

Architecture Studio: 2nd Year Fall

Fall 2011, CMU, Arch #48-200, M/W/F 1:30-4:20
Class Website: www.andrew.cmu.edu/course/48-200

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

(9/2/11)

PROJECT 2 – DRAWING SHELTER

PROJECT: Your charge is to use Autodesk's REVIT software to individually document your group's Fence Shelter, and to represent and reveal potential in the shelters not possible at 1:1 according to the sequence of assignments that will follow.

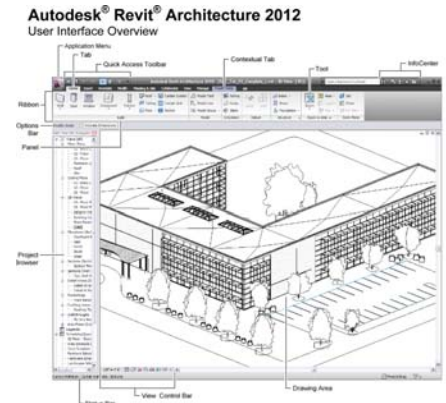
ASSIGNMENT 2A: (for Mon. Sept. 12, 9:00am)

1) REGISTER

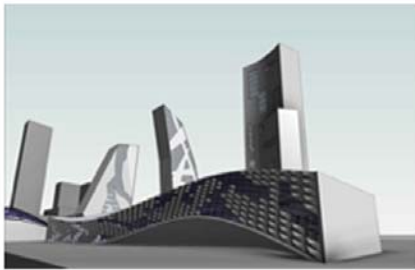
- In preparation for intensive Revit workshops on Sept. 12 & 14 to be led by an Autodesk education expert, students should register with Autodesk at www.autodesk.com/edcommunity using your "cmu.edu" email address.
- As architectural students you can download Revit Architecture 2012 from Autodesk for free after you register. Revit runs best on a pc. Autodesk suggests that it can be run on Parallels on a Mac but it is very frustrating and slow. All the computers in the School of Architecture are loaded with Revit Architecture 2012.

2) TUTORIALS





- Each student is required to do 9 short guided Revit tutorials titled "Professional Mass Modeling" before the workshops on Sept 12-14th. These video instructions and datasets can be found and downloaded at: http://students.autodesk.com/?nd=revit2011_english. Go to the bottom of the page and you will find:



Professional Mass Modeling - Rendering Tutorial



In this tutorial you will learn important methods for sketching easy and complicated free forms with Autodesk Revit Architecture. We will also cover architecture visualization in this tutorial, which can be used to effectively present architectural drafts.

-  [View the handout](#)
-  [Download the datasets](#)
-  [Watch the tutorial videos on YouTube](#)
-  [Download the complete tutorial file](#)

- Please view the pdf handout, download the datasets, watch the tutorial videos on YouTube, and download the complete tutorial file. Then do the first 9 tutorials.

- All your completed files should be submitted by 9.00am Mon. 9/12. Each file titled LASTNAME_Revit, into a folder entitled "Revit Tutorial" within the 48-200 folder on the archpcserver.'

3. VIDEOS

There are a number of videos online that will help give an idea of both the wider context and detailed functionality of the Revit platform.

- "Small Project workflow" 65mins

This is a set of extremely chatty demo videos, helping with basic navigation.

<http://www.infiniteskills.com/training/learning-revit-architecture-2012.html>

- "The Difference between CAD and BIM" 10mins
Simple storyline but makes a clear point.

<http://vimeo.com/4415128>

* "Principals explained", each in about 6minutes.
Autodesk University teacher David Fano opens up Revit to more imaginative uses.

<http://designreform.net/category/tutorials/revit-tutorials/>

* "BIM process" 29mins

This is an advertisement with a rather patronizing tone.

<http://www.aec-projects.com/tips-and-tricks/rac/bim-basics/>

4. BLOGS

Enthusiasts share their knowledge and components.

There are many blogs out there but here are four examples;

<http://buildz.blogspot.com/>

<http://designreform.net/>

<http://bimtroublemaker.blogspot.com>

<http://revitco>

mponents.bl

ogspot.com/

