collective and generic on the one hand and individual behaviors on the other.

Faculty: Design

Program: Undergraduate Program in Interior Design

Prerequisites: Students who have cleared Interior Design Studio - I from the Faculty of Design are eligible for the course.


Days: Monday, Wednesday, Friday

2048 - Interior Design Studio - V (Adaptive Reuse)

Credits: 6

Type: Studio

Instructor/s: Shruti Tamboli, Kamalika Bose

The intent of the studio is to explore interior design as a tool for reading and acting within sites of rich historic and cultural significance. Aimed at adaptively reusing the identified site/s, the character-defining features are recognized and the multiple narratives of social and cultural history embedded within the physical fabric, review past and current patterns of use in the area, and work on a program based on economic and social needs, leads to an appropriate design intervention.

Faculty: Design

Program: Undergraduate Program in Interior Design

Prerequisites: Students who have cleared Interior Design Studio - IV from the Faculty of Design are eligible for the course.

Time: 10.30-14.30, 10.30-14.30, 10.30-14.30

Days: Monday, Wednesday, Friday

4019 - Rural Lab: Rural Development and Livelihoods

Credits: 6

Type: Studio

Instructor/s: Madhu Bharti, Ravi Sannabhadi, 1 VF

The objective of this course is to introduce the students to the concept of 'Rural Community'. The character of 'Rural' as differentiated by settlement character, existence and functioning of local government, occupation structure. Through the study of few rural settlements it is proposed to develop an understanding of development process, rural development schemes and concerns.

Faculty: Planning

Program: Postgraduate Program in Rural Planning

Prerequisites: Students who have successfully completed '2503 Building Energy Efficiency Workshop' are eligible. This course is mandatory for MIA/IMAID students registering for semester II.

Time: 10.30-13.30

Days: Monday, Friday

2515 - Advanced Building Energy Efficiency Studio

Credits: 4

Type: Studio

Instructor/s: Munjal Bhatt, Sanyogita Manu

This course will build advanced capabilities for understanding the performance of and designing building components affecting building energy efficiency, such as envelope, systems and human behaviour. It will help students to understand the delicate balance and resultant trade-offs between the aforementioned components and passive and active strategies. Building energy simulation, surveys, measurements and experiments will be used as primary tools to meet the objectives of this course.

Faculty: Design

Program: Postgraduate Program in Interior Architecture & Design

Prerequisites: Students who have successfully completed '2503 Building Energy Efficiency Workshop' are eligible. This course is mandatory for MIA/IMAID students registering for semester II.

Time: 10.30-13.30

Days: Monday, Friday

2038 - Interior Design Studio - II

Credits: 6

Type: Studio

Instructor/s: Jay Thakkar, Parantap Bhatt

This studio course involves the generation of small-scale interior environment through research, analysis, programming, conceptualization and design. The projects include exercises in spatial planning, circulation, articulation and organization of products/objects, and material exploration. The emphasis is on interaction of individual to individual, individual to group and both to the products/objects within public domain. The students deal with real time situation of site and contextual response.
Program: Undergraduate Program in Planning
Prerequisites: Only for B Plan
Days: Monday, Wednesday, Friday

4023 - Infrastructure Planning Lab
Credits: 6
Type: Studio
Instructor/s: Neeru Bansal, Subhrangsu Goswami, 2 VF's

This lab will focus on planning of basic infrastructure including roads and transportation at local area level & its integration with the larger plan. This lab is structured for students to know various elements of basic infrastructure, the interactions within and amongst them, assessing and analysing the existing situation, its issues and opportunities and proceed to rationally create an optimal intervention / improvement plan.

Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: Only for B Plan
Days: Monday, Wednesday, Friday

4030 - Urban Development Lab
Credits: 6
Type: Studio
Instructor/s: Rutul Joshi, Minal Pathak

Urban Development Studio focuses on preparing a development plan for a town in Gujarat while critically appraising the contemporary relevance of the same. A typical development plan consists of land use strategies, transportation and infrastructure network development for the forthcoming twenty years with the objectives of strengthening the public realm and quality of life in an urban area.

Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: Only for B Plan
Days: Monday, Wednesday, Friday

4519 - City Infrastructure Prioritization Studio
Credits: 8
Type: Studio
Instructor/s: Saswat Bandypadhyay

City Infrastructure Planning involves several subsectors and institutions engaged in planning, designing, delivery and management of Infrastructure Services. This studio intends to develop a detailed understanding of how city level infrastructure planning norms and regulations, demand assessment and projects, prioritization of infrastructure and investment outlines. Participants will work in teams to deal with macro to micro as well as sectoral issues and develop an integrated perspective of City Infrastructure Planning.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all M.Plan students
Days: Monday, Wednesday, Thursday, Friday

4520 - Environmental Planning Studio
Credits: 8
Type: Studio
Instructor/s: Ashwani Kumar

Description: The studio in urban environmental focus to analyze the issues on related to natural, physical, social, amenity ranging from air, industrial pollution to degradation of water systems including river/lake/groundwater etc. to waste using the various approaches such as pollution reduction ecological, resources Bioregion or Sensitive areas conservation, zoning and land use planning. The studio also encourages employing tools and methods of environmental information, thematic mapping, trends, environmental hotspots, environmental indices, spatial multi-criteria evaluation etc.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all M.Plan students
Days: Monday, Wednesday, Thursday, Friday

4521 - Strategic Transportation Plan for a city
Credits: 8
Type: Studio
Instructor/s: Shalini Sinha, Nitika Bhakuni

The students prepare a strategic transportation plan for a city which requires data collection with respect to land use, transport and socio economic characteristics of the case study city. Based on the existing situation analysis, they develop a long term vision for the city and propose alternative development strategies and appraise them to arrive at the most optimal set of land use transport proposals.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all M.Plan students
Days: Monday, Wednesday, Thursday, Friday

5060 - Measure Drawing Studio
Credits: 2
Type: Studio
Instructor/s: Ajay C Patel

It is to know the importance of architectural presentation drawing working drawing, in building construction industry. Experience can be made stronger through self learning exercise. By measuring existing buildings (in brick, concrete, steel, wood...). Drawings are to make architects, engineers and all other consultants responsible.

Faculty: Technology
Program: Undergraduate Program in Construction Technology

Prerequisites: Students who have completed 3rd semester

Time: 14.30-18.30

Days: Wednesday

-----------------------------------------------

5536 - Construction Management-II

Credits: 4

Type: Studio

Instructor/s: P.V.Akalkotkar, Jyoti Trivedi

The studio is an extension of construction management-I which addresses the culture, principles, and techniques of constructions management.

Faculty: Technology

Program: Postgraduate Program in Construction Engineering

Prerequisites: Studio-I (CM-I). Mandatory for PG CEM. PG students only

Time: 10.30-13.30, 10.30-13.30

Days: Monday, Wednesday

-----------------------------------------------

5544 - Studio-II, Multi Storey Structures

Credits: 4

Type: Studio

Instructor/s: Dhara Shah, Bhairav Patel, Meen Shah

Analysis, designing and detailing of multi storied structures. An extension of STUDIO-I, where in students take up individual live project. They prepare structural system at all levels. Thereafter, they analyze, design and detail the structure for gravity as well as lateral loads using software.

Faculty: Technology

Program: Postgraduate Program in Engineering Design

Prerequisites: Studio-I (Gravity Structures) of PG SED

Time: 10.30-13.30, 10.30-13.30

Days: Monday, Wednesday

-----------------------------------------------

5551 - Infrastructure Design - City Level

Credits: 8

Type: Studio

Instructor/s: Tushar Bose, Aasim Mansuri, Jaladhi Patel, Bhargav Adhvaryu

This studio would cover the assessment and planning of city level sanitation infrastructure. The students would be required to understand and analyze the cycle of sanitation for a selected town. This would cover analysis of types of toilets, treatment of septage, conveyance of sewage and treatment and disposal of sewage. The students would be required to explore, analyze and design new sanitation options for the town.

Faculty: Technology

Program: Postgraduate Program in Engineering Design

Prerequisites: For MIED students only


Days: Monday, Wednesday, Thursday, Friday

-----------------------------------------------

5558 - Geospatial Applications (Lab/Studio)

Credits: 5

Type: Studio

Instructor/s: Charanjeet Singh, Anjana Vyas, Darshana Rawal, Shaily Gandhi

The main aim of the lab is to give a broad scenario of the applications of the GIS and RS in various areas such as urban planning, natural resources, disaster, climate change etc. The student would be able to develop independent application in the area of his/ her interest. It will allow students to think beyond the simple questions such as 'Where it is to the question 'why is it'. The lab will broaden the base of GIS theory established in the introductory course.

