



NEW YORK CITY COLLEGE OF TECHNOLOGY

THE CITY UNIVERSITY OF NEW YORK

DEPARTMENT OF ARCHITECTURAL TECHNOLOGY

Department of Architectural Technology

Fall 2021

ARCH 4712 ARCHITECTURAL DESIGN VII HD76

Tuesday 2:00pm -5:50pm and Thursday 2:15pm – 5:55pm

1 lecture hour and 8 lab/9 studio hours, credits

Professor Illya Azaroff iazaroff@citytech.cuny.edu

Course Description: This design course covers a range of urban and architectural design issues and the cultural aspects in the development of cities. As an advanced design class, this course incorporates previous studio and lecture coursework to tie together topics of urban planning, architectural design, environmental sustainability, urban infrastructure and historic preservation.

Course Content: There are two design projects and three research assignments. 2D and 3D drawings, and physical study models and final models are utilized in program development, design and presentations. Throughout the semester, the review of historical precedents and selected cities help to create a historical perspective.

Prerequisites: ARCH 3612 with a grade of C or higher

Recommended Text: to be distributed

Week 1. Diversity of Design cities for people Ch 12 Victims and Heros, Finding lost space chapters 1 & 2

Week 2 Rasmussen Towns and Buildings PP 20-38, Hall City of monuments

Week 3 city image lynch

Week 4 Bacon development of Baroque, and renaissance, and Paris

Week 5 Howard Garden city of tomorrow

Week 6 Frampton Place Production Scenography, Rowe Collage City

Week 7 Cullen Intro to the Concise Townscape

Week 8 Diversity and Design Ch. 2 Diverse truths

Week 9-10 Koolhaas Intro+Prehistory+Europeans, Alt Ghirardo Public Space

Week 11 Rogers Cities for a smaller planet, Newman Beatley_Urban Reader - Urban Resilience: Cities of Fear and Hope

Week 12 Farr-Sustainable Urbanism Lessons Learned

“Kevin Lynch : Image of the City

Attendance Policy: No more than 10% absences are permitted during the semester. For the purposes of record, two late arrivals are considered as one absence. Exceeding this limit will expose the student to failing at the discretion of the instructor due to lack of class participation and mastery of class material.

Academic Integrity: Students and all others who work with information, ideas, texts, images, music, inventions and other intellectual property owe their audience and sources accuracy and honesty in using, crediting and citation of sources. As a community of intellectual and professional workers, the college recognizes its responsibility for providing instruction in information literacy and academic integrity, offering models of good practice, and responding vigilantly and appropriately to infractions of academic integrity. Accordingly, academic dishonesty is prohibited in The City University of New York and is punishable by penalties, including failing grades, suspension and expulsion.

Grading: Grading:

- 1. Assignment 1 Neighborhood ... 5 %
- 2. Assignment 2 Site Analysis... 10%
- 3. Assignment 3 Land use / Site Plan ... 10%
- 4. Architectural Master Plan 20%
- 5. Architectural design neighborhood component.....20%
- 6. Class Presentations and Team Participation20%
- 7. FINAL Portfolio..... 15%

Grades A=100-90, B = 90-80, C 80-70, D 70-60, F 60-0

A final grade of C or higher is required in this course to use it as a prerequisite for subsequent courses.

General Education Learning Outcomes / Assessment Methods	
Learning Outcomes	Assessment Methods
Upon successful completion of this course the student shall be able to:	To evaluate the students' achievement of the learning objectives, the professor will do the following:
1. Lifelong learning KNOWLEDE - Show curiosity and the desire to learn. Acquire tools for lifelong learning – how to learn, how they learn, knowledge of resources.	1. Assess students' oral and written report on their site analysis to determine understanding of local issues and their effect in the overall design.
2. Inquiry / Analysis SKILLS - Derive meaning from experience, as well as gather information from observation	2. Assess students' design development through weekly pin-ups.
3. Information Literacies INTEGRATION – Gather, interpret, evaluate, and apply information discerningly from a variety of sources.	3. Assess students' final presentation to evaluate how previous research, precedent studies and reading played a part in the development of the final design.

