digital futures

Workshop Series
Spring 2014

Workshop 01:
hello, 3D Printing

Date: Saturday Feb 8th, 2014
Time: 2pm-4pm
Location: Pratt - HHS 111

Software:
Rhino 5.0 + Slic3r + Makerware

This workshop will introduce participants to the fundamentals of 3D Printing, explaining the process and preparation needed to go from digital 3D model to physical 3D printed object. We will cover history, information, options available, and best practices for modeling, preparation and output.

Workshop 02:
Parametric Principles

Date: Saturday Feb 22nd, 2014
Time: 2pm-4pm
Location: Pratt - HHS 111

Software:
Rhino 5.0 + Grasshopper

This workshop will explore advanced fundamental concepts of parametric thinking within Grasshopper. Participants will work through examples covering: effectively harnessing data structures (lists + trees), workflows in file modularity + organization, best practices for collaborating + sharing grasshopper files, and surveying computational geometries to implement/manage advanced data relationships.

Workshop 03:
CNC Milling

Date: Saturday Mar 8th, 2014
Time: 2pm-4pm
Location: Pratt - HHS 111

Software:
Rhino 5.0 + RhinoCAM

This workshop will introduce participants to the fundamentals of CNC Milling and subtractive fabrication in relationship to architectural model making. Preparation and best-practices will be reviewed to help everyone better understand the process for getting a 3D model ready for fabrication within our CNC Milling Shop.

Workshop 04:
Rendering Workflows

Date: Saturday Mar29th, 2014
Time: 2pm-4pm
Location: Pratt - HHS 111

Software:
Rhino 5.0 + Maxwell + Photoshop

This workshop will focus on the procedures and workflows within the production of architectural images used to convey the ideas, concepts, and form of the project. Workflow will consist of Rhino> Maxwell> Photoshop and will briefly cover rendering setup, lighting and texture mapping while focusing on Rendering output, management of assets and post-processing.

Workshop 05:
Ecotect Analysis

Date: Saturday Apr 12th, 2014
Time: 2pm-4pm
Location: Pratt - HHS 111

Software:
Rhino 5.0 + Ecotect

This workshop will focus on using Ecotect software to visualize environmental analysis data. Participants will run simulations that will illustrate how optimally their projects perform within a specific location on earth through the use of solar radiation analysis. Emphasis will be placed on programatic and environmental performance, resulting in responsive/ intelligent geometry and building envelopes.

Digital Futures Workshop Series

is brought to you by:

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Workshops are open to all Pratt Students and Faculty

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