

San José State University  
Department of Design, Interior Design  
dsIT 100 Building Codes Spring 2019

### Course and Contact Information

Instructor:	Morana Medved IIDA, CID, LEED AP ID+C, WELL AP, EDAC
Office Location:	IS 205
Telephone:	408.791.7875 (contact by text only if you need a response within 24 hours)
Email:	<a href="mailto:morana@zagabria.net">morana@zagabria.net</a> Emails sent Monday thru Thursday will receive a response within 48 hours, emails sent Friday thru Sunday will receive a response on Monday
Preferred Contact:	Email, Text only if there is an urgent issue
Office Hours:	Monday/Wednesday/Friday by appointment
Class Days/Time:	Monday/Wednesday 3:00 – 5:50 PM
Classroom:	IS 241
Prerequisites:	DSIT 103

### Course Format

Hybrid, most classes are taught in person with online supplements and occasionally classes might be conducted online. All exams will be administered through Canvas and participation will be reviewed with assistance of iClicker/REEF Polling student response system. Students are required to bring laptop to every class and follow the instructions in Canvas throughout duration of the course. Any updates to the class schedule or requirements will be posted in Canvas.

Course requirements include attendance at up to five professional events 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.

### Canvas:

All students should sign up for Canvas as all the course communication, class presentations, exams and most assignment submittals shall be managed through this system. These are instructions for logging in:

Canvas Login URL: <https://sisu.instructure.com>

Please note that it should NOT have the "www" at the start of the URL like many other websites.

Username: SJSU 9-digit ID

Support: [www.sjsu.edu/at/ec/canvas/student\\_resources/index.html](http://www.sjsu.edu/at/ec/canvas/student_resources/index.html)

## iClicker/REEF Polling:

iClicker student response system will be used in class this term. iClicker helps me to understand what you know and gives everyone a chance to participate in class. I will not use iClicker to keep track of attendance. Participation with iClicker will account for a portion of your In-class participation grade. Please consult the [iClicker Account Setup Guide](#) to create an account and [iClicker Add Course Guide](#) to add this course.

## Course Description

This course introduces students to building codes and legal regulations as they relate to the profession of Interior Design. In class lectures and discussions cover building codes, the process of code development and revision, and the responsibilities of interior designers to incorporate code requirements in their work. Essential sections of the building code, such as egress, occupancy types, regulations for the disabled and general accessibility requirements (ADA), finish and material specifications and fire ratings, are highlighted in the class.

## Course Learning Outcomes (CLO)

- Gain a basic understanding of Building Code Compliance including: codes, regulations, and standards applicable to a given site and building design; occupancy classifications; allowable building heights and areas; allowable construction types; separation requirements; occupancy requirements; means of egress; and fire protection.
- Understand the core principles of accessibility as defined by ADA and how to design both site and building to accommodate individuals with varying physical abilities.
- Understand life-safety systems and the basic principles that inform the design and selection of these systems in buildings and their subsystems.
- Gain an understanding of legal responsibilities and the interior designer's role with respect to public health, life safety, and welfare; building codes; accessibility, sustainability, and other factors affecting building design, construction, and architecture practice.

## Required Texts/Readings

### Textbook

There is no required textbook for this class but you will need to access 2016 California Building Code and CALGreen online at [California Building Standards Commission Website http://www.bsc.ca.gov/Codes.aspx](http://www.bsc.ca.gov/Codes.aspx) and Americans with Disabilities Act (ADA) at [ADA Home Page http://www.ada.gov/](http://www.ada.gov/)

### Recommended Readings

Building Codes Illustrated: A Guide to Understanding the 2015 International Building Code [Paperback]  
Authors: Francis D. K. Ching and Steven R. Winkel  
ISBN-13: 978-1119150923 ISBN-10: 1119150922 Edition: 5<sup>th</sup>

[https://www.amazon.com/Building-Codes-Illustrated-Understanding-International/dp/1119150922/ref=sr\\_1\\_1?ie=UTF8&qid=1548306701&sr=8-1&keywords=2015+building+codes+illustrated](https://www.amazon.com/Building-Codes-Illustrated-Understanding-International/dp/1119150922/ref=sr_1_1?ie=UTF8&qid=1548306701&sr=8-1&keywords=2015+building+codes+illustrated)

