

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

Architectural Design

Spring 2018

Mondays 4:00 – 7:00pm

Blake 244

Instructor

Anita Bakshi

222 Blake Hall

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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.

Since this is organized as a studio course, in class exercises and work time are important elements of the course. For this reason, it is very difficult to make up work missed during class time. Therefore, only one unexcused absence is allowed, and there will be a reduction in the overall course grade for each additional unexcused absence.

Field Trip

This year we will be taking a field trip to the Rutgers Makerspace on Livingston Campus

<http://makerspace.rutgers.edu/>

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A possible field trip (depending on student interest) to the Skyscraper Museum in New York City

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.
- Recognize and be able to discuss influential architects and their buildings, and describe seminal architectural movements.
- Engage in the design process and think critically about design decisions.

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	NYC Exhibition & Timeformations	10%
Exercise #6	Green Cities Exercise	5%
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.

Class policy allows for a total of only one unexcused absence. Two absences will automatically lower your final grade by one full letter grade [for example, a B down to a C+]. Each additional absence 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 2018

Instructor: Anita Bakshi

Schedule

Seeing and Interpreting Designed Spaces		
WEEK 2 Jan. 22	LECTURE Course Introduction & Design Elements IN CLASS EXERCISE Modelling the Villa Savoye	
WEEK 3 Jan. 29	LECTURE 2016 Architectural Design Awards	IN CLASS EXERCISE Doodle: "A House is a Machine for Living in" Blake Hall Exploration & Design Ideas (group project)
Architects & Projects		
WEEK 4 Feb. 5	LECTURE The Materials of Architecture CLASS PRESENTATION Design Elements & Principles Photograph Presentations STUDIO Doodle: "Recycled Materials" Doodle: "Manipulate Light" Exercise 2: Experience Machine (based on photos from Exercise 1)	Exercise 1 Due (at beginning of class): Design Elements & Principles Photographs Set up Student Blogs Visit Source Websites Architizer.com Archpaper.com Architecturalrecord.com Archinect.com Exercise 2 (to be done in class): Experience Machine
WEEK 5 Feb. 12	LECTURE Non-Visual Aspects of Design CLASS PRESENTATION Reading, Observing, Writing About Place STUDIO Doodle: "Tonkin Liu Sound Sculpture" Doodle: "De Stijl" Begin Project : 6x6x6 Cube	Exercise 3 Due: Reading, Observing, Writing About Place Read: Peter Zumthor - <i>Thinking Architecture</i> 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 Exercises 1 and 2.
WEEK 6 Feb. 19	LECTURE Monuments & Memorials STUDIO Doodle: "Constructivist Memorials" Doodle: "Follies" Continue work on 6x6x6 Cube	Reading: Le Corbusier <i>"Towards a New Architecture"</i> 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.
WEEK 7 Feb. 26	STUDIO 6x6x6 Cube – The next steps.... Design translation	Exercise 4 Due: 6x6x6 Cube Bring your complete cube to class
WEEK 8 March 5	LECTURE The Design Process STUDIO Architectural Drawings and Blueprints IN CLASS EXERCISE Drawing: Orthographic Projection of your Cube	Blog Post: Post photos of your finished cube project. Write a few sentences about your design intentions and how you executed them.
Spring Break - March 10 - 18		
Design Process & Urban Design		
WEEK 9 March 19	FIELD TRIP Rutgers Makerspace – Livingston Campus	

<p>WEEK 10 March 26</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 5 Due: NYC Exhibition & Timeformations (in class)</p>
<p>WEEK 11 April 2</p>	<p>LECTURE Sustainable Design & Green Cities</p> <p>IN CLASS EXERCISE Doodle: "Greening Cities"</p> <p>Group Work: Green Buildings Slide Show & Green Design Proposal</p> <p>Visit bus shelter locations & take measurements</p>	<p>Reading: <i>EcoDistrict Planning Protocol</i></p> <p>Blog: Design Inspiration for the final project to design a bus shelter. Write a few sentences about 2 or 3 architects that you are considering as options for this project. Look back through the lectures and decide on a few options. You can write about these architects' career history, important design projects, design philosophy, and elements, styles, and materials that they usually work with.</p> <p>Exercise 6 Due: Green Cities Exercise (to be done in class)</p>
<p>WEEK 12 April 9</p>	<p>FIELD TRIP Possible Field trip to NYC (or work day at MakerSpace)</p>	
<p>WEEK 13 April 16</p>	<p>LECTURE Other Ways of Doing Architecture Explore www.spatialagency.net/</p> <p>STUDIO Doodle: "Roof of a Building" Begin Project: Designing with the Masters</p>	<p>Blog: Describe an interesting project that you discovered on the Spatial Agency website.</p>
<p>WEEK 14 April 23</p>	<p>STUDIO Architectural Design Projects Designing with the Masters</p>	
<p>WEEK 15 April 30</p>	<p>Final Design Presentations</p>	