

**San Jose State University**  
**Department of Design**  
dsIT 106 Architectural Project Materials

Fall 2018

**Instructor:** Lance Crannell, AIA LEED AP NCARB  
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**Office Hours:** Drop-in | Monday & Wednesday 6 - 7pm  
**Class Days/Time:** Tuesday and Thursday 3:00pm to 5:50pm  
**Classroom:** IS 240

**Description:**

Discussion and analysis of materials for interior architecture lectures and field trips emphasizing aesthetic sensibilities, human factors, manufacturing processes and specifications. Prerequisite: DSIT 34

**Technology Intensive, Hybrid, and Online Courses**

This course will require a laptop maybe be a desktop computer with an external drive to produce your output. Software applications need to be purchased by students. Revit/ AutoCAD are software free to download. Sketch-up pro and Adobe Suites need to be purchased by students themselves. Students need to get the software and hardware ready for the first week of class.

**Please note:** Course requires students to attend Field trip that maybe outside of class meeting times. Some of these events [may] charge an entrance fee. If you anticipate any difficulty in meeting this course requirement, please consult with the course instructor in the first two weeks of the semester.

*“Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation/studying, or course related activities, including but not limited to internships, labs, and clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.”*

## **Faculty Web Page and MYSJSU Messaging (Optional)**

*Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on [Canvas Learning Management System course login website](#). You are responsible for regularly checking with the messaging system through my SJSU Canvas.*

## **Course Description**

Discussion and Analysis of materials for Interior architecture lectures and field trips emphasizing aesthetics sensibilities, human factors, manufacturing processes and specifications.

## **Course Goals and Student Learning Objectives**

Students will:

1. Become familiar with the physical properties of materials and finishes and the associated manufacturing processes for creating these materials and finishes.
2. Understand the basic procedures for installation processes.
3. Evaluate finishes and be able to prepare accurate and concise specifications for finishes.
4. Investigate and understand the relationship between finishes and materials used in interior spaces.

## **Required Texts / Readings**

Elena M.S. Garrison, The Graphic Standards guides to Architectural Finishes, John Wiley & Sons, INC2002, ISBN 0-471-22766-8

William R. Hall, Contact Interior Finishes, Whitney Library of Design, 1993. ISBN: 0-8230-09335

David Kent Ballast, Interior Design Reference Manual: A Guide to the NCIDQ Exam, Professional Publications (CA); 2<sup>nd</sup>, 2012. ISBN: 1888577746

## **Library Liaison**

Rebecca Kohn

[rebecca.kohn@sjsu.edu](mailto:rebecca.kohn@sjsu.edu)

Librarian, Dr. Martin Luther King. Jr. Library

Liaison to the Department of Design

San Jose State University

## **Classroom Protocol**

### **Cell Phones:**

Students will turn their cell phones off or put them on vibrate mode while in class. They will not answer their phones in class. Students whose phones disrupt the course and do not stop when requested by the instructor will be referred to the Judicial Affairs Officer of the University.

### **Computer Use:**

In the classroom, faculty allows students to use computers only for class-related activities. These include activities such as taking notes on the lecture underway, following the lecture on Web-based PowerPoint slides that the instructor has posted, and finding Web sites to which the instructor directs students at the time of the lecture. Students who use their computers for other activities or who abuse the equipment in any way, at a minimum, will be asked to leave the class and will lose participation points for the day, and, at a maximum, will be referred to the Judicial Affairs Officer of the University for disrupting the course. (Such referral can lead to suspension from the University.) Students are urged to report to their instructors computer use that they regard as inappropriate (i.e., used for activities that are not class related).

## **Dropping and Adding**

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the [current academic calendar](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/) web page located at [http://www.sjsu.edu/academic\\_programs/calendars/academic\\_calendar/](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/). The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>.

Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the Advising Hub at <http://www.sjsu.edu/advising/>.

## Assignments and Grading Policy

The format of this course will be both lecture and studio. If you miss a class, it is your responsibility to find out what you missed BEFORE the next class. Technical demos and lectures will not be repeated for students who miss a class. It is your responsibility to find out about any announcements made in class, by communicating with your classmates.

Exams and projects will be issued during the semester. Exams will cover lecture, textbook, and handout information.

\* **Please Note:** Class participation will impact your grade. Class attendance AND participation is required for all lectures including those of guest speakers and field trips (on and off campus). **Pop Quizzes** will be given throughout the semester as part of your participation grade.

1. All classes start as the time indicated on the class schedule. Students who are late will be considered as non-participants.
2. All projects are due at the designated date and time. Late projects will not be accepted.
3. Make up exams are only given to students that have an emergency or/and immediate family death.

**In class Assignments:** all students are required to submit a short write about 250 words upload online or email after each guest speaker has presented.

