

Rutgers, The State University of New Jersey
Landscape Architecture **16:550:133**

Architectural Design

Spring 2017

Mondays 4:00 – 7:00pm

Blake 244

Instructor

Anita Bakshi

222 Blake Hall

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Office Hours by appointment



Course Description

This introductory architectural design course includes studio and lecture components, and familiarizes students with core principles and practices of the architecture profession. Students explore space-making—the creative relationship between humans and their built environment. Lectures provide a broad overview of architectural history, building materials and technologies, sustainable and green building strategies, and important architects and their works. Students learn basic spatial production and analysis of the built environment. Forms of visual inquiry for the design process include abstraction, modes of representation (drawing conventions, model building), and investigation into tectonics, materiality, scale, and space, design exercises and a final design project. This course will explore foundational design principles through a series of short exercises, design projects, and workshops that employ critical and creative architectural design strategies. Class time will be used for Lecture and Studio.

Field Trip

This year we will be taking a field trip to the Skyscraper Museum in New York City, and possible a second field trip to an architecture office in New Brunswick.

Main Learning Goal: AHR - Engage critically in the process of creative expression

Learning Objectives

- Learn how to interpret the built environment and understand the aesthetic, social, cultural, economic, and environmental considerations that influence building design and construction.
(Exercises #2 - #6)
- Recognize and be able to discuss influential architects and their buildings, and describe seminal architectural movements.
(Final Project)
- Engage in the design process and think critically about design decisions.
(Exercises #1, #4, and Final Project)

Assignments and Grading

Students will receive grades and feedback on all assignments and exercises that are completed throughout the semester. The individual break down of the cumulative semester grade is as follows:

Blog		15%
Exercise #1	Experience Machine	5%
Exercise #2	Design Elements	5%
Exercise #3	Reading-Observation Essay	10%
Exercise #4	6x6x6 Cube	20%
Exercise #5	Green Cities Exercise	5%
Exercise #6	NYC Exhibition & Timeformations	10%
Final	Designing with the Masters	30%

Policies

Except for circumstances truly beyond the student's control, all projects and homework are due on the dates and at the times specified throughout the semester. No late homework will be accepted. Midterm and Final Projects that are incomplete on the due date should still be submitted on the date it is due to receive at least partial credit. Turning in no work for an assignment or a project will result in a grade of zero [0]. *Any final or midterm project submitted late will lose a letter grade for each day past due.* Working beyond a due date is both unrealistic in a professional setting and unfair to your classmates in this course. If you encounter any personal circumstances that inhibit your ability to fulfill the requirements of this course, you should immediately contact the instructor[s]. In addition, any student with a special need, circumstance, or disability, should make an appointment to see the instructor[s] during the first week of classes.

Departmental policy allows for a total of three unexcused absences. Four or more absences will automatically lower your final grade by one full letter grade [for example, a B down to a C+]. Each additional three absences will result in another step reduction. If a circumstance arises beyond your control, please notify the Instructor *prior* to the class meeting, and other arrangements will be made. **Documented** medical and family emergencies are, of course, excused. Attendance will be taken at the start of class. Late arrivals greater than 10 minutes will be marked as a full absence by the Instructor. Students on academic probation have NO ALLOWABLE ABSENCES. Content missed due to an excused absence will be made available however, an excused absence does not automatically prolong an assigned due date for any exercise or project.

