

# DETAILED COURSE SCHEDULE FOR BERKELEY PRIZE TEACHING FELLOWSHIP

**Semester Period: July 2013-December 2013**

## 3-Credits Architectural Design Studio

**8 Hours per Week Class Focused Regular Design Studio (12 Weeks)**

**+ Full Day Intense Interclass Integral Studio (2 Weeks)**

Date	Special Lectures by Experts	Studio Activities	Evaluation Stages (Total-3 Credits)
<b>July</b>			
<b>15<sup>th</sup> July</b>	<b>REGULAR STUDIO BEGINS: “INTERPRETATION CENTER AT UJJAIN WITH UNIVERSAL DESIGN FOCUS”</b>		
<b>15-19 July – 1<sup>st</sup> Week</b>	<ul style="list-style-type: none"> <li>Human ability relevant to design with special reference to infrastructure and community environments</li> <li>Universal Design, and differences between Accessible, Adaptable, Trans generational, Universal Design etc.</li> <li>Understanding Principles of Universal Design and contextual derivation of Universal Design Principles in India</li> <li>Understanding legislative framework for Accessibility (PWD Act) in India</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to the Design Problem</li> <li>Sensitization of students to respond to the problem area, users and issues</li> <li>Literature study of universal design</li> <li>Literature study of existing accessibility standards</li> </ul>	
<b>22-26 July- 2<sup>nd</sup> Week</b>	<ul style="list-style-type: none"> <li>Historic and cultural significance of Ujjain</li> <li>Special lectures on city of Ujjain and its infrastructure</li> <li>Special Lectures on religious sites at Ujjain</li> <li>Special lecture on Kumbh Festival at Ujjain</li> </ul>	<ul style="list-style-type: none"> <li>Literature study of City Development Plan (CDP) and other official records and documents</li> </ul>	
<b>August</b>			
<b>29-02 August- 3<sup>rd</sup> Week</b>	<ul style="list-style-type: none"> <li>User centered approach to understand the problem</li> <li>User centric tools for behavioral mapping</li> <li>Data analysis techniques</li> </ul>	<ul style="list-style-type: none"> <li>Literature study and small assignments to understand user centric approach</li> <li>Preparation of tools for the conduct of survey</li> </ul>	
<b>05-08 August- 4<sup>th</sup> Week</b>		Site Visit to Ujjain for Data Collection in context of the problem <ul style="list-style-type: none"> <li>Site study</li> </ul>	

		<ul style="list-style-type: none"> <li>• Climatic study</li> <li>• Study of building regulations and byelaws</li> <li>• User study</li> <li>• Students will collect data from various sources through field surveys, environmental observations, meeting with experts and interviewing stakeholders</li> </ul>	
<b>12-16 August-5<sup>th</sup> Week</b>		<ul style="list-style-type: none"> <li>• Data analysis and Inferences</li> </ul>	
<b>19-23 August-6<sup>th</sup> Week</b>		<ul style="list-style-type: none"> <li>• Presentations on data analysis and Inferences</li> </ul>	<b>Review-Evaluation of 20% of the total Credits</b>
<b>26-30 August-7<sup>th</sup> Week</b>	Best examples and case studies in Universal Design practice and research	<ul style="list-style-type: none"> <li>• Precedence studies</li> </ul>	
<b>September</b>			
<b>02-06 September-8<sup>th</sup> Week</b>		<ul style="list-style-type: none"> <li>• Area programming</li> <li>• Concept formulation</li> <li>• Broad Zoning</li> </ul>	<b>Review-Evaluation of 10% of the total Credits</b>
<b>09-13 September-9<sup>th</sup> Week</b>		Sketch Design <ul style="list-style-type: none"> <li>• Site development based on the site analysis</li> <li>• Design Development</li> <li>• Building plans (Single line)</li> <li>• Elevations &amp; Sections</li> <li>• Block Model</li> </ul>	
<b>16-20 September-10<sup>th</sup> Week</b>	<b>Minor-1- Theory Exams</b> (for courses other than design studio)		
<b>23-27 September-11<sup>th</sup> Week</b>			<b>Sketch Design Review - Evaluation of 10% of the total Credits</b>
<b>October</b>			
<b>30-04 October-12<sup>th</sup> Week</b>		Final Design <ul style="list-style-type: none"> <li>• Site Plan</li> <li>• Design Concept</li> <li>• Double line Plan(s) of building</li> </ul>	