The Codes Guidebook for Interiors, [Hardcover]  
Authors: Sharon Koomen Harmon and Katherine E. Kennon  
ISBN-13: 978-1118809365 ISBN-10: 111880936X Edition: 6<sup>th</sup>

[http://www.amazon.com/Codes-Guidebook-Interiors-Sharon-Harmon/dp/111880936X/ref=sr\\_1\\_1?ie=UTF8&qid=1421812172&sr=8-1&keywords=codes+guidebook+for+interiors&pebp=1421812174866&peasin=111880936X](http://www.amazon.com/Codes-Guidebook-Interiors-Sharon-Harmon/dp/111880936X/ref=sr_1_1?ie=UTF8&qid=1421812172&sr=8-1&keywords=codes+guidebook+for+interiors&pebp=1421812174866&peasin=111880936X)

## Time and Communication Management

Most students struggle with time management and proper electronic communication skills. There is no specific class covering these subjects these are crucial skills to learn and will significantly contribute to your success as a future designer. I strongly recommend the following books to assist you with these subjects.

Time Management for Architects and Designers, by Thorbjørn Mann. ISBN-10 0-39373-133-0

Amazon: [www.amazon.com/Time-Management-Architects-Designers-Thorbjoern/dp/0393731332/ref=sp\\_atf\\_title\\_1\\_1?s=books&ie=UTF8&qid=1402327636&sr=1-1&keywords=Time+Management+for+Architects+and+Designers](http://www.amazon.com/Time-Management-Architects-Designers-Thorbjoern/dp/0393731332/ref=sp_atf_title_1_1?s=books&ie=UTF8&qid=1402327636&sr=1-1&keywords=Time+Management+for+Architects+and+Designers)

SEND: Why People Email So Badly and How to Do It Better, by David Shipley and Will Schwalbe. ISBN-10 0-30727-599-X

Amazon: [www.amazon.com/SEND-People-Email-Better-Vintage/dp/030727599X/ref=sp\\_atf\\_title\\_1\\_1?s=books&ie=UTF8&qid=1402327663&sr=1-1&keywords=SEND%3A+Why+People+Email+So+Badly+and+How+to+Do+It+Better](http://www.amazon.com/SEND-People-Email-Better-Vintage/dp/030727599X/ref=sp_atf_title_1_1?s=books&ie=UTF8&qid=1402327663&sr=1-1&keywords=SEND%3A+Why+People+Email+So+Badly+and+How+to+Do+It+Better)

## Other technology requirements / equipment / material

### Software:

Autodesk Revit Architecture 2019  
Can be downloaded for free at  
<http://www.autodesk.com/education/free-software/all>

Ensure your computer meets minimum (Entry-Level) system requirements (Value is recommended):  
*(if you have a partitioned Mac also see VMware or Parallels requirements)*  
<https://knowledge.autodesk.com/support/revit-products/learn-explore/caas/sfdcarticles/sfdcarticles/System-requirements-for-Autodesk-Revit-2019-products.html>

**USE ONLY REVIT 2019, IT IS CRUCIAL THAT WE ALL USE THE SAME PLATFORM!**

Adobe Acrobat (not Adobe Reader, to enable you to print to PDF)  
*(if you have a partitioned Mac this needs to be installed on PC side of your computer)*  
Full Adobe Creative Cloud is available for SJSU students:  
<http://www.sjsu.edu/ecampus/teaching-tools/adobe/students/index.html>

Alternative free PDF writer *(note that its capabilities are more limited)*

CutePDF [www.cutepdf.com](http://www.cutepdf.com)

## Materials:

Notebook (you are required to take pen-to-paper notes in class)

Flash (USB) drive large enough to back up all your work – back up once a week minimum

Measuring tape 25' minimum (laser measuring device optional)

## Resources:

Autodesk Revit 2019 Help: <http://help.autodesk.com/view/RVT/2019/ENU/>

Autodesk BIM Library: <https://bimobject.com/en-us?origin=seek>

RevitCity Component Library: <http://www.revitcity.com/downloads.php>

## Course Requirements and Assignments

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of forty five hours over the length of the course (normally 3 hours per unit per week with 1 of the hours used for lecture) for instruction or preparation/studying or course related activities. Other course structures will have equivalent workload expectations as described in the syllabus.

