**Course Schedule**

**ARCH 3612 Design VI Housing Studio Prof. Jill Bouratoglou**

**Description:**

An advanced design studio examining the significance of public housing. Students research, evaluate, analyze and investigate multi-family housing and urban redevelopment, and propose an exploratory approach to the planning and delivery of housing. The final project consists of designing high density mixed-use housing and public space with community amenities.

**Schedule:**

The semester is a total of 7 weeks. There will be a substantial amount of work done in class and due at the end of the class meeting. There will also be homework assigned for the next meeting. Larger assignments will be assigned over the weekend. All work must be posted to MIRO for reviews and grading. All meetings will be done via zoom and hopefully you will have your cameras on for better interaction.

**Important dates:**

* **Class 17: Tuesday June 29th - Mid-semester review**
* **Class 26: Thursday July 15h - Final Presentation**
* **Class 27: Monday July 19th - Wrap Up and Final Collection**

**Teams:**

The class will be divided into teams who will remain together throughout the semester. Each team will define the rules of their special zoning districts, will research site inventory and analysis and will define site strategies. Working with the guidelines defined by your team, each individual will develop their own Urban Design and Housing Solution.

1. ***Introduction to Course Content and Team Building***
   * **Activity 1a** ***About Me Boards*** – Each student to compose two graphic boards one which expresses their personal interests and one to express their architectural interests. Use in class review to determine teams.
   * **Activity 1b** ***About My Team Boards*** – Each team to compose one graphic boards which includes a photograph and the name of each member. For each team member list the strengths they add to the team and identify at least 1 goal the member would like to accomplish this semester. Write a 2-3 sentence summary that expresses who your team is.
   * **Posting** All final boards, individual, team and class are to be posted on MIRO.
   * **Activity 2** **Introduction to** ***Virtual Site Visit – Inventory & Analysis – (Team)*** With an eye towards defining your own Special Zoning District for the project site, make virtual site visits and complete an inventory and analysis. Consider Circulation (Pedestrian/Vehicular /Private/Public), Views (to the site/ from the site), Environment (Noise, Odor, Vegetation, Winds, Sun), Land Use & Zoning, Demographics, Cultural, Educational, Service Facilities, etc. Divide the work up and put together a cohesive presentation. Introduction of 3D site model- (AV).

**Homework:** ***Assignment: Due- Class 2 Preliminary Inventory and Analysis***.

1. ***Site Analysis, Special Zoning District & Massing Studies***
   * **Activity 1** **Continued Development*– Inventory & Analysis***
   * **Activity 2** **Review of Zoning Districts – Adjacent,** [**www.nyc.gov/planning**](http://www.nyc.gov/planning)
   * **Activity 3** ***Zoning Case Study Massing Study –*** Working with the adjacent zoning rules develop rules for your site (there is no zoning currently for this site). Can take one of the adjacent zones, combine, or develop your own for the group!
   * **Activity 4 Research two Development Proposals –** BIG BQP + Scott Stringer BQE Cut

**Homework:** ***Assignment: Due-*** *development of site analysis and proposed zoning*

1. ***Site Analysis, Creating a Special Zoning District & Zoning Envelop Studies***
   * **Activity 1** **Continued Development*– Inventory & Analysis***
   * **Activity 2** **Review of Zoning Districts – Adjacent,** [**www.nyc.gov/planning**](http://www.nyc.gov/planning)
   * **Activity 3** ***Zoning Case Study Massing Study –*** Working with the group rules create a zoning envelop for this site.
   * **Activity 4 Final slide should be a team Site Strategy showing the findings and how your site will be impacted and how to best proceed with design.**

**Homework:** ***Assignment: Due- Class 4 Final Site Inventory and Analysis Presentation***.

1. ***Site Analysis & Inventory Presentation***
   * **Activity 1** **Presentations of Site Analysis and Inventory, Zoning + Site Strategy Diagram**
   * **Activity 2** **Precedent Studies: Urban Parks + Housing Precedents - Assign**

**Homework:** ***Assignment: Due- Class 5 at 11am Urban Parks + Housing Precedent Studies***

1. ***Precedent Studies***
   * **Activity 1** ***Team work on Precent Boards***
   * **Activity 2** Presentation of Precedent Studies: 11am-12:45pm

**Homework: Assignment : Individual Site Bubble Diagram**

1. ***Concept***
   * **Activity 1** ***Individual Concept Collages -2*** 8:30-9:30am
   * **Activity 2 Individual Concept models- 3 models for each collage = 6 models** 9:30-11am
   * **Activity 3 Post to Miro by 11am REVIEW 11-12:45pm**

**Homework:** ***Assignment: Due Class 7 – Create a Hybrid Model on Site Bubble Diagram***

1. ***Review Hybrid Models***

* **Activity 1Presentations 8:30 of hybrid models on site (physical models)**

**Homework:** ***Assignment: Due Class 8 – Finalize Hybrid Model on Site to Scale with BQP***

1. ***Parti Development***
   * **Activity 1** Presentation and critique of final hybrid model on site and revisions

**Homework: *Assignment - Final Site Concept Model – plans and site sections+ Site Plan Concept***

1. ***Site Concept*** 
   * **Activity 1** Formulation of site strategies and design principles (parti ideas). Development of site concept based on parti emphasizing public/private, open and closed spaces, circulation, views, et al.

