

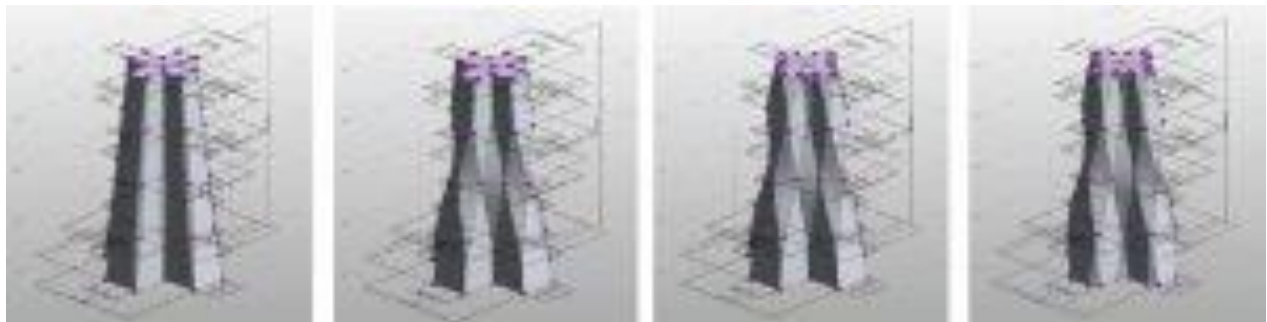
Foreword

To be submitted at the end of the semester (please check the submission day).

We are very near the finished line! You have enough skills to create something wonderful now. Your graph doesn't have to be astronomically complex. You don't even need to use Python, but you need to be creative. You can use a very simple method to achieve your desired form, or it can be something wonderful and complex. The final assignment is something for you to practice what you learn from this course. I don't need to see a stair system, bathroom, or furniture. You are sculpting a form of a building, tower, or terminal. Be imaginative!

Scope

Each student will develop, illustrate, and present a complete architecture proposal using Dynamo as their principal modeling and illustration tool. The minimum presentation should consist of one or two sheet(s) of ARCH-D size plots in PDF, which the student will present during the last class online. Note that these 1 to 2 sheets must contain output from Revit's Dynamo pertaining to and illustrating the design proposal (which means 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).



Students will not be permitted to display their Revit BIM models “live” or any podcast during their presentation (it's usually a bad idea to do that anytime), but they will be expected to present their project using these 1 to 2 sheets still images rendered from Revit with construction document and details. Students are also encouraged to develop 1/2” to a foot details of the project for the final using Revit and any other tools they care to use for additional credit. Please provide images of your Dynamo script to explain your creative process.

Still images derived from Revit Dynamo must be assembled into a single logical document for presentation. It is not acceptable to present a set of visually unlinked still images. Acceptable Subjects for Final Assignment:

1. 40 stories or plus tower. Think tall and big. There is no budget constrain here. You are designing the outer skin, and no interior detail is required.
2. Big bus, airport, or train terminal. Think big and long. There is no budget constrain here. You are designing the outer skin, and no interior detail is required.
3. A big bridge from one to the other., something like Brooklyn bridge. Think big and long. There is no budget constrain here. You are designing the outer skin, and no interior detail is required.

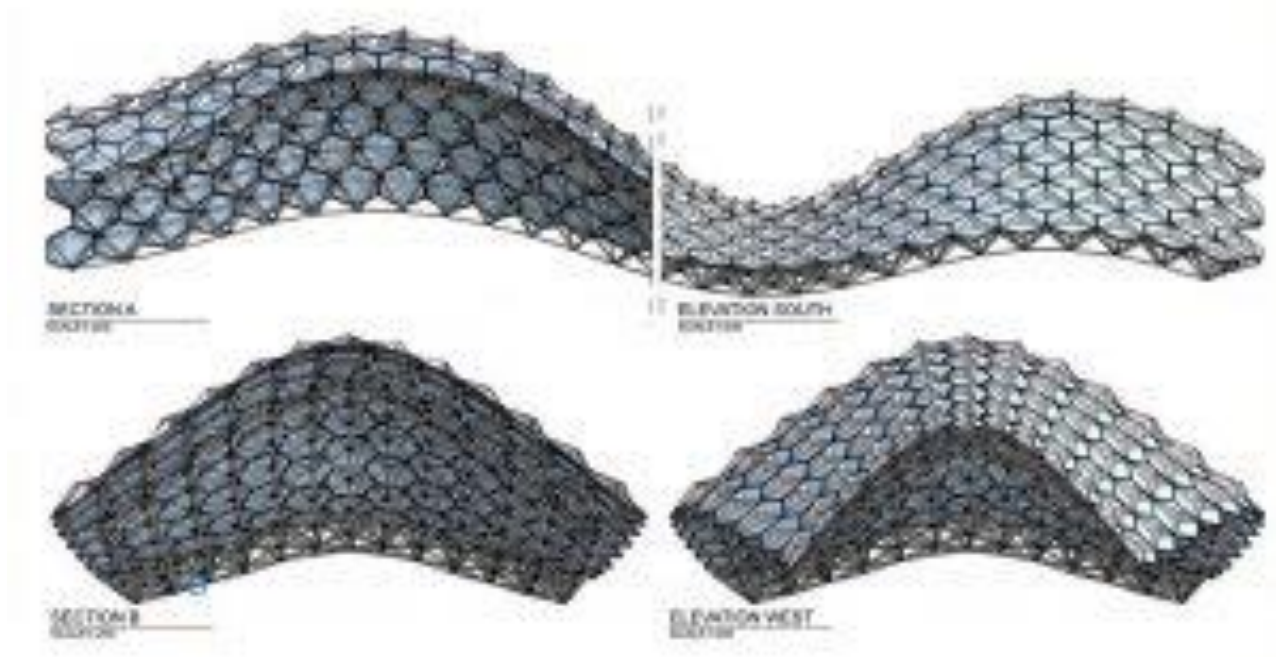
You are only designed the form of your mega structure. You are NOT designed the whole building. This is NOT a design studio, but rather as a dynamo experimental lab. In this assignment, we are not considered the feasibility, structural system, or the environmental impact.

Sites are available anywhere as you wish. Please include a site for your final assignment.

Examples:

Please see more examples online.





Grading:

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

I will be looking at few criteria for your Dynamo's final assignment:

1. Structure of your Dynamo graph. How fast and efficient when you run it?
2. Readability- How easy to read your graph?
3. Efficiency- How much code blocks do you use in your graph, and how efficient your graph runs?
4. Execution- Any warning or error in your graph?
5. Creativity- How creative you use your nodes?
6. Presentation- Show us what you have in your PDF.
7. Beauty and Grace- How beautiful your building is?

Deliverable:

Student must presents his/her final project at the end of the semester, 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. At the deadline, students must submit to all files Google share with me used in their final project presentation. Final assignment will be considered incomplete if this “hard copy” with original Revit files and Dynamo files are not submitted by the end of the semester. *Late Final Projects will not be accepted barring medical emergencies. You are always encouraged to submit your final project early.*

Be aware of the last submission penalty 20 pts deduction, will be applied if you submit on the last day!