Built Heritage History and Materials Conservation I  
DCP6711c (27394)  
Meeting Day/Time: Thursday [R] Periods 7 – 9 [1:55 pm – 4:55 pm]

Instructor/Coordinator  
Linda Stevenson, PhD, AIA  
archtext@ufl.edu cell: (941) 704-9074  
Office location: Architecture 142  
Office Hours: [R] 9:30 -11:30 am and by appointment

Materials Conservation Instructors  
Glenn Boornazian, President and Principal Conservator  
Norman R. Weiss, Director of Scientific Research  

Course Description  
This course explores the cultural and material developments that shaped the historical design trends and construction technology used in the American built environment, from early vernacular building traditions to the architecture of the late 19th century. By examining the evolution of building design, historical construction methods, and the behaviors of historical building materials and systems, participants will learn about the major trends of America’s built heritage. Participants will gain skills in crafting clear and concise architectural narratives, an essential skill for heritage conservation work.

Participants will learn how to apply a methodology for building condition assessments through the study of materials conservation with experts in this field. The behavior of historical construction materials will be introduced through projects at the Preservation Institute St. Augustine (PISA) Materials Lab.

Learning Objectives  
• Understand the evolution of American architecture from the 17th century through the 19th centuries.  
• Understand the process and methodology for researching an architectural trend, type or theme, and for situating the architectural trend, type or theme within local, regional, national, and global contexts.  
• Compare historical building principles, traditions, technologies, techniques, and processes from different architectural periods.  
• Recognize evidence of historical construction techniques and apply the information in synthesizing development histories for historical structures, and to preparing clear and concise architectural descriptions.  
• Understand principles of developing condition assessments for historical resources.  
• Understand the various treatment approaches and levels of interventions for historic buildings and sites (The Secretary of the Interior’s Standards & Guidelines).
• Understand principles and approaches to materials conservation for historic building materials. These materials may include wood, masonry, stucco, plaster, decorative finishes, and concrete.
• Understand basic laboratory procedures for materials investigations at the PISA Materials Lab.

Instructor communication
Office hours are listed above. We can meet in person or via Zoom through the Canvas course link. You can set up a time to meet via email or text if the scheduled times do not work for you.

Course Presentation and Requirements
Course content is presented in readings, presentations, site visits, guest speakers, workshops, and work at the UF Preservation Institute St Augustine (PISA) Lab. Course requirements include attendance and participation, completion of assignments, course work products and final presentations.

Required Textbooks and Software
• Required content/material will be provided by instructor through Canvas and/or will be on electronic 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, announcement and grades will be on e-learning/Canvas. [https://lss.at.ufl.edu/]

Course Work Products
All work produced in class is property of the University of Florida Historic Preservation Program. Instructor will keep copies of all participants’ work product. Work products include architectural description narratives, short research assignments, materials investigation reports, individual semester-long research projects, presentations and papers.

Materials and Supply Fees (Lab Fees)
Material and supply fees (M&S) are assessed for certain courses to offset the cost of materials or supply items consumed during instruction. A list of approved courses and fees is published in the Schedule of Courses each semester. (UF-3.0374 Regulations of the University of Florida). M&S and equipment use fee information is available from the academic departments or from the schedule of courses (Florida Statutes 1009.24). The total M&S for this class is 50.
([https://registrar.ufl.edu/soc/).]

Assessments

<table>
<thead>
<tr>
<th>Assessment project</th>
<th>% Grade</th>
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<tbody>
<tr>
<td>Short Research &amp; Writing Assignments (5)</td>
<td>40%</td>
</tr>
<tr>
<td>Semester Research Project</td>
<td>50%</td>
</tr>
<tr>
<td>Participation</td>
<td>10%</td>
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</table>
Grading Scale

<table>
<thead>
<tr>
<th>Percent</th>
<th>Grade</th>
<th>Grade Points</th>
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</thead>
<tbody>
<tr>
<td>93.0 - 100.0</td>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>90.0 - 92.9</td>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>88.0 - 89.9</td>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>83.0 - 87.9</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>80.0 - 82.9</td>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>78.0 - 79.9</td>
<td>C+</td>
<td>2.33</td>
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</table>

Percent | Grade | Grade Points

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<thead>
<tr>
<th>Percent</th>
<th>Grade</th>
<th>Grade Points</th>
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<tbody>
<tr>
<td>73.0 – 77.9</td>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>70.0 - 72.9</td>
<td>C-</td>
<td>1.67</td>
</tr>
<tr>
<td>68.0 - 69.9</td>
<td>D+</td>
<td>1.33</td>
</tr>
<tr>
<td>58.0 - 67.9</td>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>55.0 - 57.9</td>
<td>D-</td>
<td>0.67</td>
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<tr>
<td>0 - 54.9</td>
<td>E</td>
<td>0.00</td>
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Assignments and Projects
Short research and writing assignments, related to course content, and presented in class with PowerPoint and papers submitted via Canvas.

