

Term Project

Each student will develop, illustrate, and present a complete architecture proposal using Revit as their principal modelling and illustration tool. The minimum presentation should consist of 4 sheets of

ARCH-D size plots in PDF, which the student will present during the last class online. Note that these 4 sheets must contain output from Revit pertaining to and illustrating the design proposal (which means that that any background photos or visuals cannot count toward the required number of slides, although students are encouraged to add such information to enhance their presentation). You may begin this process as early as the first week of this class because you might NOT have enough time to complete this process during this semester.

A) 1st sheet and 2nd sheet will be all of your 2D drawings including large sections and building details. B) 3rd sheet and 4th sheet will be all of your 3D drawings including all of your renderings.

Term Project Proposal

The name of your term project will be sent to you. If you do not know your project's house name by the second week, please email me. Once you have the house name, immediately research the house to obtain floor plans, sections, and elevations. Your proposal should include a mission statement, photographs of the house, and the floor plans, sections, or elevations.

You should start sketching or drafting your alteration plan in Rhino or AutoCAD. If your house is only one level, you need to design a second level. If your house has two or more levels, you need to alter one of the major elements of the house. You may model an existing or historic work of architecture for your final project with the multi-level house, but existing works should only serve as a starting point for exploration or critical analysis of a design principle. As you continue to explore this historic project, focus on a major component of your proposal, such as the roof, structural components, or a more detailed aspect. You need to submit a detailed document explaining how you plan to modify your chosen existing work.

Due to the limited time in summer, I will choose a house for you and forward the details shortly:

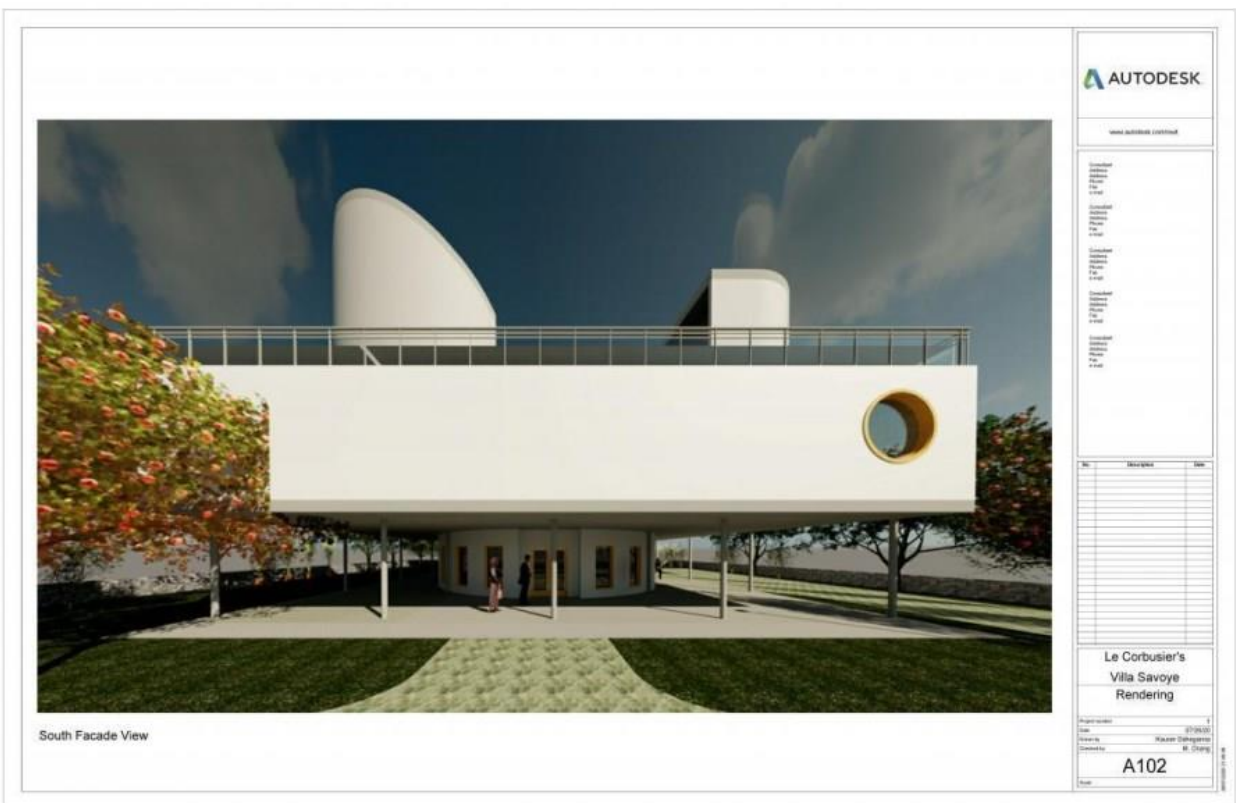
The house will be less than 3 stories high and designed by a notable architect. It must not be a bridge, structure, or machine without a recognized bathroom or kitchen. Da Vinci's flying machine or similar is not allowed.