Faculty: Technology

Program: Postgraduate Program in Geomatics

Prerequisites: Second Semester Students of Geomatics


Days: Monday, Wednesday, Thursday, Friday

-----------------------------------------------


Technical Drawing and Visualization

1024 - Techniques of Model Making

Credits: 2
Type: Workshop
Instructor(s): Dilip Panchal, Krunal Mistry

Various techniques of architectural model making are taught and explored in this workshop. This course is recommended for first year students who wish to develop model-making skills. Apart from skill development, the course also includes discussions on the selection of appropriate model making techniques in relation to stage of design.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 14.30-18.30
Days: Friday

---------

1037 - Visual Representation – 2

Credits: 5
Type: Workshop
Instructor(s): Sharad Panchal, Sachin Soni

Emphasis of this course is to use drawing as a medium of spatial visualization. Students will be introduced to various drawing mediums, both technical and non-technical, to represent as well as understand the qualities of spaces. Course will explore diverse visual mediums such as graphite, ink, charcoal, colour - paint, collage, reliefs, pop-ups, etc. through technical drafting, freehand sketching and combination of both to probe into the spatial characteristics of built-environments.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: UG Architecture only
Time: 08.30-10.30, 14.30-18.30
Days: Tuesday, Tuesday, Thursday

---------

2033 - VR-Technical Representation Drawings - II

Credits: 3
Type: Workshop
Instructor(s): Kireet Patel

This course explores drawing skills and technical skills as tools of design thinking, visualization and representation. It also deals with presentation skills to inform, communicate and to convey thoughts, ideas and design.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared VR - TRD - I from the Faculty of Design are eligible for the course.
Time: 14.30-17.30, 14.30-17.30
Days: Tuesday, Thursday

---------

2035 - Material and Method of Construction - II

Credits: 3
Type: Workshop
Instructor(s): Amal Shah, Ramesh Patel

The course will focus on advanced material understanding with the idea of non engineering materials and their processes through assignments and market research.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: UG students: 2nd year and above Cleared BMMC-1, BMMC-2 under the old course.
Time: 14.30-17.30
Days: Thursday

---------

2041 - Material and Method of Construction - III

Credits: 2
Type: Lecture
Instructor(s): Amal Shah

The course focuses on applied materials understanding with the idea of non engineering materials, their finishes, applications, techniques and processes through assignments and research.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: UG Students: Cleared BMMC-1 from the Faculty of Design
Time: 14.30-17.30
Days: Monday, Friday

---------

2044 - Interior Construction Drawing - II

Credits: 3
Type: Workshop
Instructor(s): Amal Shah, Unvi Sheth

The course focuses on the communication of technical details in the process of construction. Students learn to make working drawings with the idea of systems and employing a holistic approach.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: UG students: Cleared Interior Design Studio - III, ICD-1 as well as Int. Services - II & Digi. Tech. - I.
Time: 14.30-17.30, 14.30-17.30
Days: Tuesday, Thursday
2053 - Digital Technology - II
Credits: 2
Type: Workshop
Instructor/s: Amal Shah

The course explores the use of the digital medium as a tool of both design as well as its representation. It introduces the students to the various techniques of three dimensional form explorations with the help of AutoCAD and the techniques of two dimensional representations with the help of Adobe Photoshop.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: For UG students: 2nd Year and above, Sound knowledge of AutoCAD 2D functions, A Laptop. For PG students: Sound knowledge of AutoCAD 2D functions, A Laptop.
Time: 08.30-10.30, 08.30-10.30
Days: Monday, Wednesday

2056 - Made to Measure
Credits: 2
Type: Workshop
Instructor/s: Aditi Vashisht, Anuj Anjaria

Measurement is fundamental to everything built and constructed. Measurement orders our world and justifies both function and beauty. The aim of this course is to understand the critical role of measurements, dimensions, proportions and geometries in our built environment through measure drawing. The course deals with varying scales - ranging from furniture pieces to built spaces and explores techniques of representation appropriate to the purpose of measure drawing.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Open to all
Time: 14.30-18.30
Days: Wednesday

5048 - Building Construction Drawing – II
Credits: 2
Type: Workshop
Instructor/s: Pavni Pandya, Yogesh Gandevikar

To impart students practical experience of making Building Construction Drawings (Working Drawings) for load bearing construction of ground + one storey building, so that students realize the importance of drawings in the process of construction. Also by making construction drawings, students are able to understand and interpret them and if required make the drawings correctly. It covers measurements and drawing plans, sections and elevations of a residential building.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: UG students who have completed any basic drawing course
Time: 08.30-10.30, 08.30-10.30
Days: Wednesday, Thursday
Technology

1033 - Joinery in Building Elements
Credits: 3
Type: Workshop
Instructor/s: Sankalpa, Ayaz Pathan
The workshop course undertakes a series of hands-on exploration into making of joinery in different material. It systematically builds on this exploration with theoretical lectures on material-joinery relationship and brings out their element making ability. The course also gives an outline of the building elements classifies according to sequence of construction, location of elements (internal/external), role in load transfer (load bearing/non load bearing; horizontal/vertical) and resource use.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Building Material 1
Time: 14.30-17.30, 14.30-17.30
Days: Monday, Wednesday

1034 - Fundamentals of Structures II
Credits: 2
Type: Lecture
Instructor/s: V.R Shah, Mangesh Belsare
The course aims at developing the understanding of relationship of material and form. To develop such understanding the study of structural properties of materials, processes involved in construction, behaviour of structural systems and historical context is essential. Course covers structural materials like stone, timber, brick, mud, steel, reinforced concrete etc. with systems like post and beam, rigid frames, trusses and space frames, folded plates and shells.
The course will be conducted mainly as lectures and classroom discussions. The relevant assignments will cover study of systems and material properties along with required site visits.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Fundamentals of Structure I
Time: 08.30-10.30
Days: Wednesday

1038 - Building Elements 2
Credits: 2
Type: Workshop
Instructor/s: Mona Khakkar, Parshad Panchal
The emphasis of this workshop course is to get an understanding of the building systems. More so, it focuses on the service aspect of the building system (e.g. water supply and drainage, electrical, HVAC, fire protection etc.) through site studies and theoretical lectures. Students are also exposed to construction sequence in traditional construction technique, pre fabrication and pre-engineered structures.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Building Elements 1
Time: 14.30-16.30
Days: Wednesday

1044 - Building Technology
Credits: 2
Type: Lecture
Instructor/s: Mona Khakkar
The course consists of advanced construction technology and materials. It encompasses the construction technologies and materials not used in conventional construction. The course integrates various building systems, modes and methods of construction, material flow and construction sequences using the non-conventional technology in order to understand a building in holistic sense.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: UG Architecture only
Time: 08.30-10.30
Days: Monday

1053 - Building Quantity and Costs
Credits: 2
Type: Lecture
Instructor/s: Ajit Desai
This lecture based course is an introduction and overview of building cost estimation. The course will cover methods of estimation, taking of measurements, preparation of schedule of quantities, rate analysis of items of work, preparation of estimates and recapitulation, specifications in brief, principal material requirements and their co-relation to estimates.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 4th year onwards UG Architecture only
Time: 08.30-10.30
Days: Monday

1054 - Deployable Systems
Credits: 2
Type: Workshop
Instructor/s: Krunal Patel, Aditya Patel
A system of assembly with mechanical joinery detail which allows it to transform into different forms, sizes and shapes as per the requirement can be called a deployable system. The intent of
this workshop is to develop an understanding of the basic alphabets of various deployable systems through a few exercises. The workshop aims to explore different possibilities in which a deployable system can be applied to various design fields and use it to its advantage through models. It also intends to come up with a few selected designs being actually executed as prototypes.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 14.30-18.30
Days: Wednesday

1057 - The world of Earth and Bamboo
Credits: 2
Type: Workshop
Instructor/s: Sankalpa
The course outlines a journey to bring about various facets of earth and bamboo as a form giving material. This workshop course shall dwell upon the idea of hands on exploration with theoretical input as a way to discuss joiery, components, systems and eventually a building language that develops out of it. It would also bring about questions of technology and choice of living; society and perception of material: culture and forms of expression to open up both architectural-technological as well as societal dimension in this course.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 3rd year and above UG only
Time: 14.30-18.30
Days: Tuesday

1067 – The Smart Ones Behind Your Smart Phones
Credits: 1
Type: Lecture
Instructor/s: Bhas Bapat
Covers modern physics behind the technological advances that we so take for granted. Historical perspectives will be proved while presenting the development of electromagnetism, quantum mechanics and condensed matter physics on experimental and theoretical fronts. The course will aim to expose students to the process of abstraction and building of models based on rationalization and evidence from experiments, while also giving an idea of the journey from abstract ideas to practical realizations.

