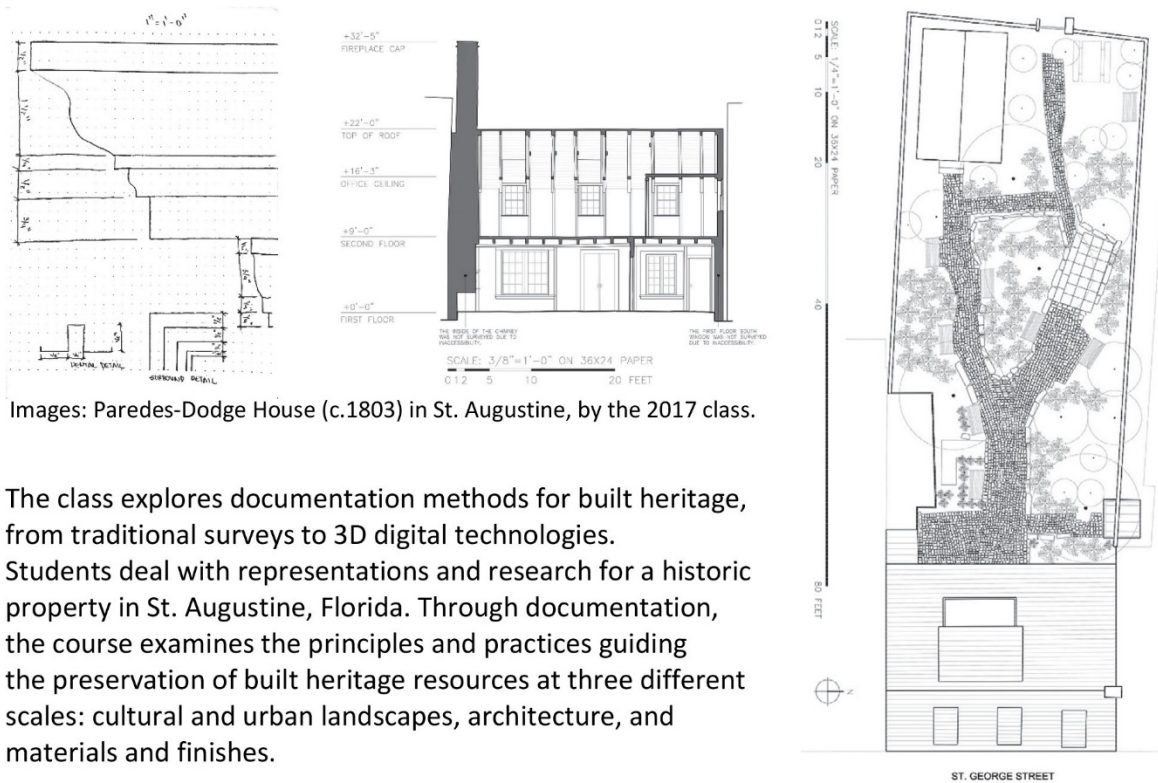


DCP6714 - HERITAGE RESOURCES DOCUMENTATION

FALL 2018 | RNK 0230 | WEDNESDAYS, PERIOD 4 - 6 (10:40 AM – 1:40 PM)

INSTRUCTORS: MORRIS HYLTON III (email: mhylton@dcp.ufl.edu) & SUJIN KIM



Images: Paredes-Dodge House (c.1803) in St. Augustine, by the 2017 class.

The class explores documentation methods for built heritage, from traditional surveys to 3D digital technologies. Students deal with representations and research for a historic property in St. Augustine, Florida. Through documentation, the course examines the principles and practices guiding the preservation of built heritage resources at three different scales: cultural and urban landscapes, architecture, and materials and finishes.

Course Details

Course Number: DCP 6714
Course Title: Heritage Resources Documentation
Course credits: 3 graduate-credit hours
Meeting Day/Time: Wednesdays, Period 4 – 6 (10:40 AM – 1:40 PM)
Meeting Location: RNK 0230
Instructor: Morris Hylton III mhylton@dcp.ufl.edu
Sujin Kim, Supervised Teaching Instructor shyhiphop@ufl.edu
Office Hours: By appointment

Course Description:

The class explores documentation methods for built heritage, from traditional surveys to 3D digital technologies. Students deal with representations and research for a historic property in St. Augustine, Florida. Through documentation, the course examines the principles and practices guiding the preservation of built heritage resources at three different scales: cultural and urban landscapes, architecture, and materials and finishes.