The format of this course will be both lecture and studio with classes administered both in person and online. Students will have in-class multiple choice exams, in-class exercises and a variety of homework assignments including a multi-week project. Technical demonstrations will be provided online through Canvas and students will have an opportunity to work with instructor in class. Exams will cover lecture and handout information and will be administered through Canvas and other deliverables will be reviewed. **Make sure to regularly log in Canvas and to sign up to have notifications delivered by email as this will be the main mode of communication for this class. If you know you will be missing a class contact the instructor BEFORE class to make arrangements to make up the exam or exercise.**

All projects are due at the designated date and time and deliverables are required in format listed below. Late projects will not be accepted except in case of an emergency in which case you should contact instructor ASAP to make special arrangements. **Up to a week extension will be granted on assignments only if instructor is contacted BEFORE the assignment is due.**

Attendance per se shall not be used as a criterion for grading. However, students are expected to attend all meetings for the courses in which they are enrolled as they are responsible for material discussed therein, and active participation is frequently essential to ensure maximum benefit to all class members. In this case, attendance is fundamental to course objectives; for example, students may be required to interact with others in the class. Attendance is the responsibility of the student.

All lectures, exams, in-class exercises and student presentations will be held during class time. **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.

Class participation will impact your final grade. Class participation is expected at all lectures, including those by guest speakers and off-campus sessions, and should include asking and answering questions in class and participating in discussions. All classes start at the time indicated on the class schedule. Students who are late will be considered non-participants. In addition to in-class participation the students are expected to attend five IDSO, AIA, ASID, USGBC or IIDA events, two of which have to be non-IDSO events. To confirm your attendance, provide a 250-word description of event

you attended within TWO WEEKS of attendance and submit it in PDF format through Canvas. If you do not submit the write ups your event attendance will not be counted towards your final grade. If you anticipate any difficulty in meeting this course requirement, please consult with the course instructor in the first two weeks of the semester.

There are several ways to earn extra credit in this class and they are described under grading policy.

## Deliverable Requirements

One of the goals of this class is to learn to communicate professionally which includes always fully reading and understanding requirements and following them in every detail. You are required to submit all their assignments following these guidelines:

1. All assignments need to contain student name and assignment date in the body of the assignment.
2. All assignments and extra credit submissions are to be submitted in PDF format and be 20 MB or less in size unless different size is specified in assignment (file size can be reduced through Adobe Acrobat if necessary).
3. All assignments executed in particular scale need to be PDF-ed to print full size to scale (100% and not fit to page in print settings).
4. All attached files should follow this naming format: DSIT 111\_Your Name/Group Name\_Assignment Name\_Date (8-digit year/month/day format)

Assignments not following this format will receive a **up to one-point grade deduction** (quarter point deduction for each violation). All assignments are due to be uploaded to Canvas by 9:00 AM the day it is due in class. Please allow time for last minute issues. Assignments are due through Canvas even if a hardcopy is required in class. Late submissions will get a point deduction for each day they are late and will not be accepted more than 48 hours late unless prior arrangements have been made with the instructor.

## Final Examination or Evaluation

There is both a Final Project Evaluation conducted in-class on the last day of class, and Final Exam, conducted online during the Finals week as reflected on schedule.

## Grading Information

### Exams

Exams	1-6 (5 points each)	30 points
Final		10 points

### Assignments

Homework Assignments 1-3 (2 points each)	6 points
In-class Egress Group Assignment	5 points
In-class ADA Group Assignment	5 points
Assignment 1 (Individual)	10 points
Assignment 2 (Partner)	25 points

## Participation

Class Participation – in-class activity (includes asking and answering questions and contributing to in-class assignments)	5 points
Class Participation – events (with 250 word summary)	5 points

## Extra Credit

### *Option 1:*

Participate in AIA, ASID, USGBC or IIDA event and provide a 250 word summary about the event **AND** a 50-100 word summary EACH for two professionals you met at the event – include name, where they work, what kind of work they do, what type of accreditations they hold, what is their work environment like, and turn in following standard deliverable format. Total summary should be 350-450 words long. Possible credit is 1 point per event, 5 points max per semester. Joining LinkedIn is pre-requisite for extra credit. To receive extra credit the extended event summaries need to be received within TWO WEEKS of event.