We will begin by looking at the gross manner of functioning of common gadgets, electronic as well as non-electronic, simple ones as well as complex ones. We will break down their functioning to the underlying physical principles. Whenever appropriate, we will look at common features in the functioning, and try to understand how small differences in application of a few basic principles can alter the technological face of physical principle. In the second half of the course we will focus on some of the developments in physics in the early part of the 20th century, leaving aside the technological implications and applications.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 17.30-18.30, 17.30-18.30
Days: Monday, Thursday

1532 - Structures II
Credits: 2
Type: Lecture
Instructor/s: R. J. Shah
The overall emphasis of the Structures course is to appraise regarding the behavior of basic structural elements and structural system with an emphasis to such elements and systems adopted in old structures of historic, archeological and architectural importance, to appraise regarding materials and methods of construction adopted in such structures and to enable them to use this information for restoring such structures.

Faculty: Architecture
Program: Postgraduate Program in Architecture
Prerequisites: Mandatory for M.Arch.(ASC) Semester II, Completion of Structures I offered as a part of M.Arch Program.
Time: 08.30-10.30
Days: Thursday

1541 - Landscape Engineering – II (Water systems)
Credits: 1
Type: Lecture
Instructor/s: Rashab Jain
This lecture course deals with advanced engineering topics and techniques looking into design of water features and appropriate irrigation systems as essential part of Landscape design. The subject looks at qualities of water, scope, types of display and design of water features and design of irrigation system based on various types of landscaped areas.

Faculty: Architecture
Program: Postgraduate Program in Landscape Architecture
Prerequisites: Undergraduate students 4th year onwards, Postgraduate students
Time: 17.30-18.30
Days: Monday

2035 - Material and Method of Construction - II
Credits: 3
Type: Workshop
Instructor/s: Amal Shah, Rishav Jain
The course will focus on advanced material understanding with the idea of non engineering materials and their process with the idea of techniques of making interior spatial components.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: UG students: Cleared BMMC-1 under the old course. 2013 batch students: none.
Time: 14.30-17.30, 14.30-17.30
Days: Monday, Friday

2037 - Structure & Material - II
Credits: 2
Type: Lecture
Instructor/s: Shehzad Irani
This course is an introduction to basic structural principles — forces and loads and type of structures and geometries — illustrated with examples from immediate built environment, and explored through model making, cognitive learning through examples and site visits.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared Str.& Mat. - I from the Faculty of Design are eligible for the course.
Time: 08.30-10.30
Days: Tuesday
2041 - Material and Method of Construction - III

Credits: 2
Type: Lecture
Instructor/s: Amal Shah

The course focuses on applied materials understanding with the idea of non-engineering materials, their finishes, applications, techniques and processes through assignments and market research.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: UG students: 2nd year and above Cleared BMIC-1, BMIC-2 under the old course.
Time: 14.30-17.30
Days: Thursday

-----------------------------------------------

2050 - Renovation & Alteration

Credits: 2
Type: Lecture
Instructor/s: V.R. Shah, Poonam Jolly

This course is conducted in two modules. The first module deals with developing a theoretical understanding of the different structural systems and the possibilities of change within these systems. The second module addresses the procedural aspects of renovation and alteration. It will involve understanding the phases of planning, management and execution vis-a-vis different kinds of structural changes. Site visits will be an integral part of the course.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared Int. Design Studio - IV & Int. Const. Drg. - II are eligible for the course.
Time: 14.30-16.30
Days: Tuesday

-----------------------------------------------

2058 - FabLab Bootcamp

Credits: 3
Type: Workshop
Instructor/s: Henry Skupniewicz

Make (almost) anything. Tools and processes open up doors to us as designers; new materials and machines allow us to make objects that even 10 years ago were unthinkable; and the software and digital tools in our hands now allow for great feats of form and substance. The FabLab gives anyone access to a wide range of tools - from milling machines to 3d printers - and this class lets your imagination be your only limitation. In this class, skills are developed with software, machinery, and other tools; design thinking will complement these, and foster the great designer and inventor within each of us.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Open to all
Time: 14.30-17.30, 14.30-17.30
Days: Monday, Wednesday

-----------------------------------------------

2512 - Crafts: Contemporary Orientation in Interior Architecture

Credits: 2
Type: Lecture
Instructor/s: Kreet Patel

Crafts of buildings as potential technological situation can emerge as an unique opportunity in practices of architecture and interior design. We are constantly in search of cultural meaning in architecture and interior design. Manual skills are rooted in our culture and are still present in our society.

Can practices of architecture and interior design learn to give importance to crafts of buildings and crafts communities such that it enriches crafts and our life in general?

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have successfully completed '2505 Cultural Perception of Crafts' are eligible. This course is mandatory for MIAD/IMIAD students registering for semester II.
Time: 08.30-10.30
Days: Tuesday

-----------------------------------------------

4015 - Introduction to Civil & Structural Engineering

Credits: 2
Type: Lecture
Instructor/s: Anal Shet

The civil engineering is about planning, designing and constructing structures and infrastructure. It encompasses of many engineering disciplines like structural engineering, water supply and sewerage engineering, transportation engineering, environmental engineering, geotechnical engineering, marine engineering etc. Course aims at making students aware about various disciplines and sub-disciplines of civil engineering.

Faculty: Planning
Program: Undergraduate Program in Planning
Prerequisites: Open to all
Time: 14.30-16.30
Days: Monday

-----------------------------------------------

4517 - Transport Infrastructure Planning and Design

Credits: 2
Type: Lecture
Instructor/s: Abhijit Lokre

This course presents students with a comprehensive overview of transport infrastructure planning and design. It focuses on the design of streets and intersections, and the planning and design of infrastructure for easy mobility of pedestrians and cyclists. It also deals with the
design of multi-modal public transport infrastructure, such as interchanges, terminals, depots, workshops, and turn-arounds.

**Faculty:** Planning

**Program:** Postgraduate Program in Planning

**Prerequisites:** Open to all PG students

**Time:** 08.30-10.30

**Days:** Tuesday

---

**5038 - Engineering Material – II Theory**

**Credits:** 2

**Type:** Lecture

**Instructor/s:** Anal Sheth

This course introduces the five major categories of (manufactured) materials that have brought revolutionary changes in the construction industry - (a) Concrete and concreting materials viz aggregates, cement, admixtures (b) Ferrous and non ferrous materials including stainless steel (c) Polymers and plastics (d) Glass (e) Composite materials. The course addresses the manufacturing, properties, types, applications and method/operations for application of these materials. The course also covers the environmental concerns and the ongoing R&D in context of these materials.

**Faculty:** Technology

**Program:** Undergraduate Program in Construction Technology

**Prerequisites:** Any 1st year UG students

**Time:** 08.30-10.30

**Days:** Tuesday

---

**5039 - Engineering Material – II Lab**

**Credits:** 2

**Type:** Workshop

**Instructor/s:** Pavni Pandya

This supplementary course is to reinforce Engineering Materials II theory class and attempts to give a hands on experience to properties of concrete, concreting materials and steel. The course also includes visits to manufacturing plants such as glass, ready mix concrete and cement plant, aggregate quarry, rolling mill, FRP/Composite material application/construction sites.

**Faculty:** Technology

**Program:** Undergraduate Program in Construction Technology

---

**5040 - Fundamental of Structures & Mechanics**

**Credits:** 3

**Type:** Workshop

**Instructor/s:** Anal Sheth, Dipsha Shah

The course has a twofold objective: (a) Understanding of structural behavior: an overview of various types of the structures and their requirements; the concerns due to effects of loads that can act on a structure and measures to address these concerns; aspects of structural planning, analysis and design. The course illustrates the behavior of structural elements under loads using models and structural systems through case study of various structures. (b) Introduction to basic mechanics: introduction to the principles of basic mechanics (statics and dynamics) that aid in the analysis and design process.

**Faculty:** Technology

**Program:** Undergraduate Program in Construction Technology

**Prerequisites:** Any 1st year UG students

**Time:** 10.30-13.30, 10.30-13.30

**Days:** Monday, Thursday

---

**5041 - Surveying & Levelling Theory**

**Credits:** 3

**Type:** Lecture

**Instructor/s:** Komal Parikh

The objective of this course is to enable students to understand salient methods to be applied; selection of instruments, operational skill and concluding process for desired information in the aspects of preparation of maps, interpretation of details, working out necessary quantities of areas, volumes etc. and to develop a skill in the use of advance technique such as total station, GPS in surveying.

