



## **Built Heritage History and Materials Conservation I**

**DCP6711c** (27394)

Meeting Day/Time: [W] 8:35am - 10: 20am [Periods 2 & 3]

Zoom link:

### **Instructor**

Linda Stevenson, PhD, AIA

[archtext@ufl.edu](mailto:archtext@ufl.edu) cell: (941) 704-9074

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

### **Course Description**

This course explores the social, cultural, and material developments that shape the historical design trends and construction technology of the pre-20<sup>th</sup> century American built environment, from early vernacular building traditions to the construction of the post-Civil War period. By examining historic construction methods and the behavior of building materials and systems, participants will gain experience with; identifying typical material pathologies, applying a methodology for assessments, selecting an appropriate treatment approach (Preservation, Rehabilitation, Restoration as defined in The Secretary of the Interior's Standards and Guidelines), and understanding strategies for the technical requirements of treating building materials and systems.

### **Course Objectives**

- Understand the evolution of American architecture from the 17<sup>th</sup> through late 19<sup>th</sup> century (post-Civil War period – c. 1870).
- 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 historic building principles, traditions, technologies, techniques, and processes.
- Recognize evidence of historic construction techniques and apply the information to synthesize development histories of historic structures.
- Understand the various treatment approaches and levels of interventions for historic buildings and sites (The Secretary of the Interior's Standards & Guidelines).
- Understand and identify pathologies for historic building systems and materials. (Wood, masonry, metals, stucco, coatings and paints, glass, plaster and early concrete).

### **Instructor communication**

Virtual office hours are listed above. We can meet via the course Zoom link, I will be there after class time as noted, or you can set up a time to meet, via email or text. If scheduled times do not work for you, we can also find another time for an individual meeting, just send your requests via email or text.



## 2020 COURSE SYLLABUS

### Course Presentation and Requirements

Course content is presented in readings, presentations, site visits, guest speakers, workshops and (materials analysis in the UF Preservation Institute St Augustine Envision Lab in St. Augustine.) Course requirements include 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 project on a material (PowerPoint presentation and final report).

### 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 \$0. (<https://registrar.ufl.edu/soc/>).

### Assessments

Assessment project	% Grade
Short Research & Writing Assignments (5)	40%
Exam	10%
Semester Research Project	40%
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



## 2020 COURSE SYLLABUS

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### **Assignments and Projects**

Short research and writing assignments, related to course content, and presented in class.

Exam: This will be a “take-home” exam with visual identification questions and short essay questions.

### Semester Research Project

Focus on St. Augustine buildings. Participants will develop a conditions assessment report to contribute to a larger project involving a GIS database of heritage resources in St. Augustine.

### Participation

Discussions, providing peer feedback on presentations.

### Recommended Texts:

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.

## **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

(<http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#attendance>) 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 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

(<https://www.dso.ufl.edu/sccr/process/student-conduct-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.



## 2020 COURSE SYLLABUS

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### **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.

### **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/wpcontent/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>

### **Course Evaluation**

Students are expected to provide 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/>



## 2020 COURSE SYLLABUS

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### ***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***

##### **U Matter, We Care:**

If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) or 352 392-1575 so that a team member can reach out to the student.

**Counseling and Wellness Center:** <http://www.counseling.ufl.edu/cwc>, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

**Sexual Assault Recovery Services (SARS)** Student Health Care Center, 392-1161.

**University Police Department** at 392-1111 (or 9-1-1 for emergencies), or <http://www.police.ufl.edu/>.

#### ***Academic Resources***

**E-learning technical support**, 352-392-4357 (select option 2) or e-mail to [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu). <https://lss.at.ufl.edu/help.shtml>.

**Career Resource Center**, Reitz Union, 392-1601. Career assistance and counseling. <https://www.crc.ufl.edu/>.

**Library Support**, <http://cms.uflib.ufl.edu/ask>. 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. <https://teachingcenter.ufl.edu/>.

**Writing Studio, 302 Tigert Hall**, 846-1138. Help brainstorming, formatting, and writing papers. <https://writing.ufl.edu/writing-studio/>.

**Student Complaints Campus:** [https://www.dso.ufl.edu/documents/UF\\_Complaints\\_policy.pdf](https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf).

**On-Line Students Complaints:** <http://www.distance.ufl.edu/student-complaint-process>.



## 2020 COURSE SYLLABUS

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### **Modules/ Topics**

- 1 *Course Introduction and Themes: History of Built Environment for Historic Preservation, Architectural/ Construction Materials and Methods for Materials Conservation I*
- 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*
- 4 *Evolution of the Built Environment in US - The Classicists, Late 17<sup>th</sup> – Early 19<sup>th</sup> Century*
- 5 *Evolution of the Built Environment in US –The Romantics, Early 19<sup>th</sup> Century. - Post- 1860s*
- 6 *Material Investigation Methods, Samples, Non-destructive evaluation methods*
- 7 *Materials and Methods: Wood (17<sup>th</sup> – 19<sup>th</sup> Century)*
- 8 *Materials and Methods: Masonry, Brick, and Stone*
- 10 *Masonry: Mortars and Cementitious Materials*
- 11 *Metals, Development of Iron and Steel, Decorative Metals*
- 12 *Paints and Coatings (pre-20<sup>th</sup> century)*
- 13 *Historic Interiors*

### **Resources for readings**

#### ***Architectural History Resources***

Calloway, Stephen, Elizabeth C. Cromley, and Alan Powers. 2012. *Elements of Style: An Encyclopedia of Domestic Architectural Detail*. Richmond Hill, Ont.; Buffalo, N.Y. : Firefly Books, 2012.

NA2850.E44 2012 <https://uf.catalog.fcla.edu/permalink.jsp?20UF030775485>

Ching, Francis. *A Global History of Architecture*. Hoboken, New Jersey: John Wiley & Sons, Inc., [2017] Third Edition. UF ONLINE <https://uf.catalog.fcla.edu/permalink.jsp?20UFPDA009076754>

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



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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.

Ross, Leland M. and Amanda C. Roth Clark. *American Architecture. A History*. Boulder CO: Westview Press. 2012.

### **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.

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. TH23.T431 1983

Peterson, Charles A. *Building Early America*. The Carpenters' Company of the City and County of Philadelphia: Astragal Press, 1976.

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.

### **Other resources**

UNESCO World Heritage Center

<http://whc.unesco.org/en/publications/>

World Heritage Paper Series

<http://whc.unesco.org/en/series/>

ICOMOS (Publications)

<https://www.icomos.org/en/resources/publicationall/latest-icomos-publications>

Association for Preservation Technology (APT)

<http://www.apti.org/>

National Center for Technology and Training (NCPTT) <http://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/>

Secretary of the Interior Standards for Treatment of Historic Properties

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



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### 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>

Heritage 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. )

### ***Architectural Glossaries***

Glossary for Traditional Architecture

<http://realfinishes.blogspot.com/p/a-traditional-architecture.html>

Glossary for Modern Architecture

<http://realfinishes.blogspot.com/p/anachronistic-from-greek-ana-meaning.html>