

Architecture Studio: 1st Year Spring

Spring 2012, CMU, Arch #48-105, M/W/F 1:30-4:20
Class Website: www.andrew.cmu.edu/course/48-105

Coordinator: Kai Gutschow
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Off. Hr: M/W/F 12:30-1:00pm & by appt. in MM302

(4/18/12)

Project 4: COURTYARD HOUSE - FINAL REQUIREMENTS

FINAL DUE DATE: Sun. Apr. 29, 10:00pm

- There will be **NO WORK ALLOWED** after the deadline. Out of fairness to your peers, anyone caught working later will risk **FAILURE**.
- Incomplete work (discretion of your instructor & coordinator) will **NOT** be allowed to pin-up, but may be reviewed later.
- In the final push, respect your peers & work environment, watch your fingers.

MODEL:

- All students must create a well-crafted, accurately-scaled physical model at 1/4"=1'-0".
- Models should be displayed as a pair on your Proj.1 "Stand"; if not possible, collaborate with your partner so your projects work as a coherent pair at 20" high.
- Every student must build their model on an identical 18" x24" model base (thickness and material TBA). Your house should be built alongside one edge of the base so that it will link up to your partner's model to create a pair. You will each be left with approx. 2.5" of side yard, and should leave a 2.5" back yard.
- Be sure all elements are modeled to scale: accurate thickness for walls, roofs, etc.
- Your model should come apart to show all interior spaces and reveal experiences. Work with your instructor to explore the best methods based on your design.
- Your model should include context (trees, fences, etc.) and scale figures / cars.
- The existing 8ft high, 12" thick brown brick wall should be made out of chipboard. Any other parts of your house that are made out of this same brown brick should also be made out of the same chipboard.
- All other opaque materials should be modeled in white. It is recommended that you use white museum board and/or foam core for the walls, and white-painted dowels and dimensional basswood for "stick" elements such as columns, beams, mullions, etc.
- Use acrylic to model all windows and transparent or translucent elements.
- Your model should show a high degree of finish: there should be no glue showing, no foam visible, and minimum "end-grain" for cardboard or wood revealed.

DRAWINGS: (Plot files or hand drawings **DUE Thu. Apr. 26, 10pm**)

Each student must create at a MINIMUM the following drawings:

- A complete set of floor plans of your entire house at 1/4" = 1'-0" scale. Your ground floor plan must contain the site between the street and the front wall, including all trees and landscape elements. Upper floor plans (if you have any) can be "partial plans," but it should be clear how they relate to the floor below.
- At least two sections at 1/4", sliced in opposing directions through your house, cutting the most important spaces, likely including the courtyards. The drawings should contain major architectural elements and built-in furnishings in the background, scale figures, and trees or other landscape features in the courtyard and background.
- At least three more drawings of your choice to reveal important experiential aspects of your project. These can be additional sections, unfolded sections, perspectives, vignettes, details, walls sections, paraline drawings, exploded drawings, reflected ceiling plans, diagrams, process work, relief models, etc. YOU must pick the type of drawings and visualizations that will best represent your ideas. The goal is for you to present YOUR Courtyard House design and the transitions from inside to outside in the best, and most powerful way through a minimum number of drawings.
- Plans and sections should be drafted in Autocad; all other drawings can be in any appropriate medium (check with instructor). Drawings must be **CLEAR, BOLD**, read well from 20ft, and distinguish between line weights!
- The precise dimensions and layout of the drawings will be determined later.
- All drawings must fit on a single vertically oriented panel.
- Collaborate with your partner to orchestrate a coherent presentation of your work!
- All work should be thought-fully crafted using effective techniques to reinforce the content and communicate the *meaning, materiality, and experience* of your house and transitions from inside to outside without needing much verbal introduction.

