



Image: UF-HPP, 57 Treasury St, St Augustine

DCP6711C
BUILT HERITAGE HISTORY &
MATERIALS CONSERVATION
UNIVERSITY OF FLORIDA
COLLEGE OF DESIGN, CONSTRUCTION AND PLANNING
HISTORIC PRESERVATION PROGRAM
2023 COURSE SYLLABUS

Prior to the Industrial Revolution, hand-production methods were abundant. Craft defined everything. The craftsman had an almost phenomenological knowledge of materials and intuited how to vary their properties according to their structural and environmental characteristics. - Neri Oxman (architect, b. 1976)

DCP6711C Built Heritage History and Materials Conservation

Meeting Day/Time: [R] 1:55 pm - 4: 55 pm [Periods 7-9]

Location: Architecture [ARC] 439 and PISA, St. Augustine

Instructor

Linda Stevenson, PhD, AIA

Contact: archtext@ufl.edu (352) 294-9141

Office: 146 Architecture

Office Hours: [R] 10:30 -11:30 am, and by appointment

Course Description

This course explores the cultural, technological, and material developments that created the historical design trends and construction technology of the American built environment, from early vernacular traditions through mid-20th-century buildings. By examining the evolution of historic construction methods and the behavior of building materials over time, participants will learn to develop effective mitigation strategies for the resilient re-imagining of these resources.

Through case study projects participants will gain experience with the following skills; identifying typical material pathologies, developing conditions assessments for buildings, and selecting an appropriate treatment approach [Preservation, Rehabilitation, Restoration], as defined in *The Secretary of the Interior's Standards (SIS) and Guidelines*, and understanding strategies for the technical requirements of treating building materials and systems. This course is framed around research through the Preservation Institute St. Augustine (PISA) and will require several field trips, historical research and writing, and an assessment of building conditions within the UF portfolio of historic properties in St. Augustine. The work produced in this class will form a valuable contribution to this ongoing research at PISA.

Course Objectives

- Identify key material and technological features of major design movements in the history of American Architecture
- Apply the evidence of historical construction techniques and materials, and subsequent repair campaigns, to synthesize development histories for historical resources
- Understand and identify pathologies in historical building systems and materials
- Apply the treatment approaches (SIS) and levels of interventions for historical buildings & sites
- Understand how conditions assessments contribute to the development of Historic Structure Reports and acquire skills in preparing these types of assessments



- Apply best practices of preserving built heritage for proposed interventions in historic buildings, structures, and sites
- Learn about technical responses to addressing issues of sustainability and resiliency for historic resources

Instructor communication

Office hours are listed above. If scheduled times do not work for you, we can also find another time for an individual meeting, please send your requests via email through the course Canvas link.

Course Presentation and Requirements

Course content is presented in readings, presentations, field trips, and site visits with preservation practitioners, guest speakers, workshops, and case studies in St Augustine. Course requirements include completion of assignments, coursework products, and final presentations.

Required Textbooks and Software

- Required content/material will be provided by the instructor through Canvas and/or will be on reserve at the *UF Art and Architecture Library* under the course number.
- Please refer to the Course Schedule for reading assignments, and interim/ final due dates
- Course materials, announcements, and grades will be on e-learning [Canvas](#).

Course Work Products

All work produced in class is property of the University of Florida Historic Preservation Program. The Instructor will keep copies of all participants’ work products. Work products include research assignments, materials investigation reports, and individual semester-long research projects (PowerPoint presentation and final report).

Assessments

Assessment project	% Grade	# Points
Short Research & Writing Assignments	40%	
Semester Research Project Presentation	25%	
Semester Research Project Paper	25%	
Participation	10%	

Percent	Grade	Grade Points
93.0 - 100.0	A	4.00
90.0 - 92.9	A-	3.67
88.0 - 89.9	B+	3.33
83.0 – 87.9	B	3.00
80.0 - 82.9	B-	2.67
78.0 - 79.9	C+	2.33
73.0 – 77.9	C	2.00
70.0 - 72.9	C-	1.67
68.0 - 69.9	D+	1.33
58.0 - 67.9	D	1.00
55.0 - 57.9	D-	0.67
0 - 54.9	E	0.00



Assignments and Projects

Short assignments.

Participants will develop narrowly-focused research investigations related to course content and present the findings in class in a PowerPoint and a condensed narrative report.

Semester Research Project

Participants will work on conditions assessment reports for properties in St. Augustine. The work involves site visits, visual assessment of properties, archival documents review of previous work campaigns, and report development.

Participation

Attendance in class and site visits, discussions of readings, and providing peer feedback on presentations.

Materials and Supply (M&S) Fees

The total M&S Fee for this class is \$0.

COURSE POLICIES

Attendance, Class Expectations and Make-up Policy

Attendance in class and on site visits and field trips is mandatory. More than three unexcused absences will result in the final grade being dropped one letter. Requirements for class attendance and make-up assignments are consistent with university policies. Excused absences must be consistent with university policies in the Graduate Catalog and require appropriate documentation. Additional information can be found here: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

UF POLICIES

University Honesty Policy

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Student Conduct Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Student Honor Code [Orange Book](#) specifies a number of behaviors that are in violation of this code and the possible sanctions. If you have any questions or concerns, please consult with the instructor or TAs in this class.

In-class Recording

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures



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without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or guest lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Student Privacy Considerations

Some class sessions may be audio-visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. *Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared.* As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Students Requiring Accommodations

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.



