Objective:
Building Information Modeling (BIM) is an intelligent 3D model-based process that provides professionals of the built environment with tools to more efficiently plan, design, construct, and manage buildings and infrastructure. Better project coordination and collaboration, efficient workflows, 3D visualizations, and resulting improved project outcomes are just some of the benefits of using BIM processes. BIM can also help maintain and restore buildings and infrastructure already in use. It has further potential as a tool for preservation by promoting the consistent inheritance of documentation and providing a living model of cultural values to support better stewardship of the past.

Participants will explore the capabilities of BIM modeling by completing several in class exercises with the instructor, and apply their knowledge and skill toward developing a BIM project outside of class on their own.

Content:
This course provides an introduction to Building Information Modeling (BIM) software using Autodesk Revit. Previous experience with CAD or 3D modeling software is not required for this course.

Evaluation:
50% class exercises/attendance
50% final project