

Studio Professor

Henri T. de HAHN

Studio: Cowgill Hall 4th Floor
MWF 1:25 – 5:15pm

Seminars: TBD

Office hours: MWF 11:00 – 12:00 or by appointment

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Francois Boucher, *Madame Boucher* (1734) detail
Norman Rockwell, untitled (1946) detail
Loft detail:

<http://www.home-designing.com/2015/12/a-kid-friendly-apartment-renovation-by-ruetemple-architects>

“The house is perhaps the single most important design problem for an architect. It is the one building type that inspires the greatest variety of expressions responding to one of the most basic human needs: home. In the house, the architect expresses his or her idea of how we should live. From Palladio’s ideal villas to Frank Lloyd Wright’s prairie houses and Le Corbusier’s machines for living, the house, more than any other building type, has been an important repository of our traditional way of life and the primary conveyer of new ideas in architecture.”

ROBERTO DE ALBA, Architectural journalist and designer

SCHEDULE:

Given: Friday, February 4, 2022

Due: Friday, March 18, 2022

INTRODUCTION:

This semester’s projects (Spring 2022) will be split into two research agendas following the Fall 2021 topic surrounding the idea of rural domesticity (Wall House).

Project 1 – **urban loft** in Lexington, KY – speaks about a way of living.

Project 2 – **café** on VT’s campus is about a place to congregate.

Both projects reflect the inherent need for humans to call a house/apartment a home and how a café may be seen as a public extension of domestic spaces. Between visionary speculation and a desire for healthy pragmatism, these two research projects emphasize the faculty’s interest expressed in the following paragraph drawn from The Institute for Architecture and Urban Studies (I.A.U.S) – founded by Peter Eisenman in 1967 (the Institute closed 1985), a school I attended between 1983-84:

“The Institute [for Architecture and Urban Studies] believes that there is a critical link between architecture as a humanist discipline and professional practice. In all of its activities, the Institute tries to relate its research and educational role to its involvement in practice and in this respect, it seeks to sustain both education and practice as a natural continuity.”

Open Plan brochure, I.A.U.S., p.8, 1977

While architecture and the *Education of an Architect* (title of the seminal 1985 Cooper Union publication), reflect both teaching and learning, a balanced approach to design issues will remain key to the rest of this year’s studio preoccupations. There is great need to speculate, and indeed there is great beauty in this activity; however, without grounding those ideals within the measures of our profession, any architectural gesture, regardless of its richness, will fail to provide a model of life that legitimizes the achievements and responsibilities of each new generation.

PROJECT 1:



Image 1: Google images

Issues of historic preservation (in their largest sense of the word) are more than ever an important topic for the built environment. Ironically, many of today’s star architects launched their careers with architecture centered around issues of renovation and adaptive re-use: Frank Gehry’s Rebecca’s restaurant (1985); Morphosis’ (Thom Mayne and Michael Rotondi) 72nd Street restaurant (1983), both located in Venice Beach, CA; Steven Holl Pace Gallery (1983), and Steven Holl with Vito Acconci’s Storefront for Art and Architecture (1993) in New York City, to name a few (Image 1, above).

For additional thoughts on questions of preservation, **please read** the following blogs. They should assist you with understanding how to work within an existing urban/rural fabric with stringent constraints:

1. <https://atelierdehahn.com/lessons-from-vernacular-architecture-casa-rezzonico-by-livio-vacchini-switzerland/>
2. <https://atelierdehahn.com/carlo-scarpa-and-detailing/>
3. <https://atelierdehahn.com/carlo-scarpas-gavina-showroom-in-bologna-italy/>
4. <https://atelierdehahn.com/carlo-scarpas-gipsoteca-in-possagno-italy/>
5. <https://atelierdehahn.com/architectural-education-a-question-of-preservation/>

These above projects demonstrate that issues of scale, functional constraint, and the establishment of an intellectual position between the old and the new deserve as much attention and ingenuity as those projects that set-in place something new. Given the growing interest in issues of sustainability, it seems appropriate that the idea of *the new* focuses on reinvesting within *the old* (renovation, restoration, rehabilitation, and adaptive re-use). As such, the *tradition* of tackling a renovation project within an urban context will be the focus of this semester’s first project.

Agnes and Roger Lüthi were impressed with your conceptual design of the Wall House in Kentucky, and despite that the building remains cold in the winter (incorrect specs for the heating system), the foundations are already cracking, the roof constantly leaks and the facades rotting because of the lack of appropriate insulation, they would like to offer you the opportunity to tackle the renovation

of their new urban loft in New York City, midtown. Their sons, Tristan and Vincent are attending university in the big apple and will be visiting occasionally, thus the need to think of the Lüthi's as almost empty nesters.