		<ul style="list-style-type: none"> <li>Elevations and Sections</li> <li>Details</li> <li>Model</li> <li>Views</li> </ul>	
<b>07-11 October-13<sup>th</sup> Week</b>	<b>Student's Co-curricular Activity Week</b>		
<b>14-18 October-14<sup>th</sup> Week</b>		Final Design Continued	
<b>21-25 October-15<sup>th</sup> Week</b>			<b>Final Design Review-Evaluation of 30% of the total Credits</b>
<b>28-01 October-16<sup>th</sup> Week</b>	<b>Minor-2 Theory Exams</b> (for courses other than design studio)		
<b>November</b>			
<b>04<sup>th</sup> November</b>	<b>INTEGRAL STUDIO BEGINS: “TEMPORARY SHELTERS FOR DIVERSE VISITORS (YATRI) DURING KUMBH FESTIVAL”</b>		
<b>04-08 November-17<sup>th</sup> Week</b>	<ul style="list-style-type: none"> <li>Special lectures by Universal Design and Heritage experts</li> <li>Special lectures on the city of Ujjain</li> </ul>	Introduction of the problem to interclass studio and students will work in teams for <ul style="list-style-type: none"> <li>data collection</li> <li>data analysis</li> <li>Site analysis and area programming</li> <li>concept development</li> <li>design development</li> </ul>	
<b>11-15 November-18<sup>th</sup> Week</b>		Working in teams on problem identification, design development and design solution with <ul style="list-style-type: none"> <li>Pre design research, concept, site plan, all floor plans, sections, elevations, model, details etc.</li> </ul>	<b>Review-Evaluation of 30% of the total Credits</b>
<b>18-22 November</b>	<b>Exam Preparation Leave</b> (for courses other than design studio)		
<b>25 November -13 December</b>	<b>End Term Exam</b> (for courses other than design studio)		
<b>16-31 December</b>	<b>Winter Break</b>		

# DETAILED COURSE SCHEDULE

**Semester Period: January 2014-June 2014**

**3-Credits Architectural Design Studio**

**8 Hours per Week Class Focused Regular Design Studio (12 Weeks)**

**+Full Day Intense Interclass Integral Studio (2 Weeks)**

Date	Special Lectures by Experts	Studio Activities	Evaluation Stages (Total-3 Credits)
<b>January</b>			
<b>01<sup>st</sup> January</b>	<b>REGULAR STUDIO BEGINS: “REDEVELOPMENT OF SHIPRA RIVER FRONT (<i>GHATS</i>) FOR UNIVERSAL USABILITY”</b>		
<b>01-03 January- 1<sup>st</sup> Week</b>	<ul style="list-style-type: none"> <li>• Universal Design and its relevance in public domain, tourism and sites of historic and cultural significance.</li> <li>• Existing international standards for improving accessibility to historical sites.</li> <li>• Precedence and good international examples of universal design at historical buildings, archaeological sites and protected monuments.</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to the design problem</li> <li>• Sensitization of students to respond to the problem area, users and issues</li> <li>• Literature study of existing international accessibility standards in reference to the historic to the historic sites.</li> </ul>	
<b>06-10 January - 2<sup>nd</sup> Week</b>	<ul style="list-style-type: none"> <li>• Guidelines for design interventions in historical sites.</li> <li>• Legislative frame work for design interventions in historic and protected sites.</li> <li>• Heritage significance and conservation issues in reference to Ujjain.</li> <li>• Revitalization of riparian town of cultural significance in India.</li> <li>• Precedence and good examples (India and International) of riverfront development.</li> </ul>	<ul style="list-style-type: none"> <li>• Literature study of the guidelines and legislation for interventions in historic sites in India</li> </ul>	
<b>13-17 January - 3<sup>rd</sup> Week</b>	<ul style="list-style-type: none"> <li>• Kumbh festival in India, and its cultural and religious significance.</li> <li>• Kumbh in Ujjain-ancient religious landscape, archaeological landscape, historical landscape, religious landscape, landscape of myths and</li> </ul>	<ul style="list-style-type: none"> <li>• Literature study of official records and documents on Kumbh in Ujjain</li> </ul>	