### *Option 2:*

Create an accessibility verification tool to be used during site surveys. It can be a checklist, a visual diagram or any other type of visual tool that includes all of the survey requirements in a format that makes it easy to verify them. Each requirement noted needs to be followed by a code section (i.e. 2016 CBC 11B-306.1). Turn the assignment in through Canvas and present it in designated class. This can be an individual assignment or partner (two students) assignment for a maximum of 5 points.

## Grading Scale

The grading scale is as follows (points, not percentage):

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.

## 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 or use their phones for activities that are not class-related. Students who use phones during the class and do not stop when requested by the instructor will be asked to leave the class and will be responsible for any class activities they miss (NO MAKE UPS).

### Computer Use:

In the classroom, faculty allows students to use computers only for class-related activities. Students who use their computers for other activities, including coursework for other classes, or who abuse the equipment in any way will be asked to leave the class and will be responsible for any class activities they miss (NO MAKE UPS).

## University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/> Make sure to review these university policies and resources.

## General Expectations, Rights and Responsibilities of the Student

As members of the academic community, students accept both the rights and responsibilities incumbent upon all members of the institution. Students are encouraged to familiarize themselves with SJSU's policies and practices pertaining to the procedures to follow if and when questions or concerns about a class arises. To learn important campus information, view [University Policy S16-15](#) and SJSU current semester's [Policies and Procedures](#). In general, it is recommended that students begin by seeking clarification or discussing concerns with their instructor. If such conversation is not possible, or if it does not address the issue, it is recommended that the student contact the Department Chair as the next step.

## Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Add/drop deadlines can be found on the current academic year calendars document on the [Academic Calendars webpage](#). Students should be aware of the current deadlines and penalties for dropping classes ([Late Drop Information](#)). Information about the latest changes and news is available at the [Advising Hub](#).

## Consent for Recording of Class and Public Sharing of Instructor Material

[University Policy S12-7](#), requires students to obtain instructor's permission to record the course and the following items to be included in the syllabus:

- o "Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material."
- o In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- o "Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent."

# DSIT 100 Spring 2019 Course Schedule

Schedule might change during the semester, dates for guest lectures and off campus events are tentative and will be confirmed at least a week in advance. ***All schedule changes and announcements shall be made through Canvas, make sure you sign up for email notifications.***

## Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
2	01/28	Syllabus review, Homework 1 Assigned
2	01/30	Lecture 1
3	02/04	Lecture 2, Homework 1 Due, Homework 2 Assigned
3	02/06	ONLINE CLASS – Review and Exam 1
4	02/11	Lecture 3, Homework 2 due, Assignment 1 Part 1 Assigned
4	02/13	ONLINE CLASS – Review and Exam 2
5	02/18	Assignment 1 Part 1 Due
5	02/20	Lecture 4, Homework 3 Assigned
6	02/25	Lecture 5, Assignment 1 Part 2 Assigned
6	02/27	ONLINE CLASS – Review and Exam 3
7	03/04	Lecture 6, Homework 3 due
7	03/06	ONLINE CLASS – Review and Exam 4
8	03/11	Assignment 1 Part 2 Due
8	03/13	Lecture 7, In-class Egress Exercise
9	03/18	Lecture 8, In-class Egress Exercise due
9	03/20	ONLINE CLASS – Review and Exam 5
10	03/25	Guest Lecture - Sustainability
10	03/27	Lecture 9, Assignment 2 Part 1 Assigned



Week	Date	Topics, Readings, Assignments, Deadlines
11	04/01	SPRING BREAK
11	04/03	SPRING BREAK
12	04/08	Lecture 10, Assignment 2 Part 1 Work Session
12	04/10	Individual Consultations
13	04/15	Assignment 2 Part 1 Due
13	04/17	Lecture 11, Assignment 2 Part 2 Assigned
14	04/22	Lecture 12, In-Class Accessibility Exercise
14	04/24	ONLINE CLASS – Review and Exam 6
15	04/29	In-Class Accessibility Assignment Due
15	05/01	Lecture 13, Assignment 2 Part 2 Work Session
16	05/06	Assignment 2 Part 2 Due
16	05/08	Individual Consultations
17	05/13	Assignment 2 Final Project Review (in class)
18	05/20	Final Exam (ONLINE)