ARCH 583 118 ST: P3 Post Presentation Processing

Monday: 6pm to 9pm

INSTRUCTORS:

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Digital/ in-person Office hours by request

Introduction

Throughout history, art has encompassed much more than a literal or photorealistic interpretation of reality. Art has captured narratives, depicted importance, skewed perspectives (or eschewed then completely), subverted reality, laid clear the metaphysical, and transcended mediums. The Art of Architecture shares these same phenomenological aspirations. Through experimentation, it defines its own physics, Serving Gravity, instead of serving gravity.

In this course, we will study methods of representation which purposefully avoid the literal, to create room for exploration of the subjective. We will consider how to represent Architectures (with a capital A) as Art (with a capital A). We will engage with both traditional and contemporary methods of form-making and meaning-finding, explore the work and processes of Architectural Artists, reflect on Architectural and Art Theory, and

This course will investigate the intersection of representation and form finding through three main divisions. First is Image Processing, second is Form Processing, and third is Post Processing. In each section different architectural theories and design tools will be introduced to create a synergy.

Keywords:
AI, Data, and Design; Computational Design and Robotics; Bio-inspired Design; Interaction Design; Digital, Spatial, and Immersive Environments; Responsive Programmable Materials; and Digital Media Design.Scenography. Art. Cinema.

Course Learning Outcomes

This course will challenge students to:

- Survey historical and contemporary Architectural Theory through the lens of visual imagery and technology.
- Critically engage with theoretical discourse and artistic process through in-class discussion of course content, with a focus on the dissection and analysis of visual works.
- Consider technology's impact on and role within Artistic expression.
- Develop a vocabulary of speculative terminology for discussing experimental Art.
- Broaden their creative skill sets through hands-on experimentation in both digital and analogue mediums.

Course Grading

15%	In-class discussion participation	1 point per week x 15 weeks
25%	Classwork / Homework	1-2 points per assignment, as noted
20%	Assignment midterm	1 assignment, expectations as noted
20%	Assignment midterm	1 assignment, expectations as noted
20%	Assignment final	1 assignment, expectations as noted

Optional Extra Credit is available by going above and beyond on assignments as noted.
3 Opportunities Available, up to 5 points each

NAAB Shared Values of the Discipline and the Profession

The National Architectural Accrediting Board accredits NJIT's architecture program. The NAAB defines "Shared Values of the Discipline and the Profession" that must be covered by any architectural curriculum to attain their approval. This course satisfies the following shared values:
Design thinkinking: Architects design better, safer, more equitable, resilient, and sustainable built environments. Design thinking and integrated design solutions are hallmarks of architecture education, the discipline, and the profession.

Life-long learning: Architects value educational breadth and depth, including a thorough understanding of the discipline's body of knowledge, histories and theories, and architecture's role in cultural, social, environmental, economic, and built contexts. The practice of architecture demands lifelong learning, which is a shared responsibility between academic and practice settings.
Statement on Academic Integrity

The NJSOA maintains that academic integrity and honesty are of paramount importance. Cheating and plagiarism will not be tolerated. The NJIT Honor Code will be upheld, and any violations will be dealt with by the department or brought to the immediate attention of the Dean of Students.

All students are responsible for upholding the integrity of NJIT by reporting any violation of academic integrity. The identity of the student filing the report will remain anonymous. All students are expected to adhere to the University Code on Academic Integrity: https://www.njit.edu/dos/academic-integrity and to the Code of Student Conduct: https://www.njit.edu/dos/policies/conductcode/index.php

HCAD librarian Maya Gervits has assembled excellent resources for a students use on using images, citing, and plagiarism: https://researchguides.njit.edu/c.php?g=671665&p=4727920

Attendance Policy and Additional Expectations

- All students are expected to attend all regularly scheduled classes.
- Attendance will be logged using Canvas, and is required for the participation portion of students' final grade.
- In the event that you are tardy, please notify both instructors with as much notice as possible prior to the start of class, and provide sufficient cause for the tardiness.
- In the event that you must miss class, please notify both instructors prior to the absence or and provide sufficient cause for nonattendance.

