

48-749 Parametric Modeling with BIM

Fall Semester • 6-12 units • R 01:30-04:20pm

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Parametric Modeling with BIM Assignment 4

Ideas and/or deciding project (11/05/2009)

Preliminary review (11/19/2009)

Final Project due (12/10/2009)

This project should use the Revit API, and the .Net Framework using C# for determining something of your interest that cannot be done directly in Revit at present.

Choose a Revit Project, which can be used for the purpose of your project idea (created for this class or other). Any project chosen from outside the class should have some basic description, for example, where it is located, what type of building it is, real or design project.

Sample files in the 'Revit2010 SDK Update Release2' Folder is a good place to start looking at examples and can be used as the base for implementing something you are interested in. These files are mainly of two categories:

1. Information retrieval and analysis
2. Automatic component generation

Requirements for Idea: (20%)

Submit your Revit model file and a paragraph explaining what your project is about. Include the objects in Revit that you plan to query or generate, also the results sought after implementing the application.

Requirements for Preliminary review: (30%)

Initial progress in meeting the goals of your project

Revit Model

C# project

Final Project requirements: (50%)

Revit Model

C# project

.DLL file

Brief PowerPoint presentation