**Faculty:** Technology

**Program:** Undergraduate Program in Construction Technology

**Prerequisites:** Clearance of Structural Analysis I

**Time:** 10.30-13.30, 10.30-13.30

**Days:** Wednesday, Thursday

---

**5042 - Surveying & Levelling Lab**

**Credits:** 2

**Type:** Workshop

**Instructor/s:** Komal Parikh

The course provides an exercise for taking measurements and preparing plans using theodolite and demonstrates an understanding of area control by tachometer. It explains the methods of establishing the curves by field exercise. It includes exercises in setting out. It also includes field experiment using advance instruments such as total station, GPS.

**Faculty:** Technology

**Program:** Undergraduate Program in Construction Technology

**Prerequisites:** Registration in Surveying Levelling Theory course

**Time:** 08.30-10.30, 08.30-10.30

**Days:** Monday, Thursday

---

**5046 - Structural Analysis – II**

**Credits:** 4

**Type:** Studio

**Instructor/s:** Komal Parikh, Parth Thaker

This course introduces the structural analysis techniques of the primary structural elements under different loading conditions. This course mainly deals with analysis of indeterminate beams, simply supported and continuous slabs and columns. This course also covers the slope and deflection of determinate beams.

**Faculty:** Technology

**Program:** Undergraduate Program in Construction Technology

**Prerequisites:** Any 1st year UG students

**Time:** 10.30-13.30, 10.30-13.30

**Days:** Monday, Thursday

---

**5047 - Construction Technology – II**

**Credits:** 3

**Type:** Lecture

**Instructor/s:** Reshma Shah & Pavni Pandya

To impart knowledge of techniques used in the construction of various components of bearing, frame, composite structures along with
practical experience and related application of Tools, Equipments and Plants used in Construction Industry. It covers topics such as Formwork & Scaffolding Systems, Floors and Floor Finishes, Wall Finishes etc.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Students of 2nd year from any Faculty.
Time: 10.30-13.30, 14.30 - 15.30
Days: Monday, Thursday

5050 - Design of Steel Structures
Credits: 4
Type: Studio
Instructor/s: Parth Thaker

The course introduces the design and detailing of structural steel members and structural systems according to the current IS standards. The course requires the students to do a group project on the design of an industrial building or similar structure.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Clearance of Structural Analysis – I, SA-II
Time: 10.30-13.30, 10.30-13.30
Days: Monday, Friday

5052 - Construction Technology-IV
Credits: 3
Type: Lecture
Instructor/s: S. P. Sapre

To introduce the students to various construction techniques. It covers topics as Deep Foundation, Drilling Techniques, Blasting Methods, Under Pinning, Retaining Walls, Demolition Methods, Ferro cement, Cofferdams, Dewatering Systems, Trenchless Technology, Dredging etc.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: 3rd year students of any Faculty students are eligible
Time: 09.30-10.30, 08.30-10.30
Days: Wednesday, Thursday

5053 - Highway Engineering Theory
Credits: 3
Type: Lecture
Instructor/s: Anal Sheth

The course introduces the fundamentals of traffic engineering, highway planning and investigations with a brief overview of highway development, legislation and administration in the Indian scenario. The course appraises the students on the geometric design, pavement design of flexible and rigid pavements, requirements of highway materials and construction technology with earthwork estimations. The course also addresses quality control, safety, sustainability, intelligent transport models and innovative funding policies (public private partnership) in light of the new visions set forth by MoRTH. The course also requires the students to work towards a project addressing a highway related topic.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: 3rd year students of any Faculty students are eligible
Time: 09.30-10.30, 08.30-10.30
Days: Wednesday, Thursday

5054 - Highway Engineering Lab
Credits: 1
Type: Workshop
Instructor/s: Pavni Pandya

The course is designed to complement the learning of highway engineering theory by field applications and explorations, material testing for highway requirements and a highway design software lab.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Registration in Highway Engineering Theory
Time: 14.30-16.30
Days: Monday

5058 - Digital Multimedia Technology
Credits: 3
Type: Lecture
Instructor/s: N. J. Naidu

Digital multimedia technology is rapidly growing, which changing style and thought of human being. This course will acknowledge by student about the latest development in multimedia technology world over. The overall view of various types of projections like 3D mapping, holography, video distribution, digital display system, AV conferences and digital experience center. The awareness of world latest technology in digital multimedia.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Students who have completed Elective course of BS I or Students should have basic knowledge of IT & Digital Multimedia
Time: 15.30-16.30
Days: Thursday

5063 - Site Investigation and Soil Improvement Techniques
Credits: 2
Type: Lecture
Instructor/s: Pavni Pandya

This lecture course provides students knowledge about site investigation activity in geotechnical context. It introduces students to various soil testing methods on field. This course imparts knowledge about different soil improvement methods such as compaction, vibration, drainage, grouting, injection etc. for enhancing its performance.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: 3rd year and above students of any Faculty
Time: 16.30-18.30
Days: Friday

5064 - Water Resources Modelling
Credits: 2
Type: Workshop
Instructor/s: S. S. Rao

The knowledge of Water Resources is required in many interdisciplinary sciences like Environmental & infrastructure planning, construction & irrigation engineering, climate change and landscape...
architecture, storm water drainage, watershed management, contamination & pollution in groundwater etc. The theoretical aspects of the Water Resources is being taught in many engineering colleges, but the modern applications and the modelling techniques of the same are least dealt with. The modelling techniques are far more important and urgently required to deal with various practical aspects of water resources and their applications for the day to day tasks and project the effects over the next 30 to 40 years. An attempt is made to develop a short course on Modelling in Water resources with maximum free software available globally and develop suitable models for practical purposes.

Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: 5th year and PG students of any Faculty are eligible -
Time: 14.30-16.30, 14.30-16.30
Days: Monday, Tuesday

5065 - Theory And Design of Irrigation Structures
Credits: 3
Type: Lecture
Instructor/s: Bhargav Tewar, Rakshit Pandit
This course of Hydraulic structures is designed to enable student to know importance of such structures, their site selection, analysis of forces acting on the structure, various aspects related to efficient functioning of structure and design of appurtenant works. Using different theories students will be able to design whole hydraulic structure
Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: 3rd year and above & PG students of any Faculty
Time: 16.30-18.30, 16.30-17.30
Days: Monday, Tuesday

5067 - Renewable Energy Technologies
Credits: 2
Type: Lecture
Instructor/s: C. G. Pandya
All over the world, there is a wave of generating power from renewable sources like wind, solar, ocean, biomass etc. In European Universities and in US universities a number of programs on the subject have now started coming up. For the next 30 years or so, this spate will continue
Faculty: Technology
Program: Undergraduate Program in Construction Technology
Prerequisites: Open to all
Time: 15.30-17.30
Days: Thursday

5513 - Master Builders
Credits: 2
Type: Lecture
Instructor/s: V.R.Shah, Aanal Shah
This course explores the works of great structural designers and engineers in terms of concept, philosophy and innovation. Emphasizing the intuitions and innovations in architecture, design and construction fields. The contribution of the designer towards the innovative form and design philosophy for a given structure has been incorporated along with classroom discussions to focus on the salient features of landmark structures throughout the world.
Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: None
Time: 08.30-10.30
Days: Tuesday

5547 - Advanced Material and Construction Technology
Credits: 2
Type: Lecture
Instructor/s: Jyoti Trivedi, S.P. Sapre
The objective of the course is to introduce modern construction materials and technologies for infrastructure projects. The course would cover the latest materials and technological advancements in infrastructure sector for improving construction operations and controlling construction processes.
Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: All PG
Time: 14.30-16.30

5548 - Traffic and Transport Engineering
Credits: 2
Type: Lecture
Instructor/s: Maulik Shah
The objective of the course is to expose the students with traffic engineering. The course includes travel character analysis, methods of traffic survey and analysis of traffic data, analysis of capacity and understanding lane configuration and geometric design of roads and pavement design. The method of evaluation is through assignment and written exam.
Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: PG FoT only
Time: 17.30-19.30
Days: Tuesday

5549 - Urban Information Systems
Credits: 2
Type: Lecture
Instructor/s: Charanjeet Singh
The course provides insights as to how emerging information and communication technologies are impacting urban development and how such decision supporting tools can be used to understand complex relationships between land use, transportation, environment etc. Much of the coursework involves is focused towards integrating geographic information systems (GIS), multimedia technologies and the design and prototyping of urban planning tools.
Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: PG FoT only
Time: 08.30-10.30
Days: Wednesday

5550 - Water Supply Engineering & Design
Credits: 2
Type: Lecture
Instructor/s: Dipsha Shah
The course covers the types of sources of water, types of intake structure, conventional water treatment processes and distribution system and management of water supply. The students would learn the basics of water treatment and design of the unit operations and processes. The course would also include case studies of PPPs in water supply management.

Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: PG FoT only
Time: 14.30-16.30
Days: Friday

5553 - Energy Infrastructure Systems
Credits: 2
Type: Lecture
Instructor/s: Japen Gor

This module intends to provide thorough technical knowledge and information on renewable energy and non-renewable sources, technologies and methods of utilization of same. The switchover of energy supply from primary sources to secondary is examined and explored in various aspects in this module. The project development of RE plants, feasibilities, policies and market scenarios are covered well in balanced with the technical features.

Faculty: Technology
Program: Postgraduate Program in Engineering Design
Prerequisites: None
Time: 16.30-18.30
Days: Thursday

5554 - Digital Image Processing
Credits: 2
Type: Lecture
Instructor/s: S.S.Palsule

This lecture course will emphasize on basic concepts of Image Processing techniques, Enhancements techniques, Data merging and GIS Integration etc. The theories, techniques and modelling taught in this course have application in several fields of planning, natural resources management, disaster management etc dealing with image data.

Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Basic knowledge of Fundamentals of Remote Sensing
Time: 08.30-10.30
Days: Wednesday

5555 - GIS Customization – I
Credits: 3
Type: Lecture
Instructor/s: Shaily Gandhi

This lecture course focuses on the extension of geographic information systems (GIS) through programming as well as on the development of algorithms for spatial analysis and information extraction in vector and raster data. It will cover different concepts, principles and techniques of programming that helps to solve a variety of spatial problems in physical and human Geography with help of Python for Geoprocessing in ArcGIS as well as for spatial programming in gridded data using Numpy. The students are required to undertake a group project.

Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: None
Time: 14.30-17.30
Days: Tuesday

5556 - Microwave Remote Sensing
Credits: 1
Type: Lecture
Instructor/s: Shiv Mohan

The goal of this lecture course is to take the students beyond what they have learned in a basic remote sensing course. This course will introduce the students to the principles and physics of microwave remote sensing. It includes the sensor technology, platforms and data portals to retrieve data. Principle processing techniques and applications of active and passive microwave remote sensing data will be covered. The students will get deeper insights into the physical principles, analysis techniques and applications of active and passive microwave remote sensing.

Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Knowledge of Fundamentals of Remote Sensing
Time: 17.30-18.30
Days: Tuesday

5557 - Spatial Analysis and Modelling (Advance GIS)
Credits: 1
Type: Lecture
Instructor/s: A.R.Dasgupta

This lecture course will familiarize students with advanced topics of geospatial database, accuracy assessment, 2D and 3D spatial modelling, analysis of discrete and continuous entities in space. There will be special emphasis on statistical analysis of spatial data. Raster-based operations such as map algebra, interpolation, surface analysis, network analysis, watershed management and multicriteria analysis will be taken up. This subject would develop spatial analytical skills of the students.

Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Students who have cleared course on 'Fundamentals of GIS'
Time: 14.30-15.30
Days: Monday

5559 - Digital Image Processing Hands-on
Credits: 1
Type: Workshop
Instructor/s: Vyjayanthi N

This is a workshop course. The theory taught during the lecture based course on Digital Image Processing, the hands-on practical will be held using the digital image processing software. Various Image Processing techniques, Enhancement techniques, Data merging and GIS Integration etc. will be taught with the help of satellite imagery. The practical exercises will emphasis on various applications.

Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Only for those who have opted for Digital Image processing lecture based course
Time: 08.30-10.30
Days: Thursday
5560 - Microwave Remote Sensing
Credits: 2
Type: Workshop
Instructor/s: Bindi Dave
This workshop course is designed to provide hands-on experience with special processing techniques and the possibility of using these techniques for a student-defined term project in areas of geology, hydrology, coastal, environmental sciences, etc. Advanced processing techniques such as InSAR, differential InSAR or polarimetric InSAR will be included and addressed during the practical exercises.
Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Students who have enrolled for Microwave Remote Sensing
Time: 17.30-19.30
Days: Wednesday

5561 - Spatial Analysis and Modelling (Advance GIS) Hands-on
Credits: 2
Type: Workshop
Instructor/s: Anjana Vyas, Bindi Dave
This is a workshop course which deals with the practical hands-on training on the topics covered in lecture base course on Spatial Analysis and Modelling. The emphasis will be given to the statistical analysis of spatial data, Raster-based operations such as map algebra, interpolation, surface analysis, network analysis, watershed management and multi-criteria analysis. This subject would develop students’ spatial analytical skills.
Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Students who have enrolled for Spatial Analysis and Modelling (Advanced GIS) lecture course.
Time: 14.30-17.30
Days: Thursday

5562 - Geographical Information System
Credits: 3
Type: Lecture
Instructor/s: Anjana Vyas, Bindi Dave
This elective course introduces principles, concepts and applications of Geographic Information Systems (GIS); a decision support tool for managers of spatial information. Database development, manipulation and spatial analysis techniques for information generation will be taught. Students will have the scope of using GIS for applications in their related fields such as natural resource management, environment, civil engineering, agriculture, information system, etc. will be discussed through case study and practical exercise.
Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Primary knowledge of Remote Sensing and Statistics is required.
Time: 14.30-17.30
Days: Monday

5563 - GPS and Location Based System
Credits: 3
Type: Lecture
Instructor/s: Darshana Rawal, VF
This elective course is intended to infuse basic principles of Global Positioning System. It would include extensive field work. It will demonstrate clear understanding of the GPS signal, codes and biases. GPS integration with GIS, Mapping and RS would be emphasis for real-time applications such as emergency response system, disaster management, and utility management for human settlements.
Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: None. Open to all
Time: 15.30-18.30
Days: Friday

5564 - Spatial Statistics for Remote Sensing and Digital Image Processing
Credits: 2
Type: Lecture
Instructor/s: Jimmy Sethna
This elective course is designed to make students study how to apply statistical tools in Sampling of Remote sensing data with significance to correlation and regression for prediction. Statistically to generate conditional simulation for achieving mapping objectives.
Faculty: Technology
Program: Postgraduate Program in Geomatics
Prerequisites: Primary knowledge of Remote Sensing and Statistics is required.
Time: 14.30-17.30
Days: Monday
4514 - Urban Transport Infrastructure
Credits: 2
Type: Lecture
Instructor/s: Saswat Bandyopadhyay, Talat Munshi, VF

This course provides students with a sound understanding of the key issues affecting the planning, management and performance of public transport in cities. It covers different public transport (PT) modes, PT network planning principles, performance measurements and the various legislations governing the urban public transport sector.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Friday

4515 - Urban Transport Planning
Credits: 2
Type: Lecture
Instructor/s: Talat Munshi, Rutul Joshi

This course focuses on transport's interrelationship with the urban environment and the built form as a means to derive methodologies for planning transport systems and developing feasible alternatives to existing systems. Emphasis is also placed on developing insight into the transport phenomena and its multi-faceted aspects, the planning process and governance issues, societal and behavioural aspects of mobility, and accessibility analysis for wider social benefits.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 08.30-10.30
Days: Tuesday

4516 - Public Transport Planning
Credits: 2
Type: Lecture
Instructor/s: Manjiri Akalkotkar

This course presents students with a comprehensive overview of transport infrastructure planning and design. It focuses on the design of streets and intersections, and the planning and design of infrastructure for easy mobility of pedestrians and cyclists. It also deals with the design of multi-modal public transport infrastructure, such as interchanges, terminals, depots, workshops, and turn-arounds.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 08.30-10.30
Days: Tuesday

4517 - Transport Infrastructure Planning and Design
Credits: 2
Type: Lecture
Instructor/s: Abhijit Lokre

This course provides students with a sound understanding of the key issues affecting the planning, management and performance of public transport in cities. It covers different public transport (PT) modes, PT network planning principles, performance measurements and the various legislations governing the urban public transport sector.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Friday

4518 - Transport Planning & Modelling
Credits: 2
Type: Lecture
Instructor/s: Shalini Sinha

This course provides a background to transport planning and its interface with land use planning. The students are provided with an understanding of transport data collection and analysis along with demand forecasting. The main areas covered include an overview of the urban transport system, transport planning approaches, data requirements, travel demand modelling, calibration and forecasting.