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Software Use

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Netiquette Communication Courtesy

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions, and chats.

Course Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

CAMPUS RESOURCES

Health and Wellness

U Matter, We Care:

If you or someone you know is in distress, please contact umatter@ufl.edu, (352) 392-1575, or visit [UMatter We Care website](#) to refer or report a concern, and a team member will reach out to the student in distress.

Counseling and Wellness Center: Visit the [Counseling and Wellness Center website](#), or call (352) 392-1575; for information on crisis services or non-crisis services.

Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or visit the [Student Health Care Center](#) website .

University Police Department: Call 352-392-1111 (or 9-1-1 for emergencies) or visit the [UF Police Department website](#).

UF Health Shands Emergency Room/ Trauma Center: For immediate medical care call 352-733-0111, or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608. Visit the UF [emergency-room-trauma-center](#) .



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GatorWell Health Promotion Services: For prevention services focused on wellbeing, including Wellness Coaching for Academic Success, visit the [GatorWell website](#) or call 352-273-4450.

Academic Resources

[E-learning technical support](#), 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu.

[Library Support](#), Various ways to receive assistance with respect to using the libraries or finding resources.

[Teaching Center](#), Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

[Career Connection Center](#), Reitz Union, 392-1601. Career assistance and counseling.

[Writing Studio](#), 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing

Resources for readings

Please see the Canvas course site *Readings* folders. Most of the readings have been scanned to PDFs and are located in the *Readings* folder, organized by module. Some resources will be placed at the Reserve Desk in the Art and Architecture Library. The following resource lists contain some recommendations for sources on various topics.

Architectural History Resources

Gerlenter, Mark. *A History of American Architecture. Buildings in their Cultural and Technological Context*. Hanover and London: University Press of New England. 1997.

McAlester, Virginia Savage. 2015. *A Field Guide to American Houses. The Definitive Guide to identifying and understanding America's Domestic Architecture*. New York: Alfred A. Knopf, 2015.

Roth, Leland and Amanda Ross Clark. *American Architecture: A History*. Boulder, CO : Westview Press, 2016 (second edition). NA705. R669 2016

Materials and Methods Readings and Resources

Friedman, Donald. *Historical Building Construction: Design, Materials, and Technology*. Revised Edition. New York: W.W. Norton, 2010.

Fischetti, David C. *Structural investigation of historic buildings: a case study guide to preservation technology for buildings, bridges, towers, and mills*. Hoboken, N.J.: John Wiley & Sons, 2009.



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Forsyth, Michael, ed. *Structures & Construction in Historic Building Conservation*. Chichester, UK: John Wiley & Sons, Ltd., 2007. TH3301.S77 2007 - also available online
<https://ebookcentral.proquest.com/lib/ufl/detail.action?docID=351472>

Henry, Alison, Iain McCraig, Clara Willett, Sophie Godfraind and John Stewart, eds. *Earth, brick and terra cotta*. Vols. 1 & 2. Farnham, Surrey, England; Ashgate Publishing Ltd. 2015. NA109.G7E27 2015

Jandl, H. Ward. *The technology of historic American buildings: studies of the materials, craft processes, and the mechanization of building construction*. Washington, D.C. Published by the Foundation for Preservation Technology for the Association for Preservation Technology, 1983.

Weaver, Martin E., and F. G. Matero. *Conserving Buildings: Guide to Techniques and Materials*. Revised edition. New York: Preservation Press, 2010. NA105.W43 2010

Young, Robert A. *Historic Preservation Technology*. Hoboken NJ: John Wiley & Sons, 2008.

St Augustine Studies

"City of St. Augustine Historic Preservation Master Plan," 2018. <https://www.citystaug.com/450/Master-Plan>.

Manucy, Albert C. *The Houses of St. Augustine: Notes on the Architecture from 1565 to 1821*. St. Augustine: St. Augustine Historical Society, 1978.

Sarah Ryan Architects. "Flood Mitigation Design Guidance for Historic Coquina Buildings," September 2021.

Heritage Conservation Organizations and Resources

UNESCO World Heritage Center publications <https://whc.unesco.org/en/publications/>

ICOMOS (Publications) <https://www.icomos.org/en/resources/publicationall/latest-icomos-publications>

Association for Preservation Technology (APT) <https://www.apti.org/>

National Center for Preservation Technology and Training (NCPTT) research
<https://www.nps.gov/subjects/ncptt/research.htm>

Getty Conservation Institute <http://www.getty.edu/conservation/>



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National Park Service (NPS) / Technical Preservation Services/ Preservation by topic

<https://www.nps.gov/orgs/1739/preservation-by-topic.htm>

Secretary of the Interior Standards for Treatment of Historic Properties

<https://www.nps.gov/tps/standards.htm>

Preservation Briefs

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

Preservation Tech Notes

<https://www.nps.gov/tps/how-to-preserve/tech-notes.htm>

ICCROM (International Centre for the Study of the Preservation and Restoration of Cultural Property)

<https://www.iccrom.org/resources/publications>

Historic England (Technical guidance)

<http://www.historicengland.org.uk/advice/technical-advice/>

(Note: This link connects to many excellent guides on project management, caring for historic buildings, archaeology, impacts of climate change, energy efficiency, etc. produced by Historic England)

DOCOMOMO <https://www.docomomo-us.org>