

San José State University
Department of Design
DSIT102, Computer Graphics for Interior Architecture, Spring, 2019

Course and Contact Information

Instructor:	Joris Komen
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Office Hours:	Tuesday & Thursday - 10:00AM to 11:00AM
Class Days/Time:	Tuesday & Thursday - 3:00PM - 5:50PM
Classroom:	Industrial Studies Room 241

Course Format

This course is a digital tools development seminar - students will learn and work with software and assorted alternative presentation technologies throughout the course. This course covers digital and analogue presentation processes for design. This semester course is split into two parts: The first half covers various digital tools and their applications for design. The second half is dedicated to the development of a students portfolio.

Students will require a computer(laptop) to participate, complete and submit assignments.

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on Canvas Learning Management System course login website at <http://sjsu.instructure.com>. You are responsible for regularly checking with the messaging system through MySJSU at <http://my.sjsu.edu> (or other communication system as indicated by the instructor) to learn of any updates.

Course Description

This class focuses on the examination of software applications that relate to the development of architectural modeling, projection, delineation and presentation of form and space. Exercises build on the understanding of the digital workflows and logics inherent to deployed techniques and constructed geometry. This includes the fundamentals of Euclidean and non-Euclidian geometric principles, the proper construction of plan/section/elevation axonometric and perspective drawing through the use of advanced 3D modeling digital media. Students will learn 3D rendering techniques and explore various methods of and materials used 2D presentation. Students will also develop their portfolio of works - which is required to successfully pass DSIT102.

Learning Outcomes

At the end of this course students will understand/have:

- How to use creative thinking in order to present of a variety of ideas, approaches, and concepts.
- Employ appropriate representational media, including computer technology, to graphically convey their design ideas.
- Employ formal ordering systems and understand the fundamentals of visual perception and the principles and systems of order that inform two dimensional architectural composition and design.
- Formulate two and three dimensional digital design visualizations and representations including but not limited to renderings, plans, sections, elevations.
- Proper delineation and selection of lines, weights, styles, colors, patterns, hatches etc. appropriate for communicating designs, construction assemblies and finishes.
- Use appropriate software such as MODO, AUTOCAD, Adobe Photoshop or Illustrator to communicate project proposals.
- Create composite presentations, in both book and poster format, that communicate one's design thinking ability, technical skills, experience and project content.
- How to engage in multi-disciplinary collaboration. Students work in team structures and dynamics and learn the nature and value of integrated design practices.
- How to apply a variety of communication techniques and technologies appropriate to a range of purposes and audiences and are able to express ideas clearly in oral and written communication.
- The value of and develop the skills necessary for critiquing and evaluating presentations.

Required Reading:

(refer to SJSU CANVAS for links)

Library Liaison

Aliza Elkin

Students can email (aliza.elkin@sjsu.edu), call (408-808-2043), or use search Aliza's library profile to schedule in-person and telephone appointments. Aliza can often be found in the Administration offices on the 4th floor of the King Library.

Course Requirements and Assignments

The course is organized around lecture and lab work: lectures will introduce topics and assignments and provide an overview of issues and outline the design communication concepts that are expected to be investigated. Labs will be a period of focused exploration of design issues and communication skills. Finished projects and work in progress will be presented and discussed during each class session to make important points about design.

Your final grade for this class will be based on class participation in reviews and labs and the successful completion of assignments. The assignment grade will be based on a set of criteria including the thoughtfulness and originality of the concept, rigorous and iterative experimentation, the application of the design principles you have learned, and the time and care you have invested in making models, final objects, renderings and presentations.

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.

Final Examination or Evaluation

Each pin up will be graded. It is expected that your work will be printed out and pinned up within the first 15 minutes of class. If it is not you will receive a grade of 0 for that assignment.

Your final grade for this class will be based on class participation in reviews and labs and the successful completion of assignments. The assignment grade will be based on a set of criteria including the thoughtfulness and originality of the concept, rigorous and iterative experimentation, the application of the design principles you have learned, and the time and care you have invested in making models, final objects, renderings and presentations.

Breakdown:

Assignment 1: 5
Assignment 2: 5
Assignment 3: 5
Assignment 4: 5
Assignment 5: 5
Assignment 6: 5
Portfolio Review: 60 %
Participation: 10%

Class Participation will be based on preparedness for in class desk critiques and pin ups and your role in the group projects and/or discussions.