***Homework: Assignment Continued- Site Concept Diagrams – plans and site sections***

1. ***Site Form*** 
   * **Activity 1** **Individual** **Final Site Concept Presentations**
2. ***Amenities & Bubble Diagrams***
   * **Activity 1** **Review of Typologies of Housing – Precedent Studies*.*** Begin programming and research into space planning. Complete the program to determine uses, locations and rough sizes of floor areas. Understanding applicable building code.
   * **Activity 2 Matrix and Bubble Diagram Presentation**
   * **Activity 3 Guest Lecture Affordable Housing**

***Homework: Assignment: list Program spaces, Develop Matrix and Bubble Diagram***

1. ***Programming*** 
   * **Activity 1** Discussion and review of amenities, lobby, common spaces, programming matrixes, bubble diagrams.

**Homework: *Assignment: - 4 Concept models+ 2 collages***

1. ***Residential Units*** 
   * **Activity 1** Introduction to Individual Residential Units. Interior planning design concepts and requirements. Discussion of furniture layout, space planning, unit layouts, light and air requirements.

***Homework: Assignment: Homework: Typical unit layout, Studio, 1,2,3 bedrooms in double loaded corridor (Template Board)***

1. ***Building Codes*** 
   * **Activity 1** **Individual review of typical unit layouts**
   * **Activity 2** Building codes, fire stairs, travel distances, core development. Desk crits.

***Homework: Assignment: Development of typical floor plan with core & fire stairs + Fire Egress Diagram with dimension of travel distance +Light/Air Calcs (Template Board)***

1. ***Design Development*** 
   * **Activity 1** **Individual** **Review of typical floor plan layouts**
   * **Activity 2** Development of project massing, core, site, units.

***Homework: Assignment: Final typical Floor plans with egress + Blow-ups with Light +Air Calcs***

1. ***Massing Development*** 
   * **Activity 1** **Individual** **review of typical floor plan layouts**
   * **Activity 2** Continued development of project massing, core, site, units.

***Homework: Assignment: Mid-semester Presentation + Site Plan with images of exterior amenities***

1. ***Mid-semester Presentation*** 
   * **Activity 1** **Midsemester presentation with professors and guest jurors**

***Homework: Assignment*: Rework typical plans, site layout and development of amenities**

1. ***Project Development*** 
   * **Activity 1** Further development of project massing, core, site and units. Development of Plans, Sections, Massing of Unit, typical floor layouts and connections to site.
   * **Activity 2** Continued development of project on site.- FAR
2. ***Ground floor plan – lobby and relationship to site***
   * **Activity 1** **Individual** **review of Site Plan with images of exterior amenities**
   * Further development of project massing, core, site and Lobby. Development of lobby and connection to site- entrances, parking, service, mail, deliveries….

***Homework: Assignment*: Site Development and Lobby plan, site layout and development of amenities**

1. ***Project Development***
   * **Activity 1** Further development of Plans, Building Sections, Exterior Elevations and 3d Models – development of typical floor plans.

**Homework: Assignment: short site sections and 1 long site section**

**Exterior Façade – Landscaping and Site Amenities**

1. ***Exterior Elevations***
   * **Activity 1** Review of site sections. Development of exterior elevations and discussion of materials. Development of site plan and site amenities.

**Homework: Assignment: Exterior Elevations with images of materials**

1. ***Exterior Elevations & Site Development*** 
   * **Activity 1** Review of site sections. Development of exterior elevations and discussion of materials. Development of site plan and site amenities.

**Homework: Assignment: Site Development with images of materials**

1. ***Presentation Methodologies*** 
   * **Activity 1** Review of exterior elevations and image selections. Discussion of final presentation methodologies. Development of thumbnail story board.

**Homework: Assignment: Thumbnail diagrams for final presentation.**

1. ***Desk Crits and Presentation Review***
2. ***Desk Crits and Presentation Review***
3. ***Desk Crits and Presentation Review***
4. ***Final Presentation***
5. ***Collection of Work/Final Submission and Recap***