ARCHITECTURAL DESIGN Spring 2017

Instructor: Anita Bakshi

Schedule

Seeing and Interpreting Designed Spaces		
WEEK 2 Jan. 23	LECTURE Course Introduction & Design Elements IN CLASS EXERCISE Experience Machine	
WEEK 3 Jan. 30	LECTURE 2016 Architectural Design Awards CLASS PRESENTATION Design Elements & Principles Photograph Presentations	Exercise 2 Due: Design Elements & Principles Photographs Set up Student Blogs Visit Source Websites Architizer.com Archpaper.com Architecturalrecord.com Archinect.com
WEEK 4 Feb. 6	LECTURE The Materials of Architecture CLASS PRESENTATION Reading, Observing, Writing About Place	Reading: Peter Zumthor - <i>Thinking Architecture</i> Exercise 3 Due: Reading, Observing, Writing About Place
Architects & Projects		
WEEK 5 Feb. 13	LECTURE Non-Visual Aspects of Design STUDIO Begin Architectural Design Projects 6x6x6 Cube	Blog Post: Spend some time exploring the recent posts on the architecture websites we discussed during Week 3. Post your observations on your blog about one or two projects you read about. Summarize the projects and take a stab at critiquing them. What did you like about the projects and why? What do you think could have been done better? How are the architects engaging with the design elements and principles you explored for Exercise #2.

<p>WEEK 6 Feb. 20</p>	<p>LECTURE Monuments & Memorials</p> <p>STUDIO Architectural Design Projects 6x6x6 Cube</p>	<p>Reading: Le Corbusier <i>"Towards a New Architecture"</i></p> <p>Blog Post: We have spoken about the importance of Le Corbusier and his influence on other architects. Have a look at his projects and choose two buildings to write about. Describe the similarities and differences between them.</p>
<p>WEEK 7 Feb 27</p>	<p>CLASS PRESENTATION 6x6x6 Cube</p>	<p>Exercise 4 Due: 6x6x6 Cube</p>
<p>WEEK 8 March 6</p>	<p>LECTURE The Design Process</p> <p>STUDIO Architectural Drawings and Blueprints</p> <p>IN CLASS EXERCISE Drawing: Orthographic Projection of your Cube</p>	<p>Reading: <i>Architect ?</i></p> <p>Blog: Describe what you have learned about the architectural design process from the selected readings that you were assigned from the <i>Architect?</i> book. What surprised you most about how architectural production works?</p>
<p>SPRING BREAK March 13 – 17</p>		
<p>Design Process & Urban Design</p>		
<p>WEEK 9 Mar. 20</p>	<p>SAVE THE DATE TBD – Possible field trip</p>	
<p>WEEK 10 Mar. 27</p>	<p>LECTURE Sustainable Design & Green Cities</p> <p>IN CLASS EXERCISE Group Work: Green Buildings Slide Show & Green Design Proposal</p>	<p>Reading: <i>EcoDistrict Planning Protocol</i></p> <p>Blog: Have any Ecodistricts been created in the USA? Do a quick google search and see what information you can find about Ecodistricts in Portland, LA, or Washington DC. Choose one proposal and describe the green design strategies that are being proposed.</p> <p>Exercise 5 Due: Green Cities Exercise (to be done in class)</p>

<p>WEEK 11 April 3</p>	<p>LECTURE Building the City</p> <p>IN CLASS EXERCISE Exhibition Design & Timeformations New York City</p>	<p>Blog: Describe a recent architecture or landscape architecture project that has been built in New York City. Visit these websites, or the websites we have been working with, for some possible sites: http://www.archdaily.com/tag/new-york http://ny.curbed.com/maps/42-star-projects-transforming-architecture-in-new-york-city</p> <p>Exercise 6 Due: NYC Exhibition & Timeformations (in class)</p>
<p>WEEK 12 April 10</p>	<p>FIELD TRIP Skyscraper Museum on SATURDAY APRIL 8th (No class on Monday April 10th)</p>	
<p>WEEK 13 April 17</p>	<p>LECTURE Other Ways of Doing Architecture</p> <p>IN CLASS EXERCISE Explore www.spatialagency.net/</p> <p>STUDIO Architectural Design Projects Designing with the Masters</p>	<p>Reading: Aldo Van Eyck <i>The Medicine of Reciprocity Tentatively Illustrated</i></p> <p>Blog: Describe an interesting project that you discovered on the Spatial Agency website.</p>
<p>WEEK 14 April 24</p>	<p>STUDIO Architectural Design Projects Designing with the Masters</p>	
<p>WEEK 15 May 1</p>	<p>Final Design Presentations</p>	