



This course provides an introduction to the use of BIM tools for creating sustainable and ultimately carbon neutral designs. The focus of the class will be on creating quick models for energy and lighting analysis utilizing Revit, Green Building Studio, and 3ds Max Design software

Prerequisites: Students must have a solid proficiency with Windows XP. Some knowledge of Revit is strongly encouraged as we will be utilizing Revit to create our BIM models for analysis.

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Course Objectives

The primary objective of this course is to teach students how to combine BIM and various analysis tools to create collaborative and sustainable designs throughout the entire building lifecycle. Students will learn easy ways to create quick study models, integrate LEED tracking and lighting simulations into their preliminary designs.

After completing this course, students will be able to:

Create quick-study models for energy and lighting analysis, review alternative lighting, energy, and site schemes for proposed designs.

Build LEED tracking points into their model for up-to-date LEED scheduling and review.

Who Should Attend

Principals, Project Managers, Project Architects, Designers and anyone interested in leveraging BIM tools to create better, more sustainable, and ultimately carbon neutral designs.

Course Outline

Create Simple Analysis Models in Revit

Create LEED Tracking Parameters

Install and Set Up the Green Building Studio Client

Utilize the Green Building Studio Data for Energy Analysis

Understand the Various Reports and Tools Available Through Green Building Studio

Open and Import Revit Models into 3ds Max Design for Lighting Analysis