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. 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.

“This course must be passed with a C or better as an SJSU graduation requirement.”

Classroom Protocol

Teaching is a two-way dialogue. Attendance is expected at all class sessions and the student's presence throughout the entire class time is required. Whenever possible, the professor should be notified in advance of a student's inability to attend a class. In the event the professor is late for class, students are authorized to leave after a half hour wait. It is important to be on time and to be present. It is possible to produce "A" work in the class yet receive a lower grade due to poor class participation and attendance. Students must be present for in class critiques, students who arrive late will not be allowed to present.

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; Projected critique dates will given to you in advance; however, in some instances these may change do to extenuating circumstances, and it is your responsibility to find out about any announcements made in class, by communicating with your classmates.

Deadlines will be made available to you in class. Any work not turned in on the date it is due is considered late. Ten percent will be deducted from the grade for every class period it is not turned in. Special circumstances will be taken into consideration (e.g. Illness, court appearance, death of a relative.) All assignments must be completed and turned in to receive a passing grade for the class.

The instructor reserves the right to alter assignments and change project due dates with sufficient notice to the students.

Equipment, Materials and Technological Requirements

Computer Requirements:

Each student will need a laptop that is powerful enough and meets the minimum requirements to run the appropriate software for this class. Ensure that you have ample storage space on the hard drive, high quality reliable external drive, and a system for regular external backups of up your work.

You are required to have a laptop and ALL of the software listed below installed on the first day of class. You will use these software applications and newer versions and variations on them throughout your academic career and as you move into the profession.

The following software is mandatory for this class:

The FULL Adobe CS or CreativeCloud (not elements)

available from : <http://its.sjsu.edu/services/software/adobe/index.html>

MODO 12 or latest available

Autodesk AutoCAD

You may purchase the student version of creative collection including MODO 12 online at:

<https://www.thefoundry.co.uk/industries/education/>

1. Click on student and graduate program
2. Click on apply for a student license
3. Fill out the request
4. A representative from the foundry will email you and provide subsequent instructions. It usually takes about a week to get Modo up and running on your laptop.

Presentation Materials

High quality paper for print-outs, professional printing services as required for assignments (11 x 17" and 18 x 24" Strathmore Drawing Paper)

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. Remember that we have limited time to meet, please take advantage of the time we do have by being fully engaged.

Computer Use:

In the classroom, faculty allow 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).

Backing Up Work/Caring for your Work:

This is computer based class - Purchase a hard drive and backup your work. You **MUST ALSO** use google drive. **Work lost by hardware/software failure will not be tolerated.**

You will be required to transport your drawings to and from class. You may not let these drawings get damaged in your commute - take utmost care to prevent damage from occurring - consider getting a folio of sorts to protect your drawings.

Material Precautions:

Material Data Safety Sheets (MSDS) must be on file for all potentially hazardous materials before they can be used in any of the Art & Design facilities. Submit one copy of the material's MSDS to the department in Room 104 and a second copy to the faculty member responsible for the class in which the material will be used.

Academic Honesty:

While the studio environment promotes shared learning and a rich conversation between students about their ideas. 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.

Classroom Safety:

Please be vigilant when entering and leaving our studio space, although people should not leave their valuables in studio, make sure that the door is closed. Do not bring weapons to class.

Emergency Phone Numbers:

Emergency: dial 911 (FROM A SCHOOL PHONE, NOT A CELLPHONE!)

Escort Service: dial 42222

University Policies

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.

Workload and Credit Hour Requirements

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 3 hours per unit per week with 1 of the hours used for lecture) for instruction or preparation/studying or course related activities including but not limited to internships, labs, clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

Attendance and Participation

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 some cases, 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. Participation may be used as a criterion for grading when the parameters and their evaluation are clearly defined in the course syllabus and the percentage of the overall grade is stated. The full policy language can be found at <http://www.sjsu.edu/senate/docs/F15-3.pdf>

Accommodation to Students' Religious Holidays

San José State University shall provide accommodation on any graded class work or activities for students wishing to observe religious holidays when such observances require students to be absent from class. It is the responsibility of the student to inform the

instructor, in writing, about such holidays before the add deadline at the start of each semester. If such holidays occur before the add deadline, the student must notify the instructor, in writing, at least three days before the date that he/she will be absent. It is the responsibility of the instructor to make every reasonable effort to honor the student request without penalty, and of the student to make up the work missed. See University Policy S14-7 at <http://www.sjsu.edu/senate/docs/S14-7.pdf>.