The house or building must have at least one bathroom, one large room, and a stair leading to the second story. Your chosen existing project can be residential or commercial.

You may develop your own details, as you will be creating something entirely different from the original design. Provide one large section and a few details of your project.

Current design studio work or any previously developed design studio work is not allowed. Many reported sharing previously developed studio projects in Revit. You are not learning if you use someone else's Revit work.

Under no circumstances may you choose another final project at the end of the semester without my consent. I will refuse to accept your final project if it is found to be different from the one I assigned.

[illegible]



Grading:

See the Course Grading document for a description of the grading criteria for final projects.

Deliverables:

Each student must present a proposal for their final project according to the deadline. This proposal must consist of at least a paragraph of text and at least five images (existing similar designs, site photos, critical drawings done in Revit, etc.) that together describe what the student plans to do for the second half of the class. A presentation is an acceptable format for this proposal. A student may be required to modify his or her proposal if the instructor considers it too simplistic or too complex.

Part One submitted starting July 29th.

WHAT YOU NEED TO DO IN THE FIRST PART OF YOUR FINAL PROJECT:

1. Your final layout for your presentation boards, if you plan to present two minimum two sheets ARCH-D size prints in PDF. I want to see your layouts. One layout is for all of your 2D drawing and other is your 3D renderings. Of course they don't yet have to be in final forms.

2. Your 2D drawings should be in final format nearly 100%. I would say something like 95% in completion.
3. Your 3D renderings should show the basic exteriors and interiors. You can work on it more in the final presentation.
4. I will set up a Zoom meeting with you, if there is a problem between now and your final presentation day. You may set up a meeting with me, even I don't see any problem.

Part Two must be submitted before August 5th without any penalty. August 6th before 5 PM is with a steep penalty.

Minimum four sheets ARCH-D size prints in PDF.

1. One sheet about all of your floor plans, elevations, 1 or 2 sections, and another sheet of a large section with few details, and a site plan.
2. One sheet about all of your exterior renderings, and another sheet of all of your interior renderings.

Late Final Projects will not be accepted barring medical emergencies. You are always encouraged to submit your final project early. You won't receive a grade if you fail to submit your final project.

3. Two walk-through animation videos.

A) Create an exterior walkthrough avi of the walkway to your building. Set the day to June 1st and the time at 8:30pm. Adjust the exposure after the rendering is done.

B) Create a walkthrough avi of one of your rendered scenes. You can create an avi rendering of a Hidden Line rendering or Shaded rendering, and it doesn't have to be photorealistic.

Student must present this proposal for their final project, and final presentation with full details in ARCH-D size prints in PDF will be submitted online at the end of semester on the last day. I will make an announcement to your Citymail. At the deadline, students must submit to all files Google share with me used in your final project presentation. Final project will be considered incomplete if this "hard copy" with original Revit files are not submitted by the end of the semester.

The Last Minute Final Project Submission Warning!!!

The last day to submit your final project part 2 is August 5 of 2024 without any penalty. The last day to submit is August 6th before 5 PM with a heavy penalty. This is NOT an ideal day to

submit your final project. This is a warning for anyone who "struggles" till the last minute to submit your final project part2. Bear the consequences, if you submit your final project in the last minute.

1. 20 points deduction on your final project part2 submission of the last day to submit your final project.
2. You might fail this class due to incomplete submission. You forget to submit one of the required sheets.
3. You accidentally "lock" your folder without releasing your permission. Your submission will be graded ZERO.
4. You miss one of the critical components for your final project. You will receive a reduced grade. 5. Something happens with the web server that prevents you to submit. Your submission "might" be graded ZERO without any proof.
6. Your computer crashes. Your submission will be graded ZERO.

I will recommend everyone to submit earlier, so there will be time for me to check at your submission. Waiting till the last moment often will often hurt your grade.

Late Final Projects will not be accepted barring from medical emergencies. You are always encouraged to submit your final project early.

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