	<p>mythologies.</p> <ul style="list-style-type: none"> <li>Religious discourses in Kumbh, important circumambulatory pathways and their significance.</li> <li>Temple of Mahakaal and its historical, cultural, religious and mythological significance.</li> </ul>		
<b>20-24 January</b> -4 <sup>th</sup> Week		<p>Site Visit to Ujjain for Data Collection in context of the problem</p> <ul style="list-style-type: none"> <li>Site study</li> <li>Climatic study</li> <li>Study of building regulations and byelaws</li> <li>User study</li> <li>Students will collect data from various sources through field surveys, environmental observations, meeting with experts and interviewing stakeholders.</li> </ul>	
<b>27-31 January</b> -5 <sup>th</sup> Week		<ul style="list-style-type: none"> <li>Precedence studies</li> </ul>	
<b>February</b>			
<b>03-07 February</b> -6 <sup>th</sup> Week		<ul style="list-style-type: none"> <li>Area programming</li> <li>Concept formulation</li> <li>Broad Zoning</li> </ul>	
<b>10-14 February</b> -7 <sup>th</sup> Week		<p>Sketch Design</p> <ul style="list-style-type: none"> <li>Site development based on the site analysis</li> <li>Design Development</li> <li>Building plans (Single line)</li> <li>Elevations &amp; Sections</li> <li>Block Model</li> </ul>	
<b>17-21 February</b> -8 <sup>th</sup> Week	<b>Minor-1- Theory Exams</b> (for courses other than design studio)		
<b>24-28 February</b> -9 <sup>th</sup> Week		Sketch Design Continued	
<b>March</b>			
<b>03-07 March</b> -10 <sup>th</sup> Week			<b>Sketch Design Review - Evaluation of</b>

			<b>10% of the total Credits</b>
<b>10-14 March</b> -11 <sup>th</sup> Week		Final Design <ul style="list-style-type: none"> <li>• Site Plan</li> <li>• Design Concept</li> <li>• Double line Plan(s) of building</li> <li>• Elevations and Sections</li> <li>• Details</li> <li>• Model</li> <li>• Views</li> </ul>	
<b>17-21 March</b> -12 <sup>th</sup> Week	<b>Student's Co-curricular Activity Week</b>		
<b>24-28 March</b> -13 <sup>th</sup> Week		Final Design Continued	
<b>April</b>			
<b>31-04 April</b> -14 <sup>th</sup> Week			<b>Final Design Review-Evaluation of 30% of the total Credits</b>
<b>07-11 April</b> -15 <sup>th</sup> Week	<b>Minor-2- Theory Exams</b> (for courses other than design studio)		
<b>14<sup>th</sup> April</b>	<b>INTEGRAL STUDIO: “UNIVERSAL DESIGN FOR SACRED CIRCUMAMBULATORY PATHS (PARIKRAMA) AT KUMBH”</b>		
<b>14-18 April</b> -16 <sup>th</sup> Week	<ul style="list-style-type: none"> <li>• Special lectures by Universal Design and Heritage experts.</li> <li>• Special lectures on Kumbh festival and the city of Ujjain.</li> </ul>	Introduction of the problem to interclass studio and students will work in teams for <ul style="list-style-type: none"> <li>• data collection</li> <li>• data analysis</li> <li>• Site analysis and area programming</li> <li>• concept development</li> <li>• design development</li> </ul>	
<b>21-25 April</b> -17 <sup>th</sup> Week		Working in teams on problem identification, design development and design solution with Pre design research, concept, site plan, all floor plans, sections, elevations, model, details etc.	
	<b>Exam Preparation Leave</b> (for courses other than design studio)		
<b>28 April- 26 May</b>	<b>Theory End Term Exams</b> (for courses other than design studio)		
<b>26 May-15 July</b>	<b>Summer Vacations</b>		

## WORKING TEAM

### INVITED EXPERTS:

- Abir Mullick, Professor, Georgia Institute of Technology, Atlanta USA- *Universal Design Expert*
- Nalini Thakur, Professor, School of Planning and Architecture, Delhi, India-*Heritage and Conservation Expert*
- Ruchi Ghosh, Professor, Barkatullah University- *Sociologist Planner*
- Anil Mudgil, Accessibility Consultant, Arushi, Bhopal, India - *Accessibility Expert*
- Rohit Trivedi, Professor (Person with Disability) Nutan College Bhopal, India- *Accessibility Expert*
- Professional from Indian National Trust for Arts, Culture and Heritage, Delhi, India –*Ujjain City Expert*
- Professional from Ujjain Municipal Corporation, Ujjain, India- *Ujjain City Expert*

### STUDIO TEAM AT SCHOOL OF PLANNING AND ARCHITECTURE, BHOPAL

- **Ajay Khare (*Heritage and Conservation Expert*)-Studio Coordinator**
- Rachna Khare (*Architect & Universal Design Expert*)
- Savita Raje (*Architect & Historic Urban Landscape Expert*)
- Sandeep Sankat (*Architect & Universal Design Expert*)
- Natraj Kranti (*Architect Planner and Person with Disability*)
- Sandeep Arora (*Architect & Environment Expert*)
- Binayak Chowdhury (*Economist Planner*)