Course Objectives

The participants will gain working skills in the following area of historic preservation practice:

- Understand the reasons for documenting built heritage resources
- Identify and examine various documentation methods for recording the existing physical form and condition of heritage resources
- Gain skills in documentation techniques, including; measuring and recording existing field conditions with a variety of data capture methods
- Explore digital data manipulation and creation of 2D and 3D documents, in order to graphically convey the existing conditions of buildings and sites.
- Learn to apply visual media tools to communicate the form, function and historical significance of buildings, structures, landscapes and sites.
- Gain skills in creating a set of architectural drawings and documents

Information to be Covered during the Semester

Field survey methods

3D Laser-scan data manipulation and analysis

Photogrammetry fieldwork and processing

2D/3D documentation software – Autodesk ReCap Pro, AutoCAD, Bentley Pointools, etc.

Graphical presentation tools

Archival research

Preliminary material condition assessment

Course Presentation and Requirements

Course content is presented in readings, presentations, class exercises field documentation work and production of a graphic record for a heritage resource. Course requirements include; participation in class discussions, completion of assignments and interim presentations by due dates, completion of field work, data gathering and assessment, individual and teamwork on the semester-long documentation project, completion of final work products and final presentations.

Course Work Products

The work products for the documentation project will include:

- Measured drawings
- Statement of historical significance
- Preliminary conditional assessment reports
- Laser-scan orthographic images
- Hand-measured sketches and notes
- Analytical photographs of the project site
- Annotated archival resource copies and notes, organized in chronological order
- PowerPoint presentations

Course Policies

Attendance

Punctuality and professionalism are expected from participants. Please be on time, attend all classes, and be prepared for scheduled activities. Please notify the instructor when you will not be able to attend with reason for absence, either by email or by phone. More than one unexcused absence may result in the final grade being lowered one letter-grade.

During lectures and discussions, please silence cell phones. Use of electronics is permitted for data-gathering, note-taking or to add information to the discussion topic.

Grading Policies

Course grades are based on a total possible score of 100 points. The scale for letter grades is as follows: A 93-100 A- 90-92 B+ 87-89 B 83-86 B- 80-82 C+ 77-79 C 73-76 C- 70-72 D+ 67-69 D 63-66 D- 60-62 E 0-59.

Specific tasks and deliverables will make up the grade as follows:

Class Participation:	40% (Attendance and participation)
Final Presentation:	30%
Final Work Products:	20%

UF Policies

University Policy on Accommodating Students with Disabilities: Students requesting accommodation for disabilities must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

University Policy on Academic Misconduct: Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

Netiquette: Communication Courtesy: All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions, and chats. Please see Netiquette Guide for Online Courses.pdf in Course site folder Files/Syllabus.

Getting Help:

For issues with technical difficulties for E-learning in Canvas, please contact the UF Help Desk at:

- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

The ticket number received from LSS when the problem was reported to them MUST accompany any requests for make-ups due to technical issues. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Other resources are available at <http://www.distance.ufl.edu/getting-help> for:

- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support
- <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

Schedule Note and Disclaimer:

The syllabus and the details of the course schedule are subject to change as the need arises. All changes will be notified during class times and through email and eLearning announcements.

Texts and Readings (References)

Arbogast, David. *How to Write a Historic Structure Report*. New York: Norton and Company, 2010

Burns, John A, et al, eds. *Recording Historic Structures*. Second edition, Hoboken, NJ: John Wiley & Sons, 2004. (Print version)

Ching, Francis D.K., *Building Construction Illustrated*. Hoboken, NJ: John Wiley & Sons, 2014.

Tyler, Norman, et al. "Research and Documentation of Historic Properties." In *Historic Preservation*. Second edition, New York, NY: W. W. Norton & Company, 2009, pp. 202-236

HABS guide to Field Documentation. <https://www.nps.gov/hdp/standards/habsfieldguide.html>

McDonald, Travis C. Jr. *Preservation Brief 35: Understanding Old Buildings: The Process of Architectural Investigation*. Washington, D.C. National Park Service, 1994.

<https://www.nps.gov/tps/how-to-preserve/briefs/35-architectural-investigation.htm>

Slaton, Deborah. *Preservation Brief 43: The Preparation and Use of Historic Structures Reports*. Washington, D.C. National Park Service, 2005.

