CE107 Final Term Project - 2012

- Prepare a hand sketch of the preliminary design. During the last week, turn in a more refined version. This hand drawing will be graded as a separate CE107 assignment. The hand sketch should include tentative dimensions for layouts of the ground level and upper level; it is more efficient to work with Revit when the dimensions are known.
- Time frame: The next two classes will consist of shorter lectures and the rest is free time to construct your model. The short lectures will bring to you modeling ideas. After the short lecture and a simple daily assignment, the students may leave the class to work independently. However, it was proven risky in previous semesters that procrastination will lead to sleepless nights before the last available presentation date. With reasonable skill, it is anticipated that the term project could be completed within two weeks.
- Students are encouraged to share ideas from the instructor’s console. This will be documented as a separate CE107 assignment grade. Each idea can be a simple help to others, e.g., downloading a fancy dinette set, downloading a luxury vehicle, construction of a fancy roof, planning of a spa area, design of an elaborate staircase, landscaping, land mass modeling, etc.
- Basic requirements: Minimum 3 bedrooms and 2 bathrooms. Each bedroom must have closet space. It is recommended that the master bedroom has a walk-in closet. The ground level must have three doors: the entrance, a door for the backyard, and a door to the garage (if attached garage).
- Absolute requirement: Must be a two-level home with an interior staircase.
- Recommended: 4,000 square feet and above.
- Requirement: Must have a kitchen or an area assigned to be a functional kitchen.
- The above requirement could be waived if a student could explain the new concept and convince the audience. The final grade of this project will determined by classmates and two instructors, all grades are equally weighted. The top 3 scores and the bottom 3 scores will be deleted and the remaining scores averaged.
Term Project Presentation Guidelines and Suggestions

- Goal is to impress the audience.
- To start, give pertinent information related to the design, e.g., location of lot (tropic, large city, rural area, beach front, etc), approximate size of lot, livable space of the house (square footage).
- Why the house appeal to you, e.g., cheap, expensive, functional, luxurious, away from the city, close to the city, etc. Mention special features, if any. For example, beach front, bowling alley, workout room, exceptionally large walk-in closet, fancy swimming pool, good garden, fountains.
- Show floor plan of lower level and upper level and describe the functionality. Show there are available bathrooms or shared bathrooms for the rooms.
- Show garage area, if not explain why there isn’t a garage.
- Suggestion: Do three or four “striking” rendering of your favorite area of the house, e.g., staircases, store front window view of outside, outstanding kitchen, home theater, etc.
- Suggestion: Furnish one room well with good lighting (sunlight or interior artificial lighting) and show that. No need to furnish all rooms well.
- Suggestion: A nice kitchen or a living room usually draws a lot of praise.