DCP6715: Preservation Building Technology   **Fall Term 2015**

SYLLABUS

Course No:	DCP6715, Section 03FF
Time:	Tuesdays, 1:55 pm -4:55 pm (Periods 7–9)
Credits:	3 graduate-level credit hours
Location:	ARCH 215
Course website:	*http://lss.at.ufl.edu*
Instructor:	Linda D. Stevenson, PhD, College of Design, Construction and Planning
Contact Info:	archtext@ufl.edu Mobile: (941) 704-9074
Office Hours:	ARCH 438, T 5:00- 6:00 pm and by appointment, ARC 331

Course Description
Survey of traditional building materials and systems, preservation principles and conventions, and the behavior of building systems in older structures.

Purpose of the Course
This course seeks to help prepare students for the professional challenges of working with historic structures by providing an introduction to the history and principles of historic and traditional construction systems that predate the 21st century. By examining historic construction methods, tools, material technology, structural behavior and building systems components, students will develop an understanding of how to assess the conditions of historic structures as a prelude to developing strategies for treatment. By understanding how the physical fabric of historic buildings functions differently from contemporary buildings, students will gain a balanced perspective and a rationale for the comparison, selection and use of traditional methods and materials in the context of contemporary historic preservation practice.

Course Objectives
- Describe how design and construction practices for historic structures differ from contemporary design and construction practices.

- Compare historic building principles, traditions, technologies, techniques and processes, and the unique challenges encountered when working with historic structures.

- Recognize evidence of historic construction techniques and use the information to synthesize development histories of historic structures.

- Analyze how preservation issues impact decision making in contemporary design, construction and planning projects that involve historic structures.

- Apply principles of best practices in preservation technology to the context of contemporary interventions for historic buildings and sites.

Course Presentation and Requirements
Course content is presented in readings, presentations, case studies, field trips and special lectures by experts in the field of preservation building technology. Course requirements include; participation in class discussions, presentation of short research assignments, an exam and working independently in the preparation of a semester-long research project.

Course Work Products
1) Each student will complete five (5) short assignments related to building materials, technology, techniques and processes. The work products for these assignments will include a one-page written, a bibliography of relevant sources, and a Powerpoint presentation to be presented in class as noted on the course schedule. The assignments will be collated into a document at the end of the class into an electronic reference.

2) Each student will complete a semester-long individual research project. The topic will be a case study of historic preservation building technology, selected by the student and approved by the instructor. There will be a first submission of the proposed topic by the third week of class. Work products will include:
- A 3,000 word paper with supporting graphics and reference citations.
- A PowerPoint presentation of the research project to be presented during the last class period.

3) There will be an examination after the mid-point of the semester; questions will be based on course lectures and readings. A makeup exam will be considered only through written request and explanation of need.

Course Policies
Attendence:
Punctuality and professionalism are expected from participants. Students are expected to be on time, attend all classes, and to 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. During lectures and discussions, please turn off cell phones. Participants are expected to take notes during lectures. Laptops are only to be used for note taking or to add information to the discussion topic.

Participants are allowed one unexcused absence. Each additional unexcused absence results in the final grade being lowered one letter-grade.

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 and below.

Course grades will be based on class participation and specific projects with distribution as follows:
Class Participation:	50% (Attendance, short assignment presentations.)
Semester Projects:	30% (Class presentation of research project)
Exam:	20% (Refer to Course Schedule for time and date)

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 c ourtesy in all email messages, threaded discussions and chats. Please see Netiquette Guide for Online C ourses.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:
- Learning-support@ufl.edu

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

Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. 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
- Should you have any complaints with your experience in this course please visit http://www.distance.ufl.edu/student-complaints to submit a complaint.

Disclaimer:
The syllabus and the details of the course schedule are subject to change as the need arises. This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected. All changes will be posted to the course website as announcements, please check in regularly to keep up to date.

Texts and Readings
The following principal texts are on reserve at the Art and Architecture Library. Please refer to the Course schedule for reading assignments and due dates.

Carroon, Jean. *Sustainable Preservation: Greening Existing Buildings.* Hoboken, N.J.: Wiley, 2010.

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

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

Prudon, Theodore H. M. *Preservation of modern architecture.* Hoboken, N.J: Wiley, 2008.

Weaver, Martin E., and F. G. Matero. *Conserving Buildings: Guide to Techniques and Materials.* Revised edition. New York: Preservation Press, 1997.

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

Young, Robert A. *Stewardship of the built environment; sustainability, preservation and reuse.* Washington, D.C., Island Press, 2012.

Additional readings will be posted regularly on UF e-learning through the course link.
https://lss.at.ufl.edu/

Other useful resources:

UNESCO World Heritage Center
http://whc.unesco.org/

ICOMOS (Publications)
http://www.icomos.org/en/

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

National Center for Technology and Training (NCPTT)
http://ncptt.nps.gov/

National Park Service (NPS) / Technical Preservation Services
Secretary of the Interior Standards for Treatment of Historic Properties
http://www.nps.gov/tps/

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

NPS Heritage Documentation Programs
HABS/HAER/HALS
http://www.nps.gov/hdp/

NPS- Geographic Information Systems GIS
http://www.nps.gov/gis/

ICCROM (International Centre for the Study of the Preservation and Restoration of Cultural Property)
http://www.iccrom.org/

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

English Heritage (Guide to historic sites)
http://www.english-heritage.org.uk/
Heritage England (Technical guidance)
http://www.historicengland.org.uk/advice/technical-advice/

Whole Building Design Guide, National Institute of Building Sciences
http://www.wbdg.org/

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