Chelsea Craft Guild, New York, N.Y.

Syllabus: Synthesis Seminar

Arch 561 and Arch 547G

New Jersey School of Architecture / HCAD / NJIT

Spring 2025

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I. Introduction:

The Synthesis Seminar is a co-requisite with the Advanced Studio II. Its purpose is address each of the ten Design Criteria required by the National Architectural Registration Board. Each of its ten criteria, sub-categories and questions are addressed through research, analysis and integration / synthesis into your architectural studio project.

The undergraduate Arch 595 Advanced Studio II & Arch 561 Synthesis Seminar, and the graduate Arch 506G Advanced Studio II & Arch 547G Synthesis Seminar, focusses on a sufficiently complex architectural design project to illustrate all criteria required by the NAAB, and constitutes summative "capstone project." The New Jersey School of Architecture developed these courses to address the NAAB student criteria introduced in its 2020 Conditions for Accreditation, to assess students' individual abilities to both "synthesize" and "integrate" an array of discrete conjectural, technical, regulatory and programmatic elements into a single architectural design project.

The course's NAAB Criteria lists the ten topics, sub-topics and questions to be addressed. The course's Reference list is the primary source of research and design application information for each of the ten criteria. The shared Advanced Studio II and Synthesis Seminar course Google Drive provides an additional library of architectural design and technical documents, and tutorials that are part of this course.

II Course Format:

The Synthesis Seminar is a co-requisite with the Advanced Studio II, with an integrated schedule and curricular content. The Seminar's schedule is based upon weekly submissions, which are always on Monday. The assignments of the Seminar are based upon the sequential development of work of the Architectural Studio. All of the Architectural Studio's Review's occur on Monday.

The Synthesis Seminar includes five phases:

1. The semester's initial phase includes small group research of the project's site, functions and regulatory requirements during the Conceptual Design Phase of the Studio.

2. This is followed by two building performance analyses, and the structural and HVAC systems design at the building scale during the Schematic Design Phase of the Studio.

3. During the Technical Development of the Studio, the focus is upon two Sustainability analyses, and Building Enclosure.

4. During the Presentation Phase of the Studio, the Synthesis Seminar focusses upon the preparation and review of drafts of the Synthesis Seminar Final Record booklet.

5. The last two weeks of the semester are devoted to the editing of the Final Record submission of the Synthesis Seminar booklet.

III. Assignment Schedule: National Architectural Accrediting Board Criteria

See the Advanced Studio II Syllabus for descriptions of ten NAAB Criteria and each of their specific questions to be addressed, with suggested technical references and tutorials.

See the Synthesis Seminar Final Record requirements for format and content.

Assignment Due Dates listed below are for the completed Initial Draft Submission of the assignment, which can be revised and corrected for the following cumulative Draft Submissions on April 28 and May 1st.

The research and analysis of Site Conditions, User Requirements, Regulatory, Life Safety and Accessibility codes and requirements is to be undertaken by two-person student studio-seminar discussion groups.

The design synthesis assignments are to be completed by each student in relationship to their design project.

a. Site Conditions:

Assignments:

3 February 1 - A: Site Analysis Research: Each Studio Section is to be divided into two person groups to research all topics, questions and references listed above. The purpose is to prepare an 11" x 17" PDF booklet providing all the technical and design information as it only applies to the specific conditions and requirements of this Advanced Studio project. Issues which do not have the potential of influencing the design project should not be considered. For example, analysis of solar paths and weather conditions should be sufficiently detailed, and accurate to provide specific information for architectural design. Review and consider all information and issues provided in the Advanced Studio II Syllabus. The information must be specific, accurate and complete, which can then be synthesized into any architectural design proposal. Information from this research can be part of the final 11" x 1" PDF booklet Final Record Submission with appropriate credit given to each author.

28 April 1 - B: Design Synthesis Documentation: Each student is to explain through words, diagrams, images, technical drawings, etc. how the group's research and any other studies have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 1" PDF booklet Final Record Submission.

Primary References:

Climate Consultant 6 Software https://www.sbse.org/resources/climate-consultant

Climate Studio v1.9 Installer https://drive.google.com/file/d/1UhIKKHrbwIQWpYLiME5KMHo0oOKtMkIr/view?usp=sharing

b. Environmental Impact:

Assignments:

7 April 2 - A: Technical Analysis I: Each student is to research and accurately analyze, using Tally or Froma, the initial technical performance of their studio project at the scale of the entire building, addressing all topics, questions and references listed above. The information must be specific, accurate and complete. The analysis is

to evaluate the performance of the initial Design Development stage. The analysis should evaluate and implement both design and technical changes to improve the environmental impact of the proposed design.

14 April **2 - B: Technical Analysis II and Design Synthesis:** Each student is to research and accurately analyze, using Tally or Forma, the technical performance of their studio project addressing all topics, questions and references listed above. The information must be specific, accurate and complete. Test alternative design and technical choices to maximize the designs performance. The analysis is to evaluate the performance of the final Design Development stage of the design.

1 May **2 - C: Design Synthesis Documentation:** Each student is to present, through comparative study of their initial and final technical analysis, how they have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 1" PDF booklet Final Record Submission.

