BPA FINAL PROJECT
Proposal Due immediately after the first week!
Each student will develop, illustrate, and present a complete architecture proposal (previous studio project or a notable building from an architect) using Revit's Insight as their principal Building Performance Analysis tool. The minimum presentation should consist of 2 sheets of ARCH-D size plots in PDF, which the student will submit them online. Note that these 2 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 the final week.

Students will not be permitted to display their Revit BIM models "live" during their presentation (it's usually a bad idea to do that anytime), but they will be expected to present their project using these 2 sheets still images using Insight in Revit to produce detail analysis. Comments on each project will be available a week after the final submission day. Details can be found on our website.

Still analytical images derived from Revit must be assembled into a single logical document for presentation. It is not acceptable to present a set of visually unlinked still images. Analysis should be produced in the following areas:

- Building Loads
- Climate & Weather Analysis
- Solar Measurements & Strategies
- Wind & Airflow Strategies
- Daylighting Strategies & Analysis
- Whole Building Energy Analysis

Acceptable Subjects for Final Project:
Three (3) samples for you to choose. Since our emphasis is NOT about Revit, but learning to produce Building Performance Analysis. Complete Revit models are provided for you to process analyses.
A. Boston Laker Residence
B. Technical High School sample project
C. Utica NY House

Samples of the final project are provided in your online website. Be sure to check them out.
Students may also select their own topics or subjects for the final project, with a few exceptions:

1. Previous Design Studio Work- you may choose to use a previous design studio work, only if the project is already produced in Revit or you happen to take a Revit class the same time.
2. Current Design Studio Work- I am discouraged you to do your current studio work. Only if you insist on doing your current studio work, because this is your last semester. You may choose to use a current design studio work, only if the project is NOT yet produced in Revit. No collaboration project is allowed!!! You need written approval from your partner(s), and this email needs to forward to me for approval.
3. Student may NOT only model an existing or historic work of architecture for their final project. Existing works may only be used as a starting point for some exploration or critical analysis of a design principle. Continuing explore this historic project, focus should be on a major component of your proposal such as roof, structural components, or a more detailed component of your proposal.
4. Project from your work- you are encouraged to bring a real project that was already produced

in Revit, but this project needs my approval. I may reject your proposal based on few factors that I feel may conflict your development.

5. Under no circumstance, you may choose another final project at the end of the semester without my consent. I will REFUSE to accept your final project, if it found to be a different project than your earlier submission.

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 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.

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 and my TAs (if I have one) used in their final project presentation. Final projects will be considered incomplete if this "hard copy" with original Revit files are not submitted by the end of the semester. Be aware of the penalty, if submit on the last day You may choose to use a layout program of your

Late Final Projects will not be accepted barring medical emergencies. You are always encouraged to submit your final project early. There will be penalty to submit you final on the last day.