ARI 434K / ARI 385L – Construction II: Interior Materials and Assemblies

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Office Hours: By appointment
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Class Meeting Times: TTH12:30-3:30pm
Location: SUT 2.114 (unless noted otherwise)
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Spring 2018 Syllabus

Catalog Description
Core concepts in interior materials, assemblies, and systems. Includes material properties, environmental and sustainable issues, attachment, detailing, and product specifications. Projects encourage manipulation and assembly of various material systems. Case studies using material samples, and field trips to sites of fabrication. Six hours of lecture and laboratory a week for one semester.

Prerequisite
Restricted to students in the School of Architecture. ARC 415K or ARI 385K with a grade of C or better.

Course Objectives
- Understanding all the factors in the material selection process - from aesthetics to product source
- Understanding that each material has an appropriate application based upon its properties and performance
- Ability to exercise critical creativity in relation to material selection and application
- Understanding the concept of sustainable resources - how it affects production, content, installation, inhabitants
- Understanding that design solutions are impacted by ceiling, flooring, and wall systems, environmental controls and technological systems
- Understanding that design solutions are impacted by the interface of furnishings, fixtures, and equipment with building systems
- Exposure to codes, regulations, standards, and principles of fire, life safety and barrier free design concepts
- Development of schematic design skills in relation to interior materials, including preliminary specification of finishes, skills in construction detail drawing, and notation for the communication of a material assembly
- Ability to communicate clearly and concisely in writing as related to business related documents, communication of design concepts, research papers and other correspondence

Format
- Lectures will cover the significant course material, which will be enhanced by the required reading assignments, guest speakers, and tours.
- Field trips will be scheduled during class/lab time. In certain cases, additional tours outside of class may be scheduled, but the class will be consulted on the date/time. Students are responsible for their own transportation.
- Hands-on projects will take place during class/lab times in either the Design Workshop, Design Studio, or Materials Lab; we will review ahead of each session where classes or demonstrations will be held.
- Lab assignments will augment lecture content and readings. Some will be in-class exercises only, while others will require additional research and preparation outside of lab time.
- Assignments and projects may be accomplished in groups when indicated by the description (or
they may be individual, if preferred). Any individual not performing a commensurate share of the work may be eliminated from the group but is still responsible to satisfy all assignment/project requirements. Students may be asked to provide performance evaluations for their fellow group members, and the instructor reserves the right to give individual grades for teamwork.

- Assignments include readings, design and construction projects to explore materials and methods, and short construction document exercises to develop skills in interior detailing, nomenclature, and communication.

- In addition, comprehension will be tested during the semester through Mid-Review and Final Exams on selected topics covered in lectures, readings, field trips, etc. Exams will be “open book”, and students will be allowed to have reference materials, which may include their own notes from lectures, tours, and readings; printouts of lecture slides; along with the required textbook (and additional readings provided by the instructor).

- Quizzes may be given without notice to cover reading assignments, which should be completed prior to the presentation of the material in lecture. Each student will be required to post a brief statement related to the reading on Canvas. The submission of the question on Canvas and participation in any reading discussions during class will count toward the participation grade.

- Students should expect to spend an additional 3-6 hours per week outside of class or lab time to satisfactorily complete the work for this course.

- Students should anticipate covering expenses related to class/lab exercises and assignments, which may include the cost of materials, admission fees for tours, special workshop instruction, etc.

- No laptop use in class (unless instructed otherwise), no cell-phone use in class, and no food in class (unless provided for everyone). Beverages allowed.

- Guest speakers and field trips will be integral to the course, and students will be expected to be courteous, punctual, and engaging.

- All course material (syllabus, schedule, assignments, additional readings, etc.) will be available on Canvas.

**Course Requirements**

Textbooks:
David Kent Ballast: Professional Publications Inc. 2011

Additional weekly and topical readings will be posted on Canvas.

Required Supplies:
A dedicated notebook or sketchbook for taking notes, and a 3-ring binder with pockets for keeping handouts, readings, etc.

**Attendance**

Most of our class meetings will be devoted to discussions, exercises, and hands-on workshops, so regular attendance and active participation are essential. You may miss three classes– for any reason–without penalty. Each additional absence (for any reason) will lower your course grade by 5%, and six or more absences will likely result in a failing grade for the course. Because our time in class is limited, promptness is important. Each instance of arriving late or leaving early will count as 1/2 of an absence. If you are late for class, it is your responsibility to make sure you have not been marked absent.

**Religious Holy Days**

A student who misses classes or other required activities, including examinations, for the observance of a religious holy day should inform the instructor as far in advance of the absence as possible, so that arrangements can be made to complete an assignment within a reasonable time after the absence.
Grading
Final grades are derived from class participation, lab assignments, and exams. Grading is based on a 4.0 scale as follows:

A      4.0
A-     3.67
B+     3.33
B      3.0
B-     2.67
C+     2.33
C      2.0
C-     1.67
D+     1.33
D      1.0
D-     0.67
F      0

The individual grades accumulated over the semester are averaged towards the final grade as follows:

Participation, notebooks, quizzes, tour/reading questions 20%
Lab Assignments 40%
Mid Review Exam 20%
Final Exam 20%

Please note, late submissions for any and all assignments and projects will NOT be graded. It is advisable to submit your work on time, even if it is incomplete. Students should arrange to submit work in advance if he or she anticipates being absent.

Grade Descriptions
A/A- Excellent
Project surpasses expectations in terms of inventiveness, appropriateness, visual language, conceptual rigor, craft, and personal development. Student pursues concepts and techniques above and beyond what is discussed in class. Project is complete on all levels.

B+/B/B- Above Average
Project is thorough, well presented, diligently pursued, and successfully completed. Student pursues ideas and suggestions presented in class and puts in effort to resolve required projects. Project is complete on all levels and demonstrates potential for excellence.

C+/C Average
Project meets the minimum requirements. Suggestions made in class and not pursued with dedication and rigor. Project is incomplete in one or more areas.

C-/D+/D/D- Poor
Project is incomplete. Basic grasp of skill is lacking, visual clarity or logic of presentation are not level-appropriate. Student does not demonstrate the required competence and knowledge base.
F    Fail
    Project is unresolved. Minimum objectives are not met. Performance is not acceptable. Note that this grade will be assigned when you have excessive unexcused absences.

X    Excused Incomplete
    Can be given only for legitimate reasons of illness or family emergency. Simply not completing work on time is not an adequate cause for assigning this evaluation. It may only be used after consultation with the Associate Deans’ offices and with an agreement as to a new completion date. Work must be completed before the second week of the next semester in which you are enrolling, according to the School of Architecture policy.

Disabilities
Students with disabilities who require special accommodations need to get a letter that documents the disability from the Services for Students with Disabilities area of the Office of the Dean of Students (471-6259 voice or 471-4641 TTY for users who are deaf or hard of hearing). This letter should be presented to the instructor in each course at the beginning of the semester and accommodations needed should be discussed at that time. Five business days before an exam the student should remind the instructor of any testing accommodations that will be needed.

Policy on Scholastic Dishonesty
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. Refer to the Student Judicial Services website for official University policies and procedures on scholastic dishonesty.