<https://www.nps.gov/tps/how-to-preserve/briefs/43-historic-structure-reports.htm>

Heritage Documentation Programs, National Park Service

<https://www.nps.gov/hdp/>

Library of Congress Digital Collection:

<https://www.loc.gov/collections/>

Florida Master Site File, Florida Division of Historic Resources

<http://www.flheritage.com/preservation/siteFile/documents.cfm>

National Register of Historic Places, National Park Service

<http://www.nps.gov/history/nr/>

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Course Schedule and Assignments:**Week 1 – 08/22/18 Envisioning heritage documentation and final products**

[Marty & Sujin]

- 1) Overview of documentation by UFHP, Envision Heritage, and Preservation Institute Nantucket
- 2) Review of Documentation courses in previous years
- 3) Precedent study I (UFHP's previous project sheets)
Georgetown City Hall, Pacific Club, Paredes-Dodge House, and Bowne House
- 4) Introduction to software Autodesk ReCap Pro, UF APPS, UF eLearning, etc.
- 5) Introduction to Heritage Documentation Programs and Library of Congress archive

Assignment – Analyze heritage documents (information regarding representation and research)
Marty & Sujin – Visiting St. Augustine; Sujin – Laser scanning

Week 2 – 08/29/18 Virtual visit to the project site

[Sujin]

- 1) Student presentation on heritage documentation
- 2) Precedent study II (various types of documents)
- 3) Software troubleshooting
- 4) Visiting the site virtually through the 3D laser-scan point cloud
- 5) Software manipulation training (Autodesk ReCap Pro)
- 6) Goal setting for final deliverables (drawings, statement, and preliminary condition assessment)
- 7) Introduction to UF Library, Sanborn Map, Property Appraiser, etc.

Assignment – Historical research, from the city's development to the site within the context

Week 3 – 09/05/18 Historical context of the city and site

[Marty]

- 1) Student presentation on the broad history

Assignment – Cleaning up the point cloud

Week 4 – 09/12/18 Laser scanning workshop

[Lisha Chen] will lead the workshop

Week 5 – 09/19/18 Analytical virtual experience training

[Sujin]

- 1) Exercise I – Trace orthographic plans and sections on vellum paper
- 2) Exercise II – Draw sketches of window details showing how they work through 3D analysis
- 3) Reading errors on laser scan

Assignment – Find relevant references and refine the detail sketches

Week 6 – 09/26/18 Virtual measurement training

[Sujin]

- 1) Student presentation on the detail study
- 2) Software installation (Bentley Pointools (30-day trial) & AutoCAD)
- 3) Creating scalable orthographic images and inserting into AutoCAD
- 4) AutoCAD workshop for non-design students
- 5) Collecting travel consents

Assignment – Outline drawing and field survey planning (list of what to look onsite)

Week 7 – 10/03/18 Site visit (first) and analytical field experience

[Marty]

- 1) Site tour
- 2) Analytical photographing based on the survey plan
- 3) Visiting the archive and library
- 4) Extended work (optional)

Assignment – Photographs, sketches, archival research (make notes and image copies)

Week 8 – 10/10/18 Photogrammetry workshop & online review I

[Lisha Chen] will lead the workshop

Students send digital copies of these to Sujin by Friday:

- 1) Draft drawings, orthographic images, photographs, and sketches
- 2) Annotated images, quotes and notes organized in chronological order

Week 9 – 10/17/18 Site visit (second) and field measurement I

[Sujin]

- 1) Collecting measurements by hand
- 2) Archival research
- 3) Extended work (optional)

Assignment – Develop CAD drawings and organize historical materials in chronological order

Week 10 – 10/24/18 Graphics tools workshop & online review II

[Clarissa Carr] will lead the workshop

Students send digital copies of these to Sujin by Friday:

- 1) Draft drawings, orthographic images, photographs, and sketches
- 2) Annotated images, quotes and notes organized in chronological order

Sujin will share examples and templates of condition assessment report during the week

Week 11 – 10/31/18 Site visit (third), field measurement II, and condition assessment

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- 1) Collecting measurements by hand
- 2) Preliminary condition assessment through visual analysis
- 3) Archival research
- 4) Extended work (optional)

Assignment – CAD drawings, draft condition assessment report, draft statement of significance

Week 12 – 11/07/18 Workday (no on-campus class)

- 1) Extended field survey and archival research
- 2) Developing drawings, reports, and statement

Week 13 – 11/14/18 Pinup and presentation

[Sujin]

- 1) Reviewing hard copies of drawings and presenting the reports and statement in progress

Week 14 – 11/21/18 Thanksgiving Holiday Week

No class

Week 15 – 11/28/18 Desk critique

[Sujin]

- 1) Checking the progress in drawings, reports, and statement

Week 16 – 12/05/18 Final Presentation + Group Discussion

[Marty and Sujin]

Potential Changes of Schedule:

The details of the course schedule are subject to change as the need arises. All changes will be notified during class times and through email and eLearning announcements.

Assignments

Assignments and due dates are noted on the course schedule.