Faculty: Planning
Program: Postgraduate Program in Engineering Design
Prerequisites: PG FoT only
Time: 17.30-19.30
Days: Tuesday
This course is divided into two modules. The objective of Module-1: Urban Planning is to provide understanding of the various theories of urban planning and design and introduce basic concepts of how cities develop and the various approaches to planning and managing them. The objective of Module-2: Urban Transport Infrastructure is to provide an introduction to urban transport infrastructure planning, design, and management. Key concepts of urban transport planning and modelling will be covered, with a brief introduction to land use—transport interaction modelling.
### Urban and Regional Planning

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Type</th>
<th>Faculty</th>
<th>Program</th>
<th>Prerequisites</th>
<th>Time</th>
<th>Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>4022</td>
<td>Urban Infrastructure (Planning and Design)</td>
<td>2</td>
<td>Lecture</td>
<td>Planning</td>
<td>Undergraduate Program in Planning</td>
<td>Open to all PG students</td>
<td>14.30-16.30</td>
<td>Wednesday</td>
</tr>
<tr>
<td>4027</td>
<td>Urban Governance and Planning</td>
<td>2</td>
<td>Lecture</td>
<td>Shrawan Acharya</td>
<td>Undergraduate Program in Planning</td>
<td>Open to all PG students</td>
<td>14.30-16.30</td>
<td>Monday</td>
</tr>
<tr>
<td>4506</td>
<td>Built Environment and Land Use Planning</td>
<td>2</td>
<td>Lecture</td>
<td>Sejal Patel, Rutul Joshi</td>
<td>Postgraduate Program in Planning</td>
<td>Open to all PG students</td>
<td>14.30-16.30</td>
<td>Monday</td>
</tr>
<tr>
<td>4507</td>
<td>Financing Urban Development</td>
<td>2</td>
<td>Lecture</td>
<td>Mona Iyer, Dinesh Mehta, Meera Mehta</td>
<td>Postgraduate Program in Planning</td>
<td>Open to all PG students</td>
<td>14.30-16.30</td>
<td>Monday</td>
</tr>
<tr>
<td>4508</td>
<td>Fundamentals of Housing</td>
<td>2</td>
<td>Lecture</td>
<td>Ajay Katuri</td>
<td>Postgraduate Program in Planning</td>
<td>Open to all PG students</td>
<td>14.30-17.30</td>
<td>Thursday</td>
</tr>
<tr>
<td>4509</td>
<td>Infrastructure Sub-Systems</td>
<td>2</td>
<td>Lecture</td>
<td>Neeru Bansal, Saswat Bandyopadhyay, VF</td>
<td>Postgraduate Program in Planning</td>
<td>Open to all PG students</td>
<td>16.30-18.30</td>
<td>Tuesday</td>
</tr>
</tbody>
</table>
4510 - Introduction to Environmental Planning

Credits: 2
Type: Lecture
Instructor/s: Ashwani Kumar, Rutool Sharma

This introductory lecture course examines broad concepts of environmental planning, and develops a foundation for understanding the relationships and debates related to environment and development. It introduces key environmental phenomena such as pollution and degradation of natural systems (including water, air, land/soil), flora and fauna, ecological and natural resources, and ecosystems. It also provides students with information on applicable norms and standards in India, and works to integrate environmental components in planning (master/land use planning etc.) the urban and industrial region.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Tuesday

----------------------------------------

4511 - Land Development and Management Practices

Credits: 2
Type: Lecture
Instructor/s: Madhu Bharti

The objective of this course is to introduce students to various land development concerns and processes. The course focuses on the land development mechanism, process and tools as are used in India. The course would also focus on land laws and regulations, specifically those having impact on real estate development. The students will be exposed to various models of land development in developed as well as emerging economies. By the end of the course the students are expected to develop a critical understanding of various land development tools. This will be a lecture course, having case studies from India and elsewhere.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 08.30-10.30
Days: Friday

----------------------------------------

4513 - Urban and Regional Infrastructure Planning

Credits: 2
Type: Lecture
Instructor/s: Saswat Bandyopadhyay, Subhrangsu Goswami

Because basic infrastructure in Indian cities has not been able to match with rapid urban demographic growth, it is over-stressed. With a restricted resource base and poor institutional capacities, urban infrastructure development in India is a big challenge to planning professionals. To address this challenge, this lecture course provides students with a basic understanding of urban infrastructure services, approaches to planning, prioritization and management.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 08.30-10.30
Days: Wednesday

----------------------------------------

4515 - Urban Transport Planning

Credits: 2
Type: Lecture
Instructor/s: Talat Munshi, Rutul Joshi

This lecture course focuses on transport's interrelationship with the urban environment and the built form as a means to derive methodologies for planning transport systems and developing feasible alternatives to existing systems. Emphasis is also placed on developing insight into the transport phenomena and its multi-faceted aspects, the planning process and governance issues, societal and behavioural aspects of mobility, and accessibility analysis for wider social benefits.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 08.30-10.30
Days: Thursday

----------------------------------------

4516 - Public Transport Planning

Credits: 2
Type: Lecture
Instructor/s: Manjiri Akalkotkar

This course provides students with a sound understanding of the key issues affecting the planning, management and performance of public transport in cities. It covers different public transport (PT) modes, PT network planning principles, performance measurements and the various legislations governing the urban public transport sector.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 14.30-16.30
Days: Friday

----------------------------------------

4518 - Transport Planning & Modelling

Credits: 2
Type: Lecture
Instructor/s: Shalini Sinha

This course provides a background to transport planning and its interface with land use planning. The students are provided with an understanding of transport data collection and analysis along with demand forecasting. The main areas covered include an overview of the urban transport system, transport planning approaches, data requirements, travel demand modelling, calibration and forecasting.

Faculty: Planning
Program: Postgraduate Program in Planning
Prerequisites: Open to all PG students
Time: 16.30-18.30
Days: Monday

----------------------------------------

4523 - Disaster Management

Credits: 2
Type: Lecture
Instructor/s: C.N. Ray

India is experiencing human and economic losses due to frequent natural and manmade disasters, whose frequency and intensity is increasing at a faster rate in recent years. The generally argued causes for the same are increasing urbanization, industrialization and population growth. The broad aim of this course is to provide a broad exposure to the elements of disaster management, range of options available to local authorities, etc. The course will also provide enhanced understanding of community based approaches to disaster management covering mitigation, preparedness, response, rehabilitation and reconstruction.

Faculty: Planning
Program: Postgraduate Program in Planning
**Prerequisites:** Open to all PG students and sixth semester B.Plan students

**Time:** 16.30-18.30

**Days:** Friday

**4526 - Microfinance and Sustainable Livelihoods**

**Credits:** 2

**Type:** Lecture

**Instructor/s:** Pratul Ahuja

This course is expected to enable students to develop a good understanding of the need and importance of microfinance, its delivery models, regulatory environment, role of technology and financial inclusion. The course would also discuss the wide range of microfinance 'plus' approaches and examine how they can contribute to ensuring sustainable livelihoods for the poor.

**Faculty:** Planning

**Program:** Postgraduate Program in Planning

**Prerequisites:** Open to all PG students

**Time:** 14.30-16.30

**Days:** Tuesday

**4527 - Multi Hazard Risk Assessment**

**Credits:** 2

**Type:** Lecture

**Instructor/s:** Ajay Katuri

This course aims to make the target group aware of various tools and techniques in Risk Assessment for an array of hazards. This course assumes working knowledge of Geographic Information System and Remote Sensing. At the end of the course, students will be expected to develop a vocabulary of disaster management and knowledge of applying tools and techniques for various risk management exercises.

**Faculty:** Planning

**Program:** Postgraduate Program in Planning

**Prerequisites:** Open to all PG students

**Time:** 16.30-18.30

**Days:** Friday

**4529 - Social and Inclusive Infrastructure**

**Credits:** 2

**Type:** Lecture

**Instructor/s:** Neenu Bansal

Planning infrastructure and utilities for an industrial area is a unique experience as demand assessment varies with the type of industries the area will have. Components covered in this lecture course are water supply, waste water management, storm water management, hazardous and or solid waste management, road networks, gas network and power requirement. Classroom teaching and exercises are supplemented with at least one field visit to a developed industrial area.