### Grading Criteria:

Project + Assignments	60%
Quiz + Exam	20%
Performance   Class Participation & Field trip	20%

### Grading Percentage Breakdown

97-100 = A+  
93-96 = A  
90-92 = A-  
87-89 = B+  
83-86 = B  
80-82 = B-  
77-79 = C+  
73-76 = C  
70-72 = C-  
67-69 = D+  
63-66 = D  
60-62 = D-  
59 and below = F

- A Excellent.** Indicates work of a very high character; the highest grade given. This grade is reserved for work that shows leadership and inspiration, demonstrating significant insight developed to its fullest extent and presented with exquisite craftsmanship.
- B Good.** Indicates work that is definitely above average, though not of the highest quality. This work shows thorough exploration and development, and is well presented with good craftsmanship, but it may not rise to the highest level of excellence.
- C Fair.** Indicates work of average or medium character. Work in this category demonstrates complete fulfillment of the stated requirements and an understanding of the issues covered, but does not exceed the expectations of understanding, development, or execution.
- D Pass.** Indicate work below average and unsatisfactory. It is the lowest passing grade. Though work may meet the minimum requirements, it lacks depth, development or is unsatisfactorily crafted.
- F Fail.** Indicates work that the student knows so little of the subject that it must be repeated in order that credit may be received. Work in this category may be unfinished, unimaginative, underdeveloped or poorly executed, and shows minimal understanding of issues.

## University Policies

### Academic Integrity

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The [University's Academic Integrity policy](http://www.sjsu.edu/senate/S07-2.htm), located at <http://www.sjsu.edu/senate/S07-2.htm>, requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sa.sjsu.edu/judicial_affairs/index.html) is available at [http://www.sa.sjsu.edu/judicial\\_affairs/index.html](http://www.sa.sjsu.edu/judicial_affairs/index.html)

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Policy S07-2 requires approval of instructors.

## **Academic Honesty:**

Faculty will make every reasonable effort to foster honest academic conduct in their courses. They will secure examinations and their answers so that students cannot have prior access to them and proctor examinations to prevent students from copying or exchanging information. They will be on the alert for plagiarism. Faculty will provide additional information, ideally on the green sheet, about other unacceptable procedures in class work and examinations. Students who are caught cheating will be reported to the Judicial Affairs Officer of the University, as prescribed by [Academic Senate Policy S04-12.](#)

- “You are responsible for understanding the policies and procedures about add/drops, academic renewal, withdrawal, etc. found at <http://www2.sjsu.edu/senate/S04-12.pdf>
- Expectations about classroom behavior; see [Academic Senate Policy S90-5](#) on Student Rights and Responsibilities.
- As appropriate to your particular class, a definition of plagiarism, such as that found on Judicial Affairs website at <http://www2.sjsu.edu/senate/plagiarispolicies.htm>
- “If you would like to include in your project any material you have submitted, or plan to submit, for another class, please note that SJSU’s Academic Integrity policy S04-12 requires approval by instructors.”

## **Campus Policy in Compliance with the American Disabilities Act**

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the [Disability Resource Center](#) (DRC) at <http://www.drc.sjsu.edu/> to establish a record of their disability.

Class	Date	Topics, Readings, Assignments, Deadlines
1	08.21	Class Introduction – Course Review -
	08.23	Project One Discussion + Studio Overview of materials: CSI specification; Green materials, Building Codes, Symbols, Construction documents related to FF+E. Samples
3	09.04	Lecture: The Design Process and Material Selection
	09.06	Lecture: Hard Costs vs. Soft Costs + Studio
4	09.11	Lecture: Materials and the Design Process + Studio
	09.13	Guest Speaker TBD
5	09.18	Project One- Phase 1 due + Studio
	09.20	Lecture: Hitting the mark – Costs, Quality and knowing your client
6	09.25	Lecture: Designing with materials in mind

7	10.02  10.04	Guest Speaker TBD  Lecture: Simultaneity - Creating Spaces with Material
8	10.09  <b>10.11</b>	Lecture: Structural Material and Finish Materials  Project Phase 2 due
9	10.16 10.18	Guest Speaker Guest Speaker + Studio
10	10.23  10.25	Studio  Studio
11	10.30  <b>11.01</b>	Midterm Review  Midterm
12	<b>11.06</b>  11.08	Project Phase 3 due  Guest Speaker
13	11.13  11.15	Project Phase 4 due  Presentation
14	11.20	Presentation

	11.22	Thanksgiving - NO class -
15	11.27	Studio Day
	11.29	<p>Presentation</p> <p>Project Two Due</p> <p>Materials properties spec sheets; furniture cut sheets; rendered images</p> <p>Final Presentation Requirements</p> <ol style="list-style-type: none"> <li>a. 11 x 17 booklet</li> <li>b. Branding + Name</li> <li>c. Concept Board</li> <li>d. Floor plans with Legend Label onto the plans</li> <li>e. Rendered Elevations of selected spaces</li> <li>f. Interior color &amp; materials board with selected floor plan and key to finishes, furniture and materials.</li> <li>g. Prepare for Powerpoint or Keynote presentation at final critique.</li> </ol>
16	12.04	Studio – Revisions
	12.06	Studio
17	12.11	Last Day of instruction   Potluck Day :P

### Group Team Project Lecture List

#1 Group: All about Floorings; Foundation

#2 Group: Windows & Doors; Installation; Code related; Millwork Details- Joinery

#3 Group: Wall system rating + Roof/Ceilings/ Skylight/ Building Codes/

#4 Group : Application of Paint Ext. & Int. + Fabrics + Millwork Detail Furniture

#5 Group: Building Types, Building materials, façade, curtain windows, etc

Millwork Details - Joinery

#6 Group: Virtual Materials – Digital imagery and materiality