Primary References:

REVIT: Tally for Revit https://kierantimberlake.com/page/tally

https://choosetally.com/download/

https://choosetally.com/tutorials/

One Click LCA https://academy.oneclicklca.com/courses/building-life-cycle-assessment-onboarding-edu-users

Autodesk Forma

c. User Requirements:

Assignments:

27 January **3 - A: User Requirements Research: Each Studio Section is to be divided into two person groups to research all topics, questions and references listed above.** The purpose is to prepare an 11" x 17" PDF booklet providing all the technical and design information as it only applies to the specific conditions and requirements of this Advanced Studio project. Issues which do not have the potential of influencing the design project should not be considered. For example, interesting information which does not provide specific information for architectural design should not be included. Review and consider all information and issues provided in the Advanced Studio II Syllabus. The information must be specific, accurate and complete, which can then be synthesized into any architectural design proposal. Information from this research can be part of the final 11" x 1" PDF booklet Final Record Submission with appropriate credit given to each author.

28 April **3 - B: Design Synthesis Documentation:** Each student is to explain through words, diagrams, images, technical drawings, etc. how the group's research and any other studies have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 1" PDF booklet Final Record Submission.

Primary References:

Neufert Architects' Data, Ernst and Peter Neufert. Wiley-Blackwell

Timesaver Standards for Architectural Design Data, Donald Watson

Timesaver Standards for Building Types, Joseph De Chiara

d. Regulatory Requirements:

Assignments:

10 February 4 - A: Regulatory Requirements Research: Each Studio Section is to be divided into two person groups to research all topics, questions and references listed above. The purpose is to prepare an 11" x 17" PDF booklet providing all the technical and design information as it only applies to the specific conditions and requirements of this Advanced Studio project. Do not include miscellaneous information or requirements such as emergency signage, threshold design, handrail design, fire dampers, etc. Include only those requirements that will influence the scales of the project outlined in the Advanced Studio II Syllabus. The information must be specific, accurate and complete, which can then be synthesized into any architectural design proposal. Information from this research can be part of the final 11" x 1" PDF booklet Final Record Submission with appropriate credit given to each author.

28 April 4 - B: Design Synthesis Documentation: Each student is to explain through words, diagrams, images, technical drawings, etc. how the group's research and any other studies have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 1" PDF booklet Final Record Submission.

Primary References:

IBC 2021: https://codes.iccsafe.org/content/IBC2021P1

2021 Building Codes Illustrated, Francis Ching
http://ebookcentral.proquest.com.libdb.njit.edu:8888/lib/njit/detail.action?docID=6790678

https://www.buildingcode.blog/

IBC Occupant Load Calculator 2021
https://www.buildingcode.blog/ibc-occupant-load-calculator.html

Plumbing Fixture Calculator
https://www.buildingcode.blog/plumbing-fixture-calculator.html

High Rise Requirements
https://www.buildingcode.blog/uploads/1/2/9/9/129929641/building_code_blog_-_high_rise_cheatsheet.pdf

IBC Allowable Height and Area Calculator
https://www.buildingcode.blog/allowable-height-area-calculator-non-separated-mixed-occupancy-37216.html

e. Accessible Design:

Assignments:

17 February 5 - A: Accessible Design Research: Each Studio Section is to be divided into two person groups to research all topics, questions and references listed above. The purpose is to prepare an 11" x 17" PDF booklet providing all the technical and design information as it only applies to the specific conditions and requirements of this Advanced Studio project. Include only those requirements that will influence the scales of the project outlined in the Advanced Studio II Syllabus. The information must be specific, accurate and complete, which can then be synthesized into any architectural design proposal. Information from this research can be part of the final 11" x 1" PDF booklet Final Record Submission with appropriate credit given to each author.

28 April **5 - B: Design Synthesis Documentation:** Each student is to explain through words, diagrams, images, technical drawings, etc. how the group's research and any other studies have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 1" PDF booklet Final Record Submission.

Primary References:

2010 ADA Standards for Accessible Design

ADA In Details: Janis Kent, Wiley

2021 Building Codes Illustrated, Francis Ching
http://ebookcentral.proquest.com.libdb.njit.edu:8888/lib/njit/detail.action?docID=6790678

f. Life Safety Systems:

Assignments:

10 February **6 - A: Life Safety Systems Research: Each Studio Section is to be divided into two person groups to research all topics, questions and references listed above.** The purpose is to prepare an 11" x 17" PDF booklet providing all the technical and design information as it only applies to the specific conditions and requirements of this Advanced Studio project. Include only those requirements that will influence the scales of the project outlined in the Advanced Studio II Syllabus. The information must be specific, accurate and complete, which can then be synthesized into any architectural design proposal. Information from this research can be part of the final 11" x 1" PDF booklet Final Record Submission with appropriate credit given to each author.

28 April **6 - B: Design Synthesis Documentation:** Each student is to explain through words, diagrams, images, technical drawings, etc. how the group's research and any other studies have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 1" PDF booklet Final Record Submission.

Primary References:

IBC 2021: https://codes.iccsafe.org/content/IBC2021P1

2021 Building Codes Illustrated, Francis Ching
http://ebookcentral.proquest.com.libdb.njit.edu:8888/lib/njit/detail.action?docID=6790678

https://www.buildingcode.blog/

IBC Occupant Load Calculator 2021
https://www.buildingcode.blog/ibc-occupant-load-calculator.html

g. Structural Systems:

Assignments:

3 March **7 – A: 3D Structure Analysis and Design:** Each student to design and analyze the structural system including the logic of the load paths, approximate thickness and slenderness ratios of all structural components and the lateral stability of the building and structural elements. Analysis methods include StruCalc, Structural Table (Architectural Studio Companion), and analytical comparison to similar architectural precedent.

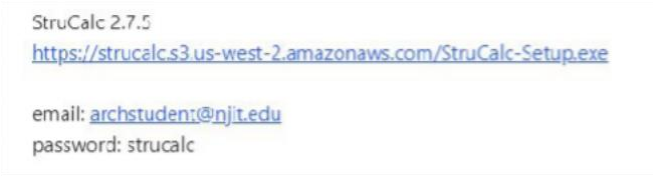
Explain through notated 2D and 3D diagrams the structural system, how the design has integrated the topics and questions listed into their initial architectural design proposal.

