



Do you want to explore preservation architects' workflows from the field to 3D digital?

BUILT HERITAGE DOCUMENTATION I

DCP 6714C

3 Credits

Fall 2021

Instructor:
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Wednesdays
Period 3-5
(9:35 am – 12:35 pm)
ARCH 213

Existing and historic structures are increasingly used as a sustainable approach. At the same time, many historic properties are being threatened by natural and human-made disasters and need to be recorded before the loss. Documentation is a product and process required by nearly every historic preservation and adaptive-use project. Documentation involves morphological, material, and temporal understanding and metrical, graphical, and narrative recording of the existing contexts. The class will examine a historic property in St. Augustine, Florida.

This course will introduce the 3D laser scanning technology and focus on using data from it, which simulates a common practice where architects and preservation specialists hire a surveyor and receive digital data (Laser-scan survey technique training is offered in Spring, Built Heritage Documentation II.). Students will analyze the project building using its full-scale, color 3D model (point cloud) and integrate findings into the workflows.

Students can seek different course objectives based on their interests and academic backgrounds. One group will focus on CAD training and architectural drawing production, while the other will concentrate on restoration and adaptive-use design workflows using the 3D data and various software. Both groups will conduct archival research and field condition assessment. This course will require several (at least two) field trips, active participation in discussions, and deliverables production.