MATERIALS CONSERVATION:  
LAB METHODS

Course number:  385T  
Schedule:  Monday 9:00 AM – 12:00 Noon  
Location:  Classroom lectures TBD  
3.112 WMB for laboratory sessions  
Instructor:  Frances Gale  
fgale@austin.utexas.edu  
Telephone 475-6963  
Office Hours are Monday 2:00 PM – 5:00 PM  
3.112 WMB

Course Summary
This course provides an introduction to architectural materials conservation, focusing on laboratory examination and testing of traditional building materials. Classroom lectures will review the physical and chemical properties of masonry and concrete, metals, mortars, wood, paints and coatings and other materials. In addition to the classroom lectures, the course includes laboratory exercises to familiarize students with basic techniques used in materials conservation, including microscopy, solubility, micro-chemical testing, wood identification and examination of paints and mortars. Each student is required to keep a laboratory notebook with records of examination and testing conducted during the semester and to submit laboratory reports for several lab exercises. The course also includes an independent research project.

Prerequisites
Construction I, or with permission of instructor.

Readings
A Laboratory Methods list of reading assignments will be provided at the first session. Readings for each session should be completed prior to class. Additional readings may also be recommended for some sessions.

Course Supplement
A course supplement with required readings is available at UT Copy Services, McCombs School of Business, GSB 3.136, 21st and Speedway. Many of these readings are also available in electronic format.

Reference Books
Several books are on reserve in the Architectural and Planning Library, including –


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Grading Policy
Your final grade will be based on your laboratory reports and notebook, midterm examination, end-of-semester examination, independent project, and attendance and participation. Percentages are below –

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Laboratory reports and notebook</td>
<td>15%</td>
</tr>
<tr>
<td>Midterm examination</td>
<td>25%</td>
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<tr>
<td>End-of-semester examination</td>
<td>25%</td>
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<tr>
<td>Independent project</td>
<td>25%</td>
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<tr>
<td>Attendance and participation</td>
<td>10%</td>
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</tbody>
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Grades
- 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
- F 59 and below

Make-up examinations and grades of “Incomplete” are given only in cases of illness or other personal emergencies.

Laboratory Reports
Each student is required to keep a laboratory notebook with records of examination and testing conducted during the semester. Laboratory reports are required for several of the lab exercises. A report template will be provided.

Examinations
There will be a midterm examination and an end-of-semester examination.
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Academic Integrity
“The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the university is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.” Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.

Plagiarism is a serious violation of academic integrity. In simplest terms, this occurs if you represent as your own work any material that was obtained from another source, regardless how or where you acquired it. Additional information about plagiarism is available on this UT site – http://deanofstudents.utexas.edu/sjs/scholdis_plagiarism.php

Accommodations for Students with Disabilities
At the beginning of the semester, students with disabilities who need special accommodations should notify the instructor by presenting a letter prepared by the Services for Students with Disabilities Office. To ensure that the most appropriate accommodations are provided, students should contact the SSD Office at 471-6259 or 471-4641 TTY.