1 May **7 - B: Design Synthesis Documentation:** Each student is to explain through notated 3D diagrams, technical drawings, etc. how they have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 17" PDF booklet Final Record Submission.

Primary References:

The Architectural Studio Companion: Edward Allen & Joseph Iano

STRUCALC https://strucalc.com/
Email the sales@thevitruviusproject.com with your current student ID and request a student license.



h. Environmental Control Systems:

Assignments:

10 March **8 – A: Systems and Diagrams:** Basic design and integration of the HVAC System into the proposed project, including centralized or decentralized location of heat pumps, primary piping circulation, if any, general location of air handlers, and integration into the Building Wall Section. Each student is to explain through notated 2 D and 3D diagrams, how their design has integrated the topics, questions and references listed above into their initial architectural design proposal.

1 May **8 - B: Design Synthesis Documentation:** Each student is to explain through notated 3D diagrams, technical drawings, etc. how they have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 17" PDF booklet Final Record Submission.

Primary References:

Mechanical and Electrical Equipment for Buildings: Grondzik, Kwok, Stein, Reynolds
https://ebookcentral-proquest-com.libdb.njit.edu:8443/lib/njit/detail.action?docID=468540

i. Building Envelope Systems and Assemblies:

Assignments:

24 March **9 – A: 2D & 3D Technical Drawing:** Each student is to explain through notated 2D and 3D technical drawing, how their design has integrated the topics, questions and references listed above into their initial architectural design proposal at the Design Development phase. Research and select specific materials and systems, which are to integrated into the design and technical aspects of the proposed design. In conjunction with the Advanced Studio assignments, develop an initial 3D Building Wall Section model addressing the aesthetic,

materials and systems, thermal insulation, water protection, structural and hvac systems integration.

21 April **9 – B: 2D & 3D Technical Drawing:** Each student is to explain through notated 3D technical drawing, how their design has integrated the topics, questions and references listed above into their initial architectural design proposal at the Technical Development phase. In conjunction with the Advanced Studio assignments, finalize the 3D Building Wall Section model addressing the aesthetic, materials and systems, thermal insulation, water protection, structural and vac systems integration.

1 May **9 - C: Design Synthesis Documentation:** Each student is to explain through notated 3D diagrams, technical drawings, etc. how they have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 17" PDF booklet Final Record Submission.

Primary References:

Detail Magazine / Detail Inspiration via HCAD Library website/

The Architectural Studio Companion, Edward Allen & Joseph Iano

https://transmaterial.net/

j. Building Performance:

Assignments:

24 February **10 - A: Schematic Design Analysis:** Each student is to research and accurately analyze the initial technical performance of their studio project addressing all topics, questions and references listed above. Using Insight, analyze the energy performance of the proposed design at the building scale. Evaluate the design and technical alternatives to maximize the energy performance above the minimum ASHRAE standard, while maintaining the architectural design, thermal and visual comfort of the proposed project. The objective is to meet the AIA 2030 Standard. The information must be specific, accurate and complete. The analysis is to evaluate the performance of the initial Design Development stage of the design.

31 March **10 - B: Design Development Analysis:** Each student is to research and accurately analyze the technical performance of their studio project addressing all topics, questions and references listed above. Re consider and evaluate the design and technical alternatives to maximize the energy performance above the minimum ASHRAE standard, while maintaining the architectural design, thermal and visual comfort of the proposed project. The objective is to meet the AIA 2030 Standard. The information must be specific, accurate and complete. Test alternative design and technical choices to maximize the designs performance. Develop and present a comparative analysis of the Schematic and Design Development Building Performance.

1 May **10 - C: Design Synthesis Documentation:** Each student is to present, through comparative study of their initial and final technical analysis, how they have integrated the topics, questions and references listed above into their final architectural design proposal. This is to be part of the final 11" x 1" PDF booklet Final Record Submission.

Primary References:

Sun, Wind & Light: Brown & DeKay
https://primo-njit-edu.libdb.njit.edu:8443/discovery/fulldisplay?context=L&vid=01NJIT_INST:NJIT&search_Sustainable

Revit / Insight: https://www.autodesk.com/products/insight/overview

https://blogs.autodesk.com/revit/2021/07/06/autodesk-insight-webinar-series/

Draft Seminar Final Record:

Assignments:

28 April **D - A:** Each student is to prepare a final draft copy of their entire Final Record Booklet PDF including the five following sections: User Requirements, Site Conditions, Regulatory Requirements, Accessible Design, and Life Safety Systems

1 May **D - B:** Each student is to prepare a final draft copy of their entire Final Record Booklet PDF including the five following sections: Structural Systems, Environmental Control Systems, Building Envelope Systems and Assemblies, Building Performance, and Environmental Impact.

IV. Final Record Documentation:

Each Chapter of Section Two is to address all of the ten Criteria topics listed in bold type and each of the questions listed in *"National Architectural Accrediting Board Criteria."*

Through notating drawings, diagraming, notations, 3D hvac and structural systems diagrams, comparable energy and sustainability analysis, life safety, egress, accessibility calculations and diagrams, written statements, site and functional analysis, technical drawings and notations, etc. describe and prove how your design has accomplished each issue and question listed in the ten NAAB Criteria.

Note: In some cases, the topic or question may not apply to your specific design. In that case, explain why your proposed design is not required comply.