**Faculty:** Planning

**Program:** Postgraduate Program in Planning

**Prerequisites:** Open to all PG students

**Time:** 16.30-18.30

**Days:** Friday

**4531 - Industrial Economics**

**Credits:** 2

**Type:** Lecture

**Instructor/s:** R. Parthasarathy

Industrial Economics is the study of firms, industries, markets and regulation. Its aim is to understand the location principles, structure, conduct, and performance of firms by studying analytical models of competition, determinants of industrial structure, entry in strategic settings, government regulation, and markets with asymmetric information. Normally profit maximization is taken as given, but industrial economics courses examine alternative objectives. There is also an international dimension: the option of sourcing inputs overseas (gas based fertilizer units, for example). Industrial economics frequently uses skills and knowledge from microeconomic courses and some macroeconomic concepts.

**Faculty:** Planning

**Program:** Postgraduate Program in Planning

**Prerequisites:** Open to all PG students

**Time:** 16.30-18.30

**Days:** Wednesday

**4532 - Industrial Infrastructure and Utility Planning**

**Credits:** 2

**Type:** Lecture

**Instructor/s:** Alok Pankh

The main aim of this seminar course is to relate the debate on gender to development theory and practice and whether development interventions have been able to lead to some progress towards gender equity and empowerment. Specifically, the gender relations and positioning will be examined in the fields of: Agriculture, Environment, Education, Health, Development policies and institutions. Teaching is for two hours every week.
The teaching methods employed would be role play, case studies, debates and discussions on readings. Continuous evaluation methods in which each method of participation is given weightage. A written assignment would be used for the final evaluation.

Faculty: Planning

Program: Postgraduate Program in Planning

Prerequisites: Open to all PG students

Time: 16.30-18.30

Days: Friday

--------------------------------------------------------------------------

5552 - Cities and Transport

Credits: 2

Type: Lecture

Instructor(s): Bhargav Adhvaryu

This course is divided into two modules. The objective of Module-1: Urban Planning is to provide understanding of the various theories of urban planning and design and introduce basic concepts of how cities develop and the various approaches to planning and managing them. The objective of Module-2: Urban Transport Infrastructure is to provide an introduction to urban transport infrastructure planning, design, and management. Key concepts of urban transport planning and modelling will be covered, with a brief introduction to land use—transport interaction modelling.

Faculty: Technology

Program: Postgraduate Program in Engineering Design

Prerequisites: None

Time: 14.30-16.30

Days: Wednesday

--------------------------------------------------------------------------
1040 - Ceramics/Sculpture
Credits: 2
Type: Workshop
Instructor/s: Snehal Kashikar
The course develops material discipline in students through workshop-based assignments. The practice in clay focuses on the understanding of the intrinsic value of the material, its natural language and aesthetics.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 2 batches of 20 students in each batch, Batch I on Monday and Batch II is on Thursday
Time: 14.30-18.30, 14.30-18.30
Days: Monday, Thursday

1049 - Moving and Still Imaging
Credits: 2
Type: Workshop
Instructor/s: Urvi Sheth, Ujjval Panchal
Focus of this course is to introduce moving and still imagery as tools to visualize and represent variety of spatial conditions. Students will be introduced to various ways of bringing together still images such as photographs, graphics, text, etc. and moving imagery like video footage, time-lapse photography, etc. along with sound-audio to create spatial narratives which are difficult to represent otherwise through conventional visual mediums.
Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 2nd year UG onwards
Time: 08.30-13.30, 14.30-18.30
Days: Tuesday, Thursday

1056 - How to Look at Art
Credits: 2
Type: Lecture
Instructor/s: Esther David
The elective on How to Look at Art will explore Art Appreciation based on the personal experiences of students. It is often assumed that art appreciation needs conditioning in the arts, but any student can learn to enjoy art. It is a process of learning and exposure, which will be given in this elective. Today, art has broken all barriers and they are woven into each other. This elective will help students to develop an interest in art.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared VR - Graphic Design - I from the Faculty of Design are eligible for the course
Time: 14.30-16.30, 08.30-10.30
Days: Tuesday, Thursday

2052 - Illusion and Reality: Drawing
Credits: 2
Type: Workshop
Instructor/s: Kireet Patel
The course deals with drawing. Drawing is to read and to convey. It is also experiential. Drawing has been a tool, method and medium to visualize and express thoughts, ideas, concepts and feelings.
To evoke and to invoke
To separate and to connect
To be there and not to be there can happen through drawings as means of experiences.
Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Open to students of 2nd yr onwards.
Time: 14.30-18.30
Days: Friday

2054 - Sculpture
Credits: 2
Type: Workshop
Instructor/s: Rajesh Sagara
The course aims at engaging the tactile and visual senses to shape material into different forms, thus enabling students to give tangible form to their ideas. It also aims at honing hand skills and understanding the different properties of materials, not only to generate three dimensional forms but also to achieve interesting textures, finishes and details. Choosing between wood and metal as the medium, this course trains the students in
different techniques, methods and process involved in sculpting these materials.

Faculty: Design

Program: Undergraduate Program in Interior Design

Prerequisites: Open to all

Time: 14.30-18.30

Days: Wednesday

-------------------------------------------

4031 - Space & Experience

Credits: 2

Type: workshop

Instructor/s: Sangita Shroff, Rahul Singh

The studio cum workshop will explore the nuances of Public Spaces and the Interactive experiences that it forges for the community and its people. The students will explore and design the potential experiences that Public Spaces can create for any context. These Spatial Experiences will be visualized and designed in environments such as the URBAN COMMONS- Riverbanks, Community Gardens, Public Schools, Recreation spaces, Spiritual environments, Memorials, Performance spaces, Special Care Homes, Pilgrimage journeys, Mobile environments etc. The workshop will explore structures, materials, narratives, cultural histories, traditional wisdom and also explore directions where newer contexts of interaction may be created. The outcome of this studio/workshop could be light weight/folding structures, outdoor furniture, landscape elements, visual narratives etc. The workshop will culminate with Presentations that include scaled down models, Illustrations, 3 D visualizations etc.

Faculty: Planning

Program: Undergraduate Program in Planning

Prerequisites: Open to all

Time: 14.30-18.30

Days: Friday

-------------------------------------------
Workshop

1024 - Techniques of Model Making

Type: Workshop
Instructor(s): Dilip Panchal, Krunal Mistry

Various techniques of architectural model making are taught and explored in this workshop. This course is recommended for first year students who wish to develop model-making skills. Apart from skill development, the course also includes discussions on the selection of appropriate model making techniques in relation to stage of design.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 14.30-18.30
Days: Friday

1032 - Basic Design II

Type: Workshop
Instructor(s): Pratyush Shankar, Sinali Ratnani

This course is an essential introduction to the students of Architecture to develop methods to learn basics of designing using different materials, while addressing varied objectives. The particular course aims at developing three-dimension visualization and understanding of material limits in workshop-based environment. The aim is to create various prototypes that bring together construction, design and anthropometric understanding while demonstrating an ability to learn basic of material handling. First-hand experience of various material and making of real scale objects is an important part of the course. Certain exercises in drawing and abstraction are also introduced to encourage students to create space in two dimensions.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Building Material 1
Time: 14.30-17.30, 14.30-17.30
Days: Monday, Wednesday

1038 - Building Elements 2

Type: Workshop
Instructor(s): Mona Khakkar, Sharad Panchal

The emphasis of this workshop course is to get an understanding of the building elements. More so, it focuses on the service aspect of the building system (e.g. water supply and drainage, electrical, HVAC, fire protection etc.) through site studies and theoretical lectures. Students are also exposed to construction sequence in traditional construction technique, pre fabrication and pre-engineered structures.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Building Elements 1
Time: 14.30-18.30
Days: Wednesday

1033 - Joinery in Building Elements

Type: Workshop
Instructor(s): Ujjval Panchal, Unvi Sheth

Various methods of visualization through simulation are the core of this course. Special emphasis is laid on the use of digital techniques as a design tool will be explored. Experimentation, innovation and exploration will be encouraged in this course. This course will equip a student to use multiple techniques in design thinking.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 3rd year and above UG only
Time: 16.30-18.30, 14.30-16.30
Days: Tuesday, Friday

1040 - Ceramics/Sculpture

Type: Workshop
Instructor(s): Snehal Kashikar

The course develops material discipline in students through workshop-based assignments. The practice in clay focuses on the understanding of the intrinsic value of the material, its natural language and aesthetics.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 2 batches of 20 students in each batch, Batch I on Monday and Batch II is on Thursday
Time: 14.30-18.30, 14.30-18.30
Days: Monday, Thursday

1054 - Deployable Systems

Type: Workshop
Instructor(s): Krunal Patel, Aditiya Patel

A system of assembly with mechanical joinery detail which allows it to transform into different forms, sizes and shapes as per the requirement can be called a deployable system. The intent of this workshop is to develop an understanding of the basic alphabets of various deployable systems through a few exercises. The workshop aims to explore different possibilities in which a deployable system can be applied to various design fields and use it to its advantage through models. It also intends to come up with a few selected designs being actually executed as prototypes.

