ARCH 4/510 Winter 2024
Building Info Model Revit: PLAYING WITH FORM
CRN 20488/20558 - Tuesday Thursday 5:00-6:50pm in 112 Willamette Hall

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BIM - Building Information Modeling - represents a structural shift in the way architects and designers represent a building. Revit represents a building as integrated systems of parametric information. Traditional representational forms (plan, section, elevation) can then be extracted from those systems, along with robust reports on code compliance, sustainability, assembly, performance, and occupancy; it also provides a framework for management guidance throughout the building lifecycle. Revit is one of the leading industry tools for BIM.

However, this powerful tool can also be used in creative ways to manipulate and iterate conceptual investigations of shape and form, ideal for the conceptual and schematic stage of architectural design.

If the creation and management of these complex structures in Revit is imperative to an architect’s professional development, it is equally imperative that the designer and architect be fluent in Revit’s capacity for expressing the diverse language of form. This course will focus on conceptual and schematic design for Revit, with an emphasis on visual programming with Dynamo, integrating ChatGPT into BIM workflows, and creating compelling conceptual graphics using Lumion/Enscape.