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 section at <http://info.sjsu.edu/static/catalog/policies.html>.

Add/drop deadlines can be found on the current academic year calendars document on the Academic Calendars webpage at http://www.sjsu.edu/provost/services/academic_calendars. The Late Drop 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.

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:

“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.”

It is suggested that the greensheet include the instructor's process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.

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.

“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.”

Academic integrity

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The University Academic Integrity Policy S07-2 at <http://www.sjsu.edu/senate/docs/S07-2.pdf> 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 is available at <http://www.sjsu.edu/studentconduct/>.

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 at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.

Student Technology Resources

Computer labs and other resources for student use are available in:

Academic Success Center at <http://www.sjsu.edu/at/asc/> located on the 1st floor of Clark Hall

Academic Technology Computer Center at <http://www.sjsu.edu/at/hd/> on the 1st floor of Clark Hall

Associated Students Computer Services Center at <http://as.sjsu.edu/ascs/> on the 2nd floor of the Student Union

Student Computing Services at <http://library.sjsu.edu/student-computing-services/student-computing-services-center>

Computers at the Martin Luther King Library for public at large at

<http://library.sjsu.edu/reserve-studymeeting-room/computers-king-library>

Additional computer labs may be available in your department/college

A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiotape players; sound systems, wireless microphones, projection screens and monitors.

SJSU Peer Connections

Peer Connections’ free tutoring and mentoring is designed to assist students in the development of their full academic potential and to inspire them to become independent learners. Peer Connections tutors are trained to provide content-based tutoring in many lower division courses (some upper division) as well as writing and study skills assistance. Small group and individual tutoring are available. Peer Connections mentors are trained to provide support and resources in navigating the college experience. This support includes assistance in learning strategies and techniques on how to be a successful student. Peer Connections has a learning commons, desktop computers, and success workshops on a wide variety of topics. For more information on services, hours, locations, or a list of current workshops, please visit Peer Connections website at <http://peerconnections.sjsu.edu> for more information.

SJSU Writing Center

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the Writing Center website at <http://www.sjsu.edu/writingcenter> . For additional resources and updated information, follow the Writing Center on Twitter and become a fan of the SJSU Writing Center on Facebook.

SJSU Counseling and Psychological Services

The SJSU Counseling and Psychological Services is located on the corner of 7th Street and San Carlos in the new Student Wellness Center, Room 300B. Professional psychologists, social workers, and counselors are available to provide confidential consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit Counseling and Psychological Services website at <http://www.sjsu.edu/counseling>

DSIT102, Course Schedule

Dates subject to change - timely notice will be provided if any such events occur.

Week	Date	Topics, Readings, Assignments, Deadlines
1	01/24	Introduction to Software
2	01/29	Exercise 1 Assigned
2	01/31	Modo Tutorials
3	02/05	Desk Critiques
3	02/07	Exercise 1 Due, Exercise 2 assigned
4	02/12	Desk Critiques
4	02/14	Exercise 2 Due, Exercise 3 assigned
5	02/19	Desk Critiques
5	02/21	Exercise 3 Due, Exercise 4 assigned
6	02/26	Desk Critiques
6	02/28	Exercise 4 Due, Exercise 5 Assigned
7	03/05	Desk Critiques
7	03/07	PIN UP

8	03/12	Desk Critiques Start Model
8	03/14	Desk Critiques
9	03/19	Desk Critiques
9	03/21	Exercise 5 Due - Video Presentation
10	03/26	Project 2: Portfolio Assigned
10	03/28	Indesign Tutorial
11	04/02	Review binding methods
11	04/04	Pin UP
12	04/09	Desk Critiques
12	04/11	Pin UP
13	04/16	Desk Critiques
13	04/18	Pin UP
14	04/23	Desk Critiques
14	04/25	Pin UP
15	04/30	Desk Critiques
15 FINAL REVIEW	05/02	Industrial Studies 240 - THIS IS YOUR PORTFOLIO REVIEW
16	05/07	103 Support Day
16	05/09	Final Review 103