Format: A single document, multipage 11 x 17 landscape format PDF file.

Final Record Synthesis Seminar Booklet:

a. Cover Page: Student Name / Teachers Name / Semester / Course #

b. Section One: Advanced Studio II Final Review Documentation:

1) Final Presentation Boards: entire "wall poster" of all Final Review requirements, one page.

2) Architectural Documentation: one or two drawings per page.

3) Technical Documentation: one or two drawings per page.

4) Comparable Architectural & Building Systems Diagrams: Structural Systems, HVAC, Egress, Life Safety, Accessibility.

5) Final Presentation Model: 4 views, one per page.

6) Serial Views: 4 views, four per page.

7) Contextual Views: 4 views, four per page.

c. Section Two: Synthesis Seminar Documentation:

i. **Site Conditions:** Site Analysis and notated description of Studio Project's compliance and response.

ii. **Environmental Impact:**

1. Comparison of Tally or Forma Analyses of Building Envelope
2. Summary: evaluating effectiveness of design and describing technical changes of building façade.

3. User Requirements: Program Analysis and notated description of Studio Project's compliance and response including 3D functional organization diagram.

4. Regulatory Requirements: Regulatory Analysis and notated description and analytical proof of Studio Project's compliance and response.

5. Accessible Design: Accessible Design Analysis and notated description and analytical proof of Studio Project's compliance and response.

6. Life Safety Systems: Life Safety Analysis and notated description and analytical proof of Studio Project's compliance and response.

7. Structural Systems: Structural Design Requirements and notated description and analytical proof of Studio Project's compliance and response.

a. Building Scale Structural System 3D Drawings: including foundations, primary and secondary structure and floors.

b. Structural Analysis: through Strucalc, Structural Table illustration, or Analysis of comparable Architectural Precedent.

8. Environmental Control Systems:

a. Building Scale HVAC Systems 3D Drawings: including HVAC plant locations, prior & secondary distribution diagram.

9. Building Envelope Systems and Assemblies: 3D Partial Building Section, 3D Wall Section in One Point Perspective, Axonometric View, Partial Exterior and Interior Elevations, with notation of materials and systems, from "footing to sky"

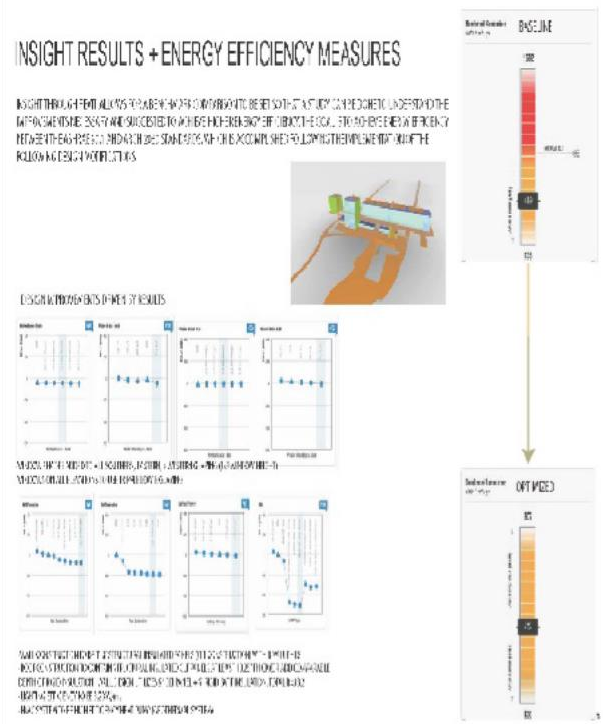
10. Building Performance:

a. Conceptual Design Insight Analysis

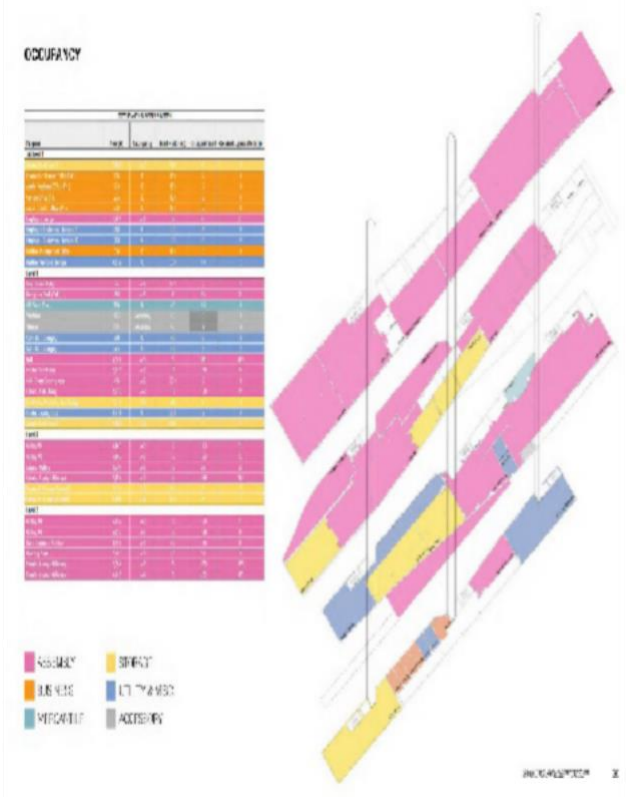
b. Design Development Insight Analysis

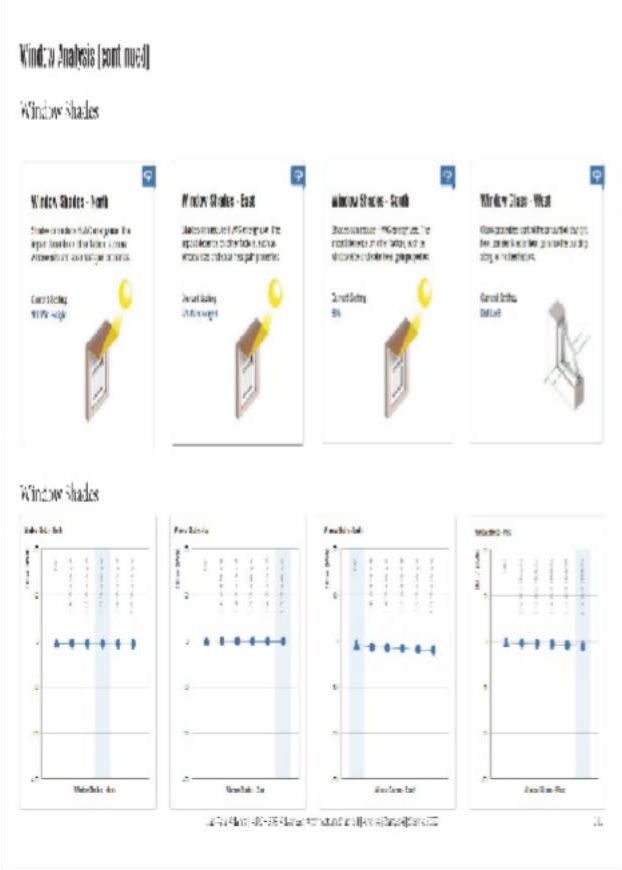
c. Comparison and Evaluation of Insight Analysis: Analytical proof of energy compliance minimum of ASHRAE standard. Description of design and technical changes to the design that achieves energy conservation compliance.

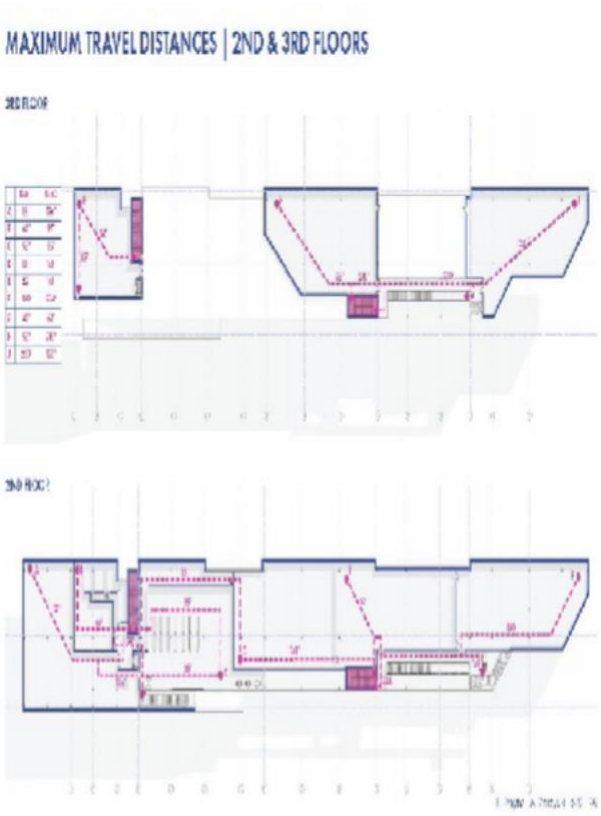
D. Sample Booklet Content:

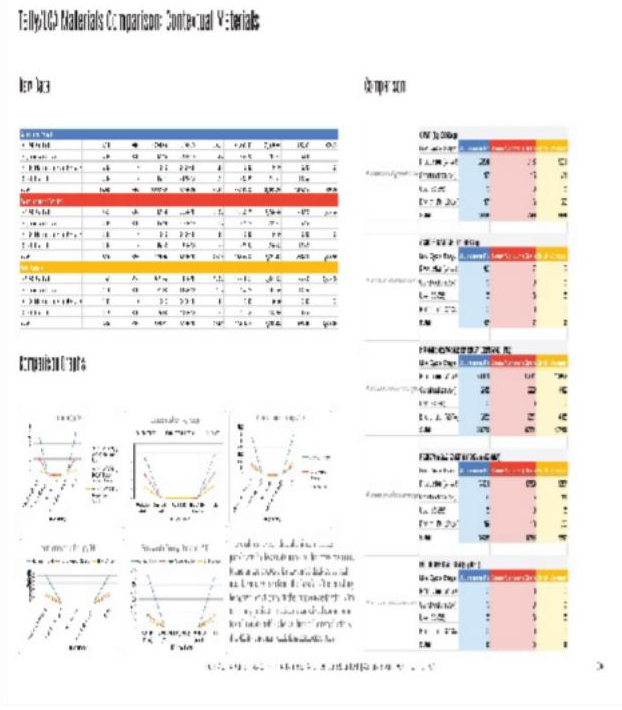


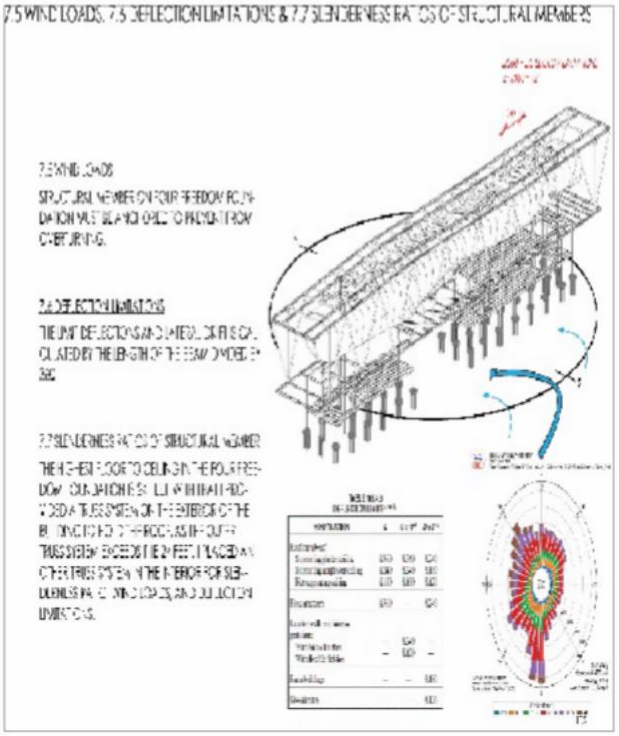
Comparison & explanation of primary verses final Energy Analysis.





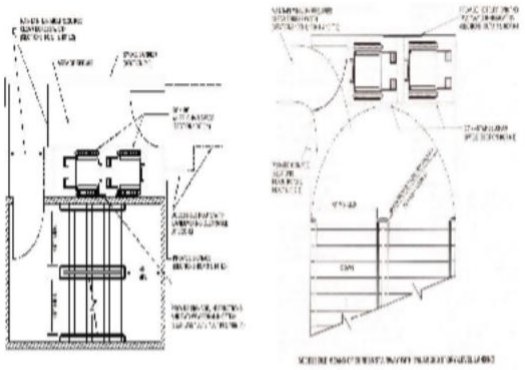






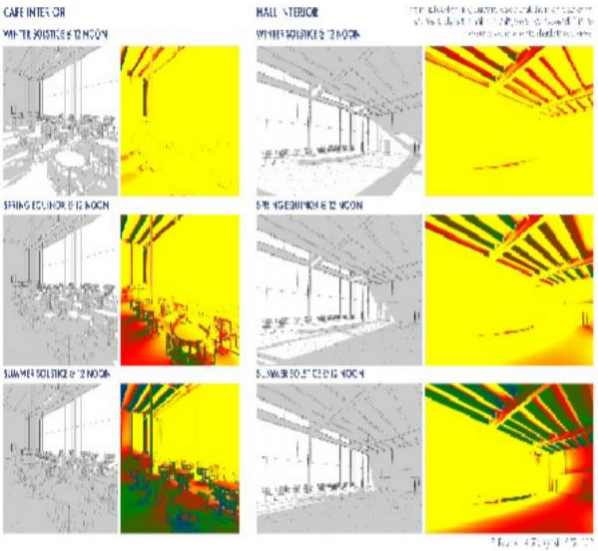
Carbon Footprint Analysis

FIRE STAIR DESIGN/AREA OF REFUGE

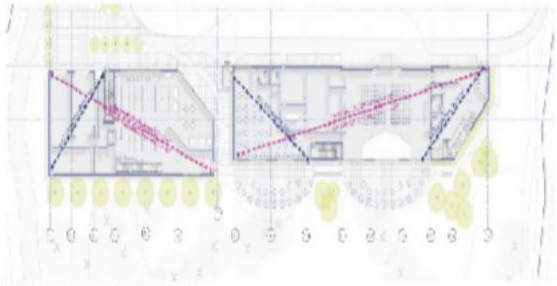


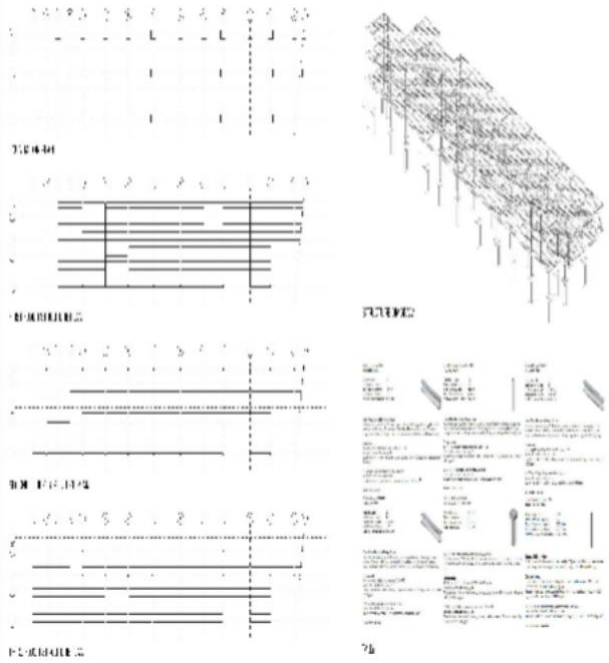
Chapter 10 Means of Egress

INITIAL DAYLIGHTING STUDIES | INTERIOR



EXIT SEPARATION | GROUND FLOOR





V. Final Record:

As per HCAD / NJIT policy, Final Grades will not be issued until your work is completely submitted to both Canvas AND your Studio Section's shared Google Drive, *exactly* complying with all the following requirements:

Due: 11:59 PM, Sunday, 11 May 2025.

SPRING 2025 Chelsea Craft Guild / STUDENT WORK / "ZZ" Studio / Synthesis Seminar / "Last First Name"

The booklet must exactly follow all the formatting requirements indicated, including titles, order of content, etc.

PDF File Name: "Student Last Name" "Student First Name" Synthesis Seminar S25 .pdf

VI. Administrative Policies:

A. Course Pre-Requisites:

A grade of "D" of higher in Advanced Studio I, Arch 495 or a grade of "C" or higher for Advanced Studio I, Arch. 505G.