National Architectural Accrediting Board (NAAB) Students Performance Criteria (SPC)/ Assessment Methods	
Learning Outcomes	Assessment Methods
Upon successful completion of this course the student shall be able to: (Realm . Number) title [depth]	To evaluate the students' achievement of the learning objectives, the professor will do the following:
1. (A.6) Use of Precedents [measured] ABILITY to examine and comprehend the fundamental principles present in relevant precedents and to make informed choices about the incorporation of such principles into architecture and urban design projects.	1. Assess student work through a series of presentations and reports which require the understanding and application of precedents.
2. (A.8) Cultural Diversity & Social Equity [measured] UNDERSTANDING of the diverse needs, values, behavioral norms, physical abilities, and social and spatial patterns that characterize different cultures and individuals and the responsibility of the architect to ensure equity of access to sites, buildings, and structures.	2. Assess student work through the review of site plan in relation to site context. The site plan has to react to existing issues relating to access, infrastructure and buildings.
3. (C.2) Evaluation and Decision Making	3. Assess student work through a review of site

<p>[introduced]</p> <p>ABILITY to demonstrate the skills associated with making integrated decisions across multiple systems and variables in the completion of a design project. This includes problem identification, setting evaluative criteria, analyzing solutions, and predicting the effectiveness of implementation.</p>	<p>analysis report, which has to demonstrate an understanding of existing conditions and potential ways of addressing site problems.</p>
<p>4. (D.1) Stakeholders Roles in Architecture [reinforced]</p> <p>UNDERSTANDING of the relationships among between the client, contractor, architect and other key stakeholders such as user groups and the community, in the design of the built environment. Understanding the responsibilities of the architect to reconcile the needs of those stakeholders.</p>	<p>4. Assess student work through final design presentation, which has to demonstrate how their project reacts to client, community and architect needs.</p>
<p>5. (D.4) Legal Responsibilities [reinforced]</p> <p>UNDERSTANDING of the architect's responsibility to the public and the client as determined by regulations and legal considerations involving the practice of architecture and professional service contracts.</p>	<p>5. Asses Student work through their understanding of local zoning laws and how they are implemented into the final design. This work will be reviewed to see how it incorporates the site amenities report.</p>
<p>6. (D.5) Professional Conduct [reinforced]</p> <p>UNDERSTANDING of the ethical issues involved in the exercise of professional judgment in architectural design and practice, and understanding the role of the AIA Code of Ethics in defining professional conduct.</p>	<p>6. Assess student understanding through their final design presentation, which needs to address the relationship of the architect to public, community and client needs.</p>

Course Specific Learning Outcomes / Assessment Methods	
Learning Outcomes	Assessment Methods
<p>Upon successful completion of this course the student shall be able to:</p>	<p>To evaluate the students' achievement of the learning objectives, the professor will do the following:</p>
<p>1. Observe with a critical eye and engage in discussion on the subject of the course. (Skill)</p>	<p>1. Review student observations and Assess the quality of critical thinking and contributions to discussions during oral and graphic presentations.</p>
<p>2. Synthesize and Apply what is learned to synthesize understanding and to complete assignments given in the class. (Skill)</p>	<p>2. Assess the students' ability to synthesize apply what is learned from lab work and through the grading of assignments.</p>

Topical Outline:

- Site Visits and Analysis (10%)
- Program and Precedent Analysis (10%)
- Urban Infrastructure / Transportation Systems (10%)
- Graphic / Presentation Skills (10%)
- Design Development (40%)
- Local and Regional Issues 10%
- Sustainable Design Strategies 10%

Weekly Course Outline:

Week 1	Introduction Schedule First reading assignment COP project
Week 2	COP Design Development Presentation on Site Conditions, Analysis, Transportation / Similar Case Study
Week 3	COP Design Development
Week 4	Design Project 1 Final Jury Design Project 2 Introduction
Week 5	Student Building Case Study Presentation
Week 6	Work on physical massing studies to be placed on the existing model in V-814
Week 7	Development of massing models
Week 8	Development of the site plan and access
Week 9	Development of lobbies, public spaces, retail spaces Finalize preliminary massing models
Week 10	Finalize proposed design Start Working on Final Presentation
Week 11	Development of Final Drawings
Week 12	Design Development of Sections and Elevations
Week 13	Start work on the final elevations and renderings/ Start work on final model Final renderings due
Week 14	Final model and board layouts
Week 15	Final Project Presentation Portfolio Presentations