NOTE: Each student is to provide individually a design proposal. However, if students wish to work together, please let me know ASAP.

The Lüthi's prompt is self-evident: create within an existing building confine (apartment located on an upper of a Manhattan skyscraper) living quarters for the Lüthi family that encompasses the following functions (alphabetically and not sequentially!).

- Bathroom 1 –bathtub, shower, commode and two sinks (master)
- Bathroom 2 – bathtub, commode and one sink (guest room)
- Powder room –commode and sink (public)
- Bedroom 1 (master) with walk-in closet
- Bedroom 2 (guest) with built-in closet space
- Dining room/area
- Entrance foyer
- Kitchen
- There was much debate about having a second bedroom, but Roger won on this one by requesting that a possible third bedroom be dedicated to a library space that provides a place for TV and study/work area
- Living room
- Storage area(s)
- Washer and dryer area

It should be self evident, that for an architect what is at stake is not simply the appropriate location of functions within an existing space, but the creation of an idea – a model of life – for how this couple will live within your design. It is imperative that a strong formal and tectonic strategy is visible and that a clever and innovative interconnection of rooms (spaces) proposes a vision for a 21st century urban living.

For example, a **living room** is not simply a place to set a sofa and a couple of well-designed nesting tables. It is a place where social interaction unfolds and where the representational identity of the owners is typically showcased. A **kitchen** is not simply a place to cook. It was initially the place solely for cooks and servants before becoming a space utilized by the owner, and eventually a multifunctional room that may serve as a dedicated area within other room(s). A **foyer** is not simply an entrance. It is a zone that negotiates an appropriate transition/threshold/limit from public to the first semi-public areas.

In short, while functions are important, there always remains an unequivocal need to provide a thesis, a program for your design. Your apprenticeship in this matter–through last semester's projects (case study analysis and wall house)–should allow you to provide a thoughtful and inspirational program for your design strategy. The final presentation will require similar final presentation drawings of the highest quality (more digital than analog this time), along with suggested furnishings, all presented in a unified composition based on 24x36 panels.

SITE: New York City, Midtown



Image 2: view of the Luthi's apartment

For the purpose of the design project, the existing site—its precise location and existing actual floor plan will only be revealed later—after the completion of your design concept. What I can say at this moment is that the skyscraper exists, is designed by a famous architect, and the footprint of the apartment is real, with the caveat that the existing floor layout have been removed at this time, leaving you a clean slate to think creatively how you wish to organize the space.

The list of functions is identical to those in the existing apartment to the exception that the third bedroom is dedicated in our program brief to a library space. The shell of the apartment will be provided to you on **Friday, February 4**. On **Wednesday, February 16**, student will present their first conceptual draft and plan organization of the loft. This means that at which time you **MUST** have your ideas in place, which means a solid concept in terms of the overall organization of the loft based on ALL required functions.

These are some of the challenges offered in the project, but given your ideas, creativity and maturity, I hope to see many projects outperforming what was built with solutions that will be fascinating to discuss. Finally, your site is restricted in its volumetric dimension. This is both a constraint and richness for you, and no intervention outside the existing shell will be allowed, which includes removing and/or changing the existing window configurations or existing structural elements within the loft. There will be NO exceptions in expanding outside of the existing footprint and NO two-story intervention as the height of the ceiling is 10'-0". Please do not ask, you know my answer.

PROPOSED SCHEDULE:

Last semester, a single design project was offered after the analysis project. The intention was to have students be introduced to fundamental architectural themes (site, program, function, circulation, structure, light, construction and detailing to name a few while learning about architectural grammar, syntax and vocabulary). This was accomplished through a simple prompt that included a complex series of functions. This semester will be different.

One charette of one week to recap all of your fall skills (following the second-year competition), and two (2) projects that will run both six (6) weeks without counting Spring Break. Both are based on very rapid timetable in order to switch gear and get you to think rapidly and strategically. This will oblige all of you to accelerate the pace of the studio and require you to conceptualize ideas quickly, get a programmatic strategy in place (the big idea behind the project), find the stability of the project (functional, formal and tectonic), and refine its spatial qualities within the allotted time.

In addition, three (3) charettes will be introduced during Project 1:

- The first charette will focus on the actual design of the kitchen, where more refinement will be required from each of you, thus touching upon issues of interior design and ergonomics. Please find a digital planner on IKEA's web page that will assist you as a guide to create and refine your kitchen layout such as appropriate work triangle, work zones (cooking, washing and storage zones), layout (single-line, single-line with island, L-shaped, and parallel). (<https://kitchenplanner.ikea.com/GB/UI/Pages/VPUI.htm>). Project brief will be distributed.