For the Bachelor of Architecture degree, a grade of "D" of higher in Structures I & II, Construction I & II, ECS I & II and Landscape and Urbanism.

The Synthesis Seminar, Arch 561 is a Co-Requisite for the Advanced Studio II, Arch 595.

The Synthesis Seminar, Arch 547G is a Co-Requisite for the Advanced Studio II, Arch 506G.

The Synthesis Seminar can be repeated, if necessary, without retaking the Advanced Studio II.

B. In-Class Policies:

a. The use of cell phones during the class hours for texting, emailing, or engaging in non-academic activities is not permitted. Emergency calls should be taken outside of the classroom. Entertainment including movies and games within and during class hours is prohibited.

b. It is the responsibility of each student to seek architectural criticism, references and general guidance throughout the entire semester from their seminar teacher, other members of the NJSOA faculty, guest critics, HCAD library, and the studio's shared Google Drive resources.

c. The courses shared Google Drive includes extensive project reference materials, course Syllabi, examples of Presentation Types and Final Reviews, Architectural Precedents, Required Readings, Site Data and Photographs, Technical References, Tutorials. It is the responsibility of each student to be familiar and study the provided materials. The faculty reserve the right to require additional quizzes, tests and/or assignments that are not listed in the Syllabus.

d. The submission of late work, non-participation in class, not regularly participating in class discussions, absence from interim assignment presentations can be the sole basis for not passing the course.

e. In fairness to all students and following Institute Policy, unless there is cause due to bereavement, medical conditions, military activity, legal obligations, or university-sponsored events, justification for the submission of late work and / or the issuing of the final grade of "Incomplete" must be approved by the Dean of Students Office within fourteen days of assignment's due date.

g. Without this approval by the Dean of Students assignments uploaded or submitted late will be reduced in grade as follows: up to 24 hours = One Full Letter Grade reduction, 24 to 48 hours = Two Full Letter Grade reduction, and after 48 hours = the grade of F.

C. NAAB Accreditation Criteria:

The National Architectural Accrediting Board (NAAB) accredits NJIT's architecture programs. The NAAB criteria must be covered and proven by any architectural curriculum to attain their approval. This course directly addresses the following, as outlined in the 2020 NAAB Conditions for Accreditation through the ten NAAB Criteria listed above:

SC.5 Design Synthesis—*How the program ensures that students develop the ability to make design decisions within architectural projects while demonstrating synthesis of user requirements, regulatory requirements, site conditions, and accessible design, and consideration of the measurable environmental impacts of their design decisions.*

SC.6 Building Integration—*How the program ensures that students develop the ability to make design decisions within architectural projects while demonstrating integration of building envelope systems and assemblies, structural systems, environmental control systems, life safety systems, and the measurable outcomes of building performance.*

D. NJIT / HCAD / NJSOA Academic Policies:

1. Academic Integrity: 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 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 to the Office of the Dean of Students. The identity of the student filing the report will remain anonymous. All students are expected to adhere to the University Code on Academic Integrity and to the Code of Student Conduct.

Please note that it is the teacher's professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. Any student found in violation of the code by cheating, plagiarizing or using any illegal software will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university. If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at dos@njit.edu.

Dean of Students: www.njit.edu/doss Code of Academic

Integrity:
https://www.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf

Code of Student Conduct: https://www.njit.edu/doss/policies/conductcode/index.ph p

2. Plagiarism: It is extremely important that students familiarize themselves with a proper way to cite visual and intellectual sources. Plagiarism whether deliberate or inadvertent simply cannot be tolerated. Simply put, plagiarism is the use of visual or intellectual material created by others without proper attribution. Even the use of one's own material for more than one assignment can also be considered plagiarism. Students should not do so without the expressed consent of all instructors involved. The HCAD librarian Maya Gervits has assembled excellent resources on copyright, plagiarism citing, and avoiding plagiarism:

http://researchguides.njit.edu/c.php?g=671665&p=4727 920

3. Students with Disabilities: It is the school's moral, ethical, and legal obligation to provide appropriate accommodations for all students with physical and/or learning disabilities. If students need an accommodation related to disabilities, all official documentation must be filed with the Dean of Students and the Disability Support Service Office. It is the responsibility of the student to notify the instructor at the beginning of the semester if accommodations have been applied for.

Dean of Students: https://www.njit.edu/doss/ Disability

Support Service:
http://www.njit.edu/studentsuccess/disability-support-services-0/

4. Students Rights and Responsibilities:

http://catalog.njit.edu/undergraduate/academic-policies-procedures/student-rights-responsibilities/

5. NJIT Undergraduate Grading Definitions:

Letter	Points	Definition
A	94	Superb
B+	88	Excellent
B	82	Very Good
C+	76	Good
C	70	Acceptable
D	64	Minimum
F	0 - 64	Failure
I		Incomplete

Historically the average grade for the Undergraduate Synthesis Seminar has been between "C+ and B."

6. NJIT Graduate Grading Definitions:

Letter	Points	Definition
A	94	Excellent
B+	88	Good
B	82	Acceptable
C+	76	Marginal
C	70	Minimum
F	0 - 70	Failure
I		Incomplete

Historically the average grade for the Graduate Synthesis Seminar has been between "B- and B."

7. Faculty Office Hours: All faculty teaching are available by appointment for either in person, email or online video conferencing. Contact your instructor to make an appointment.

8. Course Documentation:

1. GOOGLE DRIVE: This course will use the studio's shared Google Drive as the repository for each phase of the semester's assignments including for the Final Record.