Faculty: Architecture
1057 - The world of Earth and Bamboo

Credits: 2
Type: Workshop
Instructor(s): Sankaipa

The course outlines a journey to bring about various facets of earth and bamboo as a form giving material. This workshop course shall dwell upon the idea of hands on exploration with theoretical input as a way to discuss joinery, forms and expression to open up both living; society and perception of material: culture bring about questions of technology and choice of language that develops out of it. It would also give material. This workshop course shall dwell upon the idea of hands on exploration with theoretical input as a way to discuss joinery, components, systems and eventually a building language that develops out of it. It would also bring about questions of technology and choice of living; society and perception of material: culture and forms of expression to open up both architectural-technological as well as societal dimension in this course.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: 3rd year and above UG only
Time: 14.30-18.30
Days: Tuesday

2023 - Clay & Ceramics

Credits: 2
Type: Workshop
Instructor(s): Snehal Kashikar

This workshop allows students to explore the properties of clay by working with it in the workshop. The students will explore the techniques and methods of shaping clay into different forms.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Open to all
Time: 14.30-18.30
Days: Wednesday

1062 - Architecture of Flight

Credits: 2
Type: Workshop
Instructor(s): Capt, Sagar Paranjpe, Shail Sheth, Pankaj

At the end of this workshop each student would have created and flown his own architectural marvel a flight of his fantasy!

The ensuing learning process includes exciting journey from a ‘two dimensional Drawing Board’ to three dimensional ‘Flight Envelope’. Course is shaped to allow full freedom of intellectual expression in discussions as well as creations. Aim is to familiarise the students with dynamic aspects of space, volume and shape through innovative use of tools, techniques and mediums. This will help in overcoming the mental barriers and make them fearless creators.

Each session will include a balanced combination of theory, brain storming, practical training and leave adequate scope for creative freedom. Every Aero-design will be made to fly. Guidance from best remote control flyers, model makers and seasoned pilots will help shape all ideas into practical reality.

While working with basic building materials, modern technology in robotics and miniaturisation will be exploited not as science but as an art form, the art of pilotless aviation.

Faculty: Architecture
Program: Undergraduate Program in Architecture
Prerequisites: Open to all
Time: 16.30-19.30, 17.30-18.30
Days: Thursday, Friday

2039 - Furniture Design - II

Credits: 4
Type: Design Workshop
Instructor(s): Shrutie Tamboli, Sameer Bhatt

This studio through exercises and a design problem attempts to understand the relationship of form, materials, space and development of dimensions in the design of furniture. A critical understanding of the evolution of form in furniture involving these specifics further develops the critical appreciation of furniture pieces.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared Furniture Design - I from the Faculty of Design are eligible for the course
Time: 14.30-18.30, 10.30-13.30
Days: Monday, Thursday

2040 - VR - Graphic Design-II

Credits: 2
Type: Workshop
Instructor(s): Jaai Kakani, Kamalika Bose

The workshop emphasizes on graphic design as a space making tool through 2-d and 3-d tessellations; its application at the interior scale across functional types and communication systems, is subsequently explored.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared VR - Graphic Design - I from the Faculty of Design are eligible for the course
Time: 14.30-16.30, 08.30-10.30
Days: Tuesday, Thursday

2055 - Materializing Forms

Credits: 2
Type: Workshop
Instructor(s): Vishal Wadhvani, Niyati Patel

This studio discusses interior spaces and built forms, understood through solid and void relationship. It also focuses on spatial, architectural and interior elements. It helps understanding of spatial relationships between architectural principles, elements and their systems, scale, light and movement. It explores the relationship between spatial, architectural and interior elements and their impact on layouts and space planning relationships.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Students who have cleared Basic Design - I from the Faculty of Design are eligible for the course.
Days: Monday, Wednesday, Friday
Materialization process is a logical conceptualization of underlying rules and regulations of various Physical factors. While designing, three major physical factors affect the perceptions of an idea: Form-Force-Matter (material). Existences of these physical factors are coherently independent on each other in real objects. Throughout the semester various exercises exploring the permutation and combination of Form-Force-Matter are experimented in workshop.

Faculty: Design
Program: Undergraduate Program in Interior Design
Prerequisites: Open to all
Time: 14.30-18.30
Days: Wednesday

2516 - Generative Design Process - II
Credits: 3
Type: Workshop
Instructor(s): Jwalant Mahadevwala, Krishna Shastri

The research methodology of the design studio will focus on exploring a system to develop a spatial, structural and material organisation, taking into account computation logic and materialization in the field of Interior Architecture. The studio project will aim at designing such a system to achieve multiple scenarios as output which can be tested to varied conditions, like altering environments, context or even changing program. The system should be designed to respond to multiple scenarios through experimentation and exploration of computational and material prototyping which will act as both an analytical methodology and the prime mode of design production and representation.

Faculty: Design
Program: Postgraduate Program in Interior Architecture & Design
Prerequisites: Students who are currently registered in semester IX or above in a UG program at Faculty of Design or Architecture, OR in a PG program at Faculty of Design or Architecture, are eligible. This course is mandatory for MIAD/MIAD students registering for semester II
Time: 14.30-17.30
Days: Monday, Tuesday

5057 - Building Information Modelling As Virtual Design & Construction, Project Management Tool
Credits: 2
Type: Lecture
Instructor(s): Viral Bhatt

The objectives of this course are: (1) to provide an understanding of BIM processes and benefits (2) to enable students to carry out a project using BIM software for Modelling, Coordination, Clash Detection and Simulation (3) to upgrade the Students with Presentation Skills using BIM
Faculty: Technology
Program: Undergraduate Program in Construction Technology

Prerequisites: Students who have cleared 1st year

Time: 15.30-16.30

Days: Thursday

-------------------------------

5066 - Tribal Art

Credits: 2

Type: Design Workshop

Instructor(s): Soha Trivedi

Learning of different Tribal Arts like Warli, Madhubani, Mithila Shaili, Mud & Mirror. Applying this Art on different Materials like paper, silk cloth and objects like T-shirt, pots, lamps etc.

Faculty: Technology

Program: Undergraduate Program in Construction Technology

Prerequisites: Open to all

Time: 16.30-18.30, 14.30-16.30

Days: Monday, Friday

-------------------------------
<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
<th>Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-09:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:30-10:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30-12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30-13:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30-14:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30-15:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30-16:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:30-17:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:30-18:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30-19:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Monday</td>
<td>Tuesday</td>
<td>Wednesday</td>
<td>Thursday</td>
<td>Friday</td>
<td>Saturday</td>
</tr>
<tr>
<td>------------</td>
<td>--------</td>
<td>---------</td>
<td>-----------</td>
<td>----------</td>
<td>--------</td>
<td>----------</td>
</tr>
<tr>
<td>08:30-09:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:30-10:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30-12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30-13:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30-14:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30-15:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30-16:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:30-17:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:30-18:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30-19:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Monday</td>
<td>Tuesday</td>
<td>Wednesday</td>
<td>Thursday</td>
<td>Friday</td>
<td>Saturday</td>
</tr>
<tr>
<td>--------------</td>
<td>--------</td>
<td>---------</td>
<td>-----------</td>
<td>----------</td>
<td>--------</td>
<td>----------</td>
</tr>
<tr>
<td>08:30-09:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:30-10:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30-12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30-13:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30-14:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30-15:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30-16:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:30-17:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:30-18:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30-19:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Monday</td>
<td>Tuesday</td>
<td>Wednesday</td>
<td>Thursday</td>
<td>Friday</td>
<td>Saturday</td>
</tr>
<tr>
<td>--------------</td>
<td>--------</td>
<td>---------</td>
<td>-----------</td>
<td>----------</td>
<td>--------</td>
<td>----------</td>
</tr>
<tr>
<td>08:30-09:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:30-10:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30-12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30-13:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30-14:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30-15:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30-16:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:30-17:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:30-18:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30-19:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Monday</td>
<td>Tuesday</td>
<td>Wednesday</td>
<td>Thursday</td>
<td>Friday</td>
<td>Saturday</td>
</tr>
<tr>
<td>--------------</td>
<td>--------</td>
<td>---------</td>
<td>-----------</td>
<td>----------</td>
<td>--------</td>
<td>----------</td>
</tr>
<tr>
<td>08:30-09:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:30-10:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30-12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30-13:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30-14:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30-15:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30-16:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:30-17:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:30-18:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30-19:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>