- The second charette will be tailored in identifying cabinetwork as a spatial project and detail each of your chosen elements. Project brief will be distributed.
- The third charette will be to judiciously choose furniture for two (2) rooms, only one can be a bedroom. While your personal taste will be critical, you are designing for the Lüthi family! A brief description of who the Lüthi's are (create a narrative) is necessary to contextualize this exercise and the following one. This will be accompanied by proposals for art in the living room with a brief description of the basis of your choices. Project brief will be distributed.

Dates	Suggested tasks for the design of the renovation 01.31.2022 - 03.25.2022 IMPORTANT: Please consult semester schedule for other assignments and deadlines.
02.07.22 – 02.16.22	Project starts with research into the layout of apartment types and what functions and programs may inspire your design strategy. Provided studio literature (see below bibliography will be available in the studio). Think about what a model of life means in terms of this project. Work iteratively and diagrammatically at min. ¼=1'-0" scale (plan provided) by using bubble diagrams and adjacency matrix –primary and secondary adjacencies (space planning strategies) to clarify your parti as it relates to possible floor plan organizations and sectional intentions. Review on 02.16.
02.16.22– 02.18.22	Continue to refine idea
02.18.22- 02.25.22	Charette 2: Design of an IKEA kitchen. 1-week charette while continuing to refine the overall design. Presentation of kitchen charette room 304 (One 24x36 vertical panel). Review on 02.25.
02.28.22 – 03.25.22	Charette 3: Identification and detailing of cabinetwork. Due with final project 03.25.
03.14.22- 03.18.22	Charette 4: Identification of furniture and art. 1-week charette while continuing to refine the overall design. Presentation of furniture and art charette, room 304 (One 24x36 vertical panel). Review 03.18.
03.18.22- 03.25.22	Creation of presentation drawings (3-4 24x36 vertical panels)
03.25.21	Final review, with guest reviewers

MINIMUM REQUIRED STUDIO MATERIALS:

As a reminder, for an appropriate studio culture, each student must have the following materials (borrowing is no longer acceptable):

- Drafting board or white paper on desk with appropriate parallel bar or T square
- Computer
- Sketch paper (white or yellow –preferably large)
- Appropriate pencils or lead holders with various leads (2H, F, and HB)
- Pencil and lead sharpener
- Masking tape
- Set of color pencils and/or prismacolor/sharpiers
- Architectural scale
- 45 degree and 30/60-degree triangles
- Cutting mat (12x18 min) and appropriate tools to make models (X-Acto and Retractable Utility knives, blades, and glue)
- Sketch book (11x14)
- Measuring tape (25 foot)
- Anything else that will enhance your design process –watercolors, etc.

REQUIRED READINGS: for this project

Betsky, Aaron, Notes from New York: Is the Loft Our Future? Posted on August 02, 2019 in architectmagazine.com. https://www.architectmagazine.com/design/is-the-loft-our-future_o
Rybczynski, Witold. Home: A short History of an Idea. New York, Penguin Books, 1987.

**SUGGESTED READINGS: that will be available in the studio during the entire semester.
Henri's collection of books.**

Alpern, Andrew. New York's Fabulous Luxury Apartments. New York, Dover Publications, Inc., 1975.

Conran, Terence. The Essential House Book: Getting Back to Basics. New York, Crown Publishers, Inc., 1994.

Lynch, Geoffrey. Manhattan Classic: New York's Finest Prewar Apartments. New York, Princeton Architectural Press, 2014.

Nielson, Karla J., David A. Taylor. Interiors: An Introduction. New York, McGraw Hill, 2011.

Ojeda, Oscar, Riera. The New American Apartment: Innovations in Residential Design and Construction, 30 Case Studies. New York, Whitney Library of Design, 1997.

Ojeda, Oscar, Riera. The New American House 1: Innovations in Residential Design and Construction, 30 Case Studies. New York, Whitney Library of Design, 1995.

Ojeda, Oscar, Riera. The New American House 2: Innovations in Residential Design and Construction, 30 Case Studies. New York, Whitney Library of Design, 1997.

Riley, Terence. The Un-Private House. New York, The Museum of Modern Art, 1999.

Trulove, James, Grayson: Il Kim. The New American Cottage: Innovations in Small-Scale Residential Architecture. New York, Whitney Library of Design, 1999.

Trulove, James, Grayson: Il Kim. The New American House 3: Innovations in Residential Design and Construction, 30 Case Studies. New York, Whitney Library of Design, 2001.

Trulove, James, Grayson: Il Kim. The New American House 4: Innovations in Residential Design and Construction, 30 Case Studies. New York, Whitney Library of Design, 2003.