ARH 550 Thesis Studio Deliverables

Intent

The second semester of the thesis year will build on the research and the initial testing of the hypothesis of the first semester. Having identified a position within the framework articulated by the thesis statement, the ideas will inform the spatial and material qualities of an architectural proposal. This translation process must be evident and robust. The goal is to define the scope of work narrow enough to develop an architectural proposal that is well-resolved. The claim made by the thesis statement is to be tested by the agency of a specific architectural proposal to act as a catalyst within the site context.

Shifting across scales, the testing of the hypothesis is to lead to an in-depth investigation of building systems, components, and building materiality that reinforce the thesis intent.

To this end, the deliverables for the second and final semester of the thesis year will include a list of drawings and models that typically describe an architectural proposal. Additionally, the thesis project is to include documentation that explains how a chosen building system is integrated with the architectural proposal.

Please refer to the **Final Evaluation Rubric** to establish expectations for ARH 550.

Thesis Book

Required Deliverables:

11x17 Thesis Book as PDF and InDesign (packaged) files uploaded to Brightspace

If you run into a size limit, please upload multiple files.

The thesis book should contain ***all*** work from ARH 550 as well as from ARH 510. A detailed explanation for the content of the thesis book is on the following pages.

The thesis book should be created in InDesign. The template created in the first semester will continue to be used in the second semester of the thesis year. The InDesign file should be set up with a consistent title block or identifying graphic on each page that includes page numbers. The sheets should be 11x17. The font size for main text is 10 pt minimum. Font size for citation is 8 pt minimum. All text should be legible when printed on 11x17.

For the digital submission of your thesis book, you must use the "***package***" command in InDesign and include all linked files and fonts.

Please use this file naming convention: "ARH550_S22_last name_first name_thesisbook."

Carefully and thoroughly cite sources of all material referenced, visual and written, in your work if you are not the author. **All images (photographs, diagrams, etc.) must have the citation listed on the same page and not at the end of the thesis book.**

The final submission of the thesis book in the second semester must show proper citation. Thesis students in previous semesters have had to retrieve citation information at the end of the year-long process for all material referenced in their thesis book. We highly recommend that you develop a habit of including citation while you are documenting your research to avoid being in a similar situation. **Incomplete citation in the Thesis Book WILL result in a non-passing grade for the course.**

The thesis book should contain:

a. ***Title Page (project name, student name, date, faculty names, course number, semester and year)***
b. ***Acknowledgements (people who offered advice, expertise, and inspiration)***
c. ***Table of Contents***
d. ***Thesis Statement: In 3-5 paragraphs outline your thesis argument, goals, and methodologies. Summarize the most salient aspects of your project.***
e. ***Research and Analysis (inclusive of work from ARH 510)***
f. ***Project Proposal (see following pages)***
g. ***Works Cited (information that you used to build your thesis argument)***
h. ***Bibliography (list of books that you referenced during your research)***

Work from ARH 510

1. Thesis Statement (PORT)

2. Process and Technique
3. Precedents
4. Site Analysis and Site Selection
5. Program Agenda and Site Strategy
6. Formal Language and Organization of Spaces
7. Program and Massing Correspondence

1. Sustainability Stance

Within the realms of Site Systems, Water Conservation, Energy Use, Materials, and Environmental Quality, identify strategies for responsible use of energy.

Required <u>Minimum</u> Deliverables:

a. Sustainability Diagram

Suggested Deliverables: Research into building systems with sources clearly cited, Digital 3D Diagrams, Qualitative Summary of Process and Decision-making

2. Circulation Strategies

Identify through precedent research, building code articulation and design & systems diagrams how the circulation and movement through the building addresses entry, procession, program sequence, accessibility, and required exiting.

Required <u>Minimum</u> Deliverables:

a. Accurately Scaled <u>Architectural Site Plan</u>

b. Accurately Scaled <u>Architectural Building Plans</u>

c. <u>Egress and Accessibility Diagrams</u> identifying and annotating the accessibility components of the site and building and accurately reflecting an understanding of required exiting.

Suggested Deliverables: Annotated building diagrams indicating the hierarchy of movement through the site and building, Design diagrams addressing programmatic analysis of the building circulation for specific users and visitors, Perspectival views highlighting the sequence of spatial experiences from entry procession and through the critical program spaces

3. Integration of Structure and Architecture

Structure has the capacity to enrich the spatial qualities and define the identity of the building. The highest level of integration between structure and architecture takes place when the architectural formal language is tested against structural possibilities during the early phases of design. In these instances, structure performs beyond keeping the building from collapsing to serve as an organizing device that gives clarity and hierarchy to the architecture.

Describe the process of integration between architecture and structure through load path diagrams, plans, sections. Visualize how the structural expression defines spatial qualities.

Required Deliverables:

a. Structural Grid on floor plans

b. Annotated <u>Structural Systems Diagrams</u> indicating the hierarchy of structural systems through visualizing load paths.

c. Accurately Scaled <u>Architectural Building Sections</u> indicating the integration of structural systems and architectural spatial qualities.

Suggested Deliverables:

a. *Precedent analyses critically evaluating integration of architecture and structure.*
b. *Large scale wall section models and/or drawings that indicate the integration of structure and envelope.*

4. Materiality and Detail

Discuss, annotate, and demonstrate the materials chosen to achieve and complement the thesis design proposal. Identify throughout the drawings how the material decisions become critical to spatial experience, tectonic expression of the formal language, site context analysis, programmatic analysis, sustainable methodologies, etc.

Suggested Deliverables:

a. *Material research. This is an opportunity for you to test and enrich your concept through your choices in material selection. It is encouraged that you explore innovative material and/ or innovative use of conventional material.*
a. *Annotated building elevations and sections explaining how materiality reinforces your architectural intent*
b. *Large scale wall section models and/or drawings that indicate how materiality is driving decisions regarding building component assembly*
c. *Perspectival views describing the spatial experience highlighting materiality and natural light*

Minimum Requirements for Second Semester

1. Diagrams describing Building Organization in terms of Program and Circulation and Site Response. Must support the Architectural Intent and the Thesis Statement.
2. Site Plan (showing adjacent buildings, transportation infrastructure, hardscaped and softscaped open spaces, streets and sidewalks, street furniture, etc.)
3. Critical Building Plans (showing exterior and interior walls, doors, fenestration, glazed walls, structural grid, stairs, ramps, elevators, site context on ground floor plan, overhang conditions where applicable)
4. Critical Building Sections (showing spatial qualities, natural light conditions, fenestrations, glazed walls, building material tectonics, envelope and structural systems, scale figures)
5. Structural Systems Diagrams
6. Egress and Accessibility Diagrams
7. 3D Vignettes
8. Final Thesis Model