

Photogrammetry Workshop Syllabus

Program Overview

This workshop provides training in the use of photogrammetry for archaeological documentation. Participants will capture and process data from headstones, monuments, and artifacts, using Old Cahawba's New Cemetery and Research Room as field and lab sites.

Learning Objectives

- Learn photogrammetry fundamentals for cultural heritage documentation.
- Gain hands-on experience in photography and data capture.
- Develop skills in processing datasets into 3D models using Agisoft Metashape.
- Understand ethical considerations in digital preservation.
- Create and present a photogrammetric project report.

Schedule

Session 1: May 25 – 29, 2026

Session 2: June 29 – July 3, 2026

Max participants 6 students. 3:1 student:instructor ratio.

Photogrammetry Workshop Tentative Schedule

Day	Morning	Afternoon
Monday	Lecture 1: Introduction to Photogrammetry, Lecture 2: Capturing the Past: Best Practices for Field Photography of Monuments and Artifacts	Lecture 3: From Photos to 3D Models: Processing Workflows with Agisoft Metashape, Tutorial 1: Agisoft Metashape
Tuesday	Lab: Artifact Photogrammetry Data Collection	Lab: Artifact Photogrammetry Data Processing
Wednesday	Field: Monumental Photogrammetry Data Collection	Lab: Monumental Photogrammetry Data Processing
Thursday	Lecture 4: Ethics and Challenges in Digital Heritage Documentation, Lecture 5: Interpreting and Sharing 3D Data: Outreach, Research, and Preservation	Lab: Finish Data Processing, Lab: Data Upload and Organization

Friday

Tutorial 2: 3D Models Data
Presentation, Lab: work on presentation

Lab: Finish presentation, Practicum:
Presentation

Logistics:

- \$500 per one week session – covers instruction, most tools and equipment, and housing at Dalwhinnie Fields. \$125 additional for the optional food plan (continental breakfast, sack lunch, and home-cooked dinner, Monday-Friday) for the one week session.