All assignments of student work must be uploaded in the appropriate assignment folders.

2. CANVAS / KEPLER: Final Record: Kepler on CANVAS

The Canvas / Kepler system will be used only for the NJSOA Final Record documentation for the course.

All course materials will be available only on the Studio's shared Google Drive.

To access CANVAS, you must have a UCID account with NJIT. KEPLER: Students must upload copies of their assignments to the new KEPLER 5 system found under the KEPLER tab in CANVAS "Modules".

CANVAS Final Record folder is automatically ported to KEPLER, although students need to initiate a separate KEPLER upload. Pdfs and .jpegs format files are required ensure view ability. KEPLER no longer has individual student folders.

9. Rights and Conditions:

1. All student work, both digital and physical, may be retained by the New Jersey School of Architecture, HCAD, NJIT, teacher or faculty member, for accreditation purposes, academic reference, design competitions, conferences, papers, institute publications, and / or public display, whether in print and online.

NJSoA/HCAD/NJIT retains the right to a copy of all academic material prepared by students in conjunction with all courses and research. Student work includes preliminary and final academic work including physical models, digital images, prints, drawings, writings and their digital source files.

2. All reference materials provided on-line, via electronic communication or as part of classroom instruction, (including but not limited to videos, music, sounds, books, e-book links, journal and magazine articles, online images, links to any other publication, tutorials, images, models, articles, writings, diagrams, drawings) are to be used in conjunction with this academic course's assignments only, and cannot be retained, copied, distributed or used for any other purpose, person or at any other location.

3. All educational and reference materials are to be deleted completely, including from all public or private storage devices, no later than the end of the last exam day of the semester. They are not to be shared nor retained for any other purpose, nor in any form, beyond the direct use for academic assignments during this semester.

4. Academic presentations, reviews, discussions, recordings, and other materials which are part of the course materials are not to be transmitted, shared, posted online, made publicly accessible, or to be used by any person not enrolled in the course, or other third party without the **written** and dated permission of the course Coordinator.

5. All in-class or online discussions, formal and informal reviews, which are part of this course, are not to be screen captured, recorded, transmitted, shared, posted online, made accessible or made public at any time or in any manner without the express **written** and dated permission of the instructor and all attending guest teachers.

6. Students, whether on or off campus, attending class, participating in field trips, engaged in model making, or any other type of academic activity are responsible for their own safety and well-being. Faculty, teachers, and guests accept no responsibility, directly or implied, for the safety, health, actions or inactions of any student or group of students regardless of their age or the circumstance.

7. The course Syllabus is the minimum outline of course, requirements, review and presentation requirements and overall course standards and content. Each course section may also add to the design research, project references, analytical methods, presentation requirements, assignments and assignment reviews as appropriate.

Registering for this course, accessing any course material or attending any meeting of this course, in person or remotely, confirms your acceptance of all the "Rights and Conditions" listed above without exception or modification.

SUN.	MON. STUDIO	MON. SEMINAR	TUES.	WED.	THURS. STUDIO	THURS. SEMINAR	FRI.	SAT.
					AH MTG 23			SITE VISIT 25
	12:30 ARCH PREC. 27	USER 3-A			CONCEPT I 30			
	ARCH PREC 3	SITE 1-A			CONCEPT II 6			
	10	REGUL. 4-A LIFE SFTY 5-A			CONCEPT REVIEW 13		SITE MODEL 14	
	12:30 17	ACCESS. 6-A			ELEV NB 20		STUDIO ASSMT 1 21	
	24	BLDG PERF 10-A			27			
	3	STRUCTURE 7-A			SCHEMATIC REVIEW 6			
	12:30 10	ECS 8-A			LANDS NB 18		SEMINAR ASSMT 14	
		SPRING RECESS						
*	DESIGN DEV REVIEW 24	ENVELOPE 9-A			MAT NB 27			
	12:30 31	BLDG PERF 10-B			3		STUDIO ASSMT 2 4	
	7	ENV IMP 2-A			TECHNICAL REVIEW 10			
	14	ENV IMP 2-B			17			
	12:30 21	ENVELOPE 2-B			PRE-FINAL REVIEW 24			
	28	DRAFT D-A SEMINAR			1	DRAFT D-B SEMINAR		
	5		FINAL REVIEW 6		8			
SEMINAR RECORD	12		STUDIO RECORD 13	14	FACULTY REVIEW 15		FINAL GRADES 16	

Advanced Studio II & Synthesis Seminar

Classroom Locations, Studio-Seminar Faculty Teams & Faculty Collective Grading Groups

Each studio-seminar section pair is to be divided into common two student research and discussion groups.

Studio and Seminar Group One:

John Cays — cays@njit.edu
Sunny Li — xiaosunny.li@njit.edu
Studio: **Colton 343A**

Viktoria Diskina — Viktoria.M.Diskina@njit.edu
Chris Teeter — cteeter@metamechanics.com
Studio: **Colton 343B**

Dincer Savaskan — dincer.savaskan@njit.edu
Gayatri Desai — desaihgayatri@gmail.com
Studio: **Colton 343C**

Studio and Seminar Group Two:

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Peter Dumbadze — pdd@njit.edu
Gabe Canizo — gabriel.canizoperez@njit.edu
Studio: **Colton 281B**

Cleve Harp — Cleveland.harp@njit.edu
Karen Wenschhof — kw86@njit.edu
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Studio and Seminar Group Three:

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Studio: **Weston 255**

Stephen Zdepski — zdepski@njit.edu
Sampath Pedirdla — sampathpediredla@gmail.com
Studio: **Weston 256**