Semester Research Project
Focus on St. Augustine buildings. Participants will prepare sections of a conditions assessment report to contribute to a larger project of ongoing documentation of the heritage resources in St. Augustine.

Participation
Discussions, providing peer feedback on presentations.

COURSE POLICIES

Attendance, Class Expectations and Make-up Policy
Attendance in class is mandatory. Students will need to provide written excuse for missing class. 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/graduate/regulations/#text

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 Honor 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 Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class. https://catalog.ufl.edu/graduate/regulations/#text
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.

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. More information can be found at: http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf

Student Privacy
There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see: https://registrar.ufl.edu/catalog0910/policies/regulationferpa.html

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 class. 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.

Course Evaluation
Students are expected to provide professional and constructive feedback on the quality of instruction in this course by completing online evaluations at https://gatorevals.aa.ufl.edu/. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://gatorevals.aa.ufl.edu/
Schedule Note and Disclaimer
The syllabus and the details of the course schedule are subject to change as the need arises. This syllabus and schedule represent the current course plans and objectives. As we go through the semester, those plans may change in order to enhance the class learning opportunity. All changes will be posted to the course website as announcements, please check in regularly to keep up to date.

Campus Resources
Health and Wellness

<table>
<thead>
<tr>
<th>U Matter, We Care:</th>
<th>If you or a friend is in distress, please contact <a href="mailto:umatter@ufl.edu">umatter@ufl.edu</a> or (352) 392-1575 so that a team member can reach out to the student.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counseling and Wellness Center:</td>
<td><a href="http://www.counseling.ufl.edu/cwc">http://www.counseling.ufl.edu/cwc</a>, and (352) 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.</td>
</tr>
<tr>
<td>Sexual Assault Recovery Services (SARS)</td>
<td>Student Health Care Center, 392-1161.</td>
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<tr>
<td>University Police Department</td>
<td>at 392-1111 (or 9-1-1 for emergencies), or <a href="http://www.police.ufl.edu/">http://www.police.ufl.edu/</a>.</td>
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Academic Resources

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<thead>
<tr>
<th>E-learning technical support,</th>
<th>(352) 392-4357 (select option 2) or e-mail to <a href="mailto:Learning-support@ufl.edu">Learning-support@ufl.edu</a>. <a href="https://lss.at.ufl.edu/help.shtml">https://lss.at.ufl.edu/help.shtml</a>.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Career Resource Center,</td>
<td>Reitz Union, 392-1601. Career assistance and counseling. <a href="https://www.crc.ufl.edu/">https://www.crc.ufl.edu/</a>.</td>
</tr>
<tr>
<td>Library Support,</td>
<td><a href="http://cms.uflib.ufl.edu/ask">http://cms.uflib.ufl.edu/ask</a>. Various ways to receive assistance with respect to using the libraries or finding resources.</td>
</tr>
<tr>
<td>Teaching Center,</td>
<td>Broward Hall, (352) 392-2010 or 392-6420. General study skills and tutoring. <a href="https://teachingcenter.ufl.edu/">https://teachingcenter.ufl.edu/</a>.</td>
</tr>
<tr>
<td>Writing Studio, 302 Tigert Hall,</td>
<td>846-1138. Help brainstorming, formatting, and writing papers. <a href="https://writing.ufl.edu/writing-studio/">https://writing.ufl.edu/writing-studio/</a>.</td>
</tr>
</tbody>
</table>
Modules/ Topics


2. Evolution of the Built Environment in US – Pre-European and Colonial Settlement Architecture, Response to Climate

3. Evolution of the Built Environment in US – Colonial Settlements and Building Traditions


6. Building Investigations and Assessments

7. Conservation as a Process

8. Materials and Methods: Wood

9. Materials and Methods: Masonry, Brick, and Stone

10. Materials and Methods: Masonry: Mortars and Cementitious Materials

11. Materials and Methods: Metals and Decorative Metals

12. Materials and Methods: Decorative Finishes

13. Historic Interiors

Resources for readings

Please see the Canvas course site Readings folders. Many 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


Historical Construction, Materials and Methods Resources


Other resources (web-based)


ICOMOS Publications

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

National Center for Technology and Training (NCPTT)  https://www.ncptt.nps.gov/
Publications  https://www.ncptt.nps.gov/blog/category/product-catalog/reports/

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

National Park Service (NPS) / Technical Preservation Services  https://www.nps.gov/tps/
The Secretary of the Interior’s Standards for Treatment of Historic Properties  http://www.nps.gov/tps/standards.htm
Preservation Briefs  http://www.nps.gov/tps/how-to-preserve/briefs.htm
Preservation Tech Notes  http://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

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

Architectural Glossaries

Classicist.org
Architectural Trust.org
https://architecturaltrust.org/outreach/education/glossary-of-architectural-terms/