Revit / Vasari Conceptual Design Workshop - PDX & EUG

This hands-on workshop introduces basic architectural modeling and energy analysis operations for conceptual design. Students will be able to try modeling interfaces, run energy, solar and wind studies, and present a building design.

Instructor: Jim Cowan, Autodesk Corporation

PORTLAND: Tues 1/3 - Fri 1/6, 2012: 8:30am-12:30pm instruction in Skidmore lab + pm worktime location tba
EUGENE: Fri 1/13: 5:15-7:00pm, Sat 1/14 + Sun 1/15, 2012: 9am-12:00am, 1:00-4:00pm in 283M LA
Course Fee: $80.00 (fee reduction supported by Autodesk, UO Academic Extension and UO Dept of Architecture)
Enrollment: Limited to 20 students

Vasari® 2.1 - Analyze your mass model in context

Vasari® is a sub-set of Revit Architecture 2012, offering a simpler interface and the chance to create mass models of any form (volumes and surface). Mass models are used for energy analysis or for conversion to finished building components. Vasari 2.1 also contains analysis tools for solar studies (shadows), solar radiation and wind tunnel analysis based on climate. The class will cover techniques for creation of mass models and application of the analysis tools to create a whole building energy analysis on a site of your choosing, exploration of wind patterns and optimum locations for photovoltaic cells.

Revit Architecture 2012 - Design a virtual building

Revit® Architecture lets you create a finished virtual building with all building components – walls, floors, doors, windows, stairs, roofs etc. The workshop covers how to create a building that is parametric. When a grid-line is moved the building updates and maintains relationships that you built into the model. From the model (a single database) we create sections, elevations and renderings. “Flexing” the building results in an automatic update of all the documentation views.

Autodesk Showcase - A real-time rendered, virtual environment

Autodesk® Showcase® is a real-time rendering, immersive environment where you can see the building model in the context of a site. You will import the Revit Model and assign an environment, override some materials and create options for materials and camera shots such as a “walk around” or a “zoom-to”. Camera shots will be used to create a storyboard combination. Showcase is ideal for interactive presentations, where you want to explain your design and display options for materials, lighting and layout.

Jim Cowan is an Autodesk® AEC Solutions specialist. He works with educators, primarily using Autodesk® Revit® Architecture, Ecotect® Analysis, Navisworks®, Showcase® and 3ds Max® Design. Prior to Autodesk, he worked as an architect and landscape architect, a CAD/GIS manager, and consultant. Jim’s main role is providing thought leadership, curriculum development, and on-site BIM training and support to faculty and students at major universities. He has taught for many years, producing traditional content in the form of AOTC books, and media such as interactive training movies. He covers workflow topics in multiple products, explains new product features, and documents interoperability. Jim is a Revit Architecture Certified Professional and an Autodesk Certified Instructor (ACI).