Per NJIT policy, if a student is absent repeatedly, for an extended period, misses a milestone such as a review or exam, or because absences are affecting that students or other students' performance, the instructor reserves the right to request a student provide verifiable documentation for absences from the Office of the Dean of Students (DOS).
The DOS allows students to explain absences by filing an online Student Absence Excuse Request form related to the absences within 14 days. By doing so, a student can ask for accommodation. Once the absence has been verified, the DOS will communicate with the instructor.

Accepted reasons for absence include bereavement, medical concerns, military activity, legal obligations, or university-sponsored events. Additional DOS information outlined here: https://www.njit.edu/dos/student-excusals.

Course Content and Structure

The following outlines the anticipated course content week to week.

Lab assignments are designed to be completed during class time, but may be handed in the following class session if more time is desired.

Homework will occasionally be assigned at the end of class, students are expected to complete homework assignments on their own time and hand them in on the date they are due.

Students are expected to arrive at class having prepared by watching/ reading outlined materials.

	No Class - MLK Holiday Jan 15	
Part 1 IMAGE PROCESSING	Week 1 Jan 22	Architects who approach Architecture as Art
	Week 2 Jan 29	Basic drawing techniques
	Week 3 Feb 5	Color Theory
	Week 4 Feb 12	Light And Shadow
	Week 5 - **Assignment 1 Due** Feb 19	Scenography / Composition
Part 2 FORM PROCESSING	Week 6 Feb 26	Organic/ Inorganic Forms
	Week 7 March 4	Topological Forms
	Week 8 March 11	New materialism
	Week 9 March 18	Utopia/ Dystopia
	Week 10 - **Assignment 2 Due** March 25	Experimenting with Generative AI

Part 3 POST PROCESSING	**Week 11** April 1	Art as Exploration Iterating on Concepts Developing a Style - Instinct in art
	Week 12 April 8	Collage/ Diagrams / Mapping
	Week 13 April 15	Contemporary Aesthetics. Contemporary Sculpture, Painting, Art
	Week 14 April 22	Introduction to Generative AI Images
	Assignment 3 Due April 29	Final Reviews

Texts, Resources, and Links

Articles
1. https://www.wired.com/story/timothy-morton-hyperobjects-all-the-way-down/
2. https://www.archdaily.com/1010804/the-best-architectural-drawings-of-2023
3. https://medium.com/william-maya/architecture-and-image-making-its-cultural-aesthetic-and-media-impact-as-a-not-so-new-b6672e70d03
4. https://www.detail.de/de_en/between-theory-and-practice-image-based-architecture-32260-1

Tools:
https://blendermarket.com/products/blender-live-paint-filter?num=6&src=popular
http://atlv.org/education/ghpython/
https://blendermarket.com/products/meshmachine?num=7&src=popular
https://blendermarket.com/products/bio-art
http://www.bioblender.org/

Recommended Books (Optional Reading):

https://www.amazon.com/Deep-Affinities-Philip-F-Palmedo/dp/0789213788

https://www.amazon.com/Math-Art-Truth-Beauty-Equations/dp/1454930446

"The Eyes of the Skin: Architecture and the Senses" by Juhani Pallasmaa

"Architectural Principles in the Age of Cybernetics" by Christopher Hight

Atlas of Novel Tectonics
https://www.amazon.com/Atlas-Novel-Tectonics-Jesse-Reiser/dp/1568985541

"Digital Fabrication in Architecture" by Nick Dunn

Composition

Buster Keaton - The Art of the Gag
https://www.youtube.com/watch?v=v4seDVfgwOg
"What you had to say, you had to communicate through only one way.. Through action"
"Every single fall is an opportunity for creativity"

Edgar Wright - How to Do Visual Comedy.
https://www.youtube.com/watch?v=3FOzD4Sfgag
"The frame is a playground, so play"

Film Criticism Discussion Topic
Akira Kurosawa - Composing Movement
https://www.youtube.com/watch?v=doaQC-S8de8