

**San José State University**  
**Department of Design**  
**DSIT29, DESIGN PROCESS, FALL 2018**

**Course and Contact Information**

Instructor:	Joris Komen
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Office Hours:	Tuesday & Thursday - 10:50 to 11:50
Class Days/Time:	Tuesday & Thursday - 12:00 to 14:50
Classroom:	Industrial Studies Room 240

**Course Format**

This course will held in Industrial Design Room 240 and will primarily be a hands on design class - students will draw and make models throughout the course. This course covers digital and analogue processes for design. Students will require a computer(laptop) to participate, complete and submit assignments.

Students will also be required to have an architectural model making tool-set at their disposal. This may include both modeling tools and materials.

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 MyJSU at <http://my.sjsu.edu> (or other communication system as indicated by the instructor) to learn of any updates.

**Course Description**

“Development of skills to work with point, line and plane to create volumes with spatial relationships.”

In this class you will make the transition from working with the illusionistic space of two dimensions, into three-dimensional space through the creation of an occupiable space. The assignments for this class are based on forms of translation, or changing from one form or design as they grow out of point, line and plane and into volumes with spatial relationships. You will learn a new fabrication technique with each assignment. Formal issues and expressive potential will be discussed in relation to each assignment, as well as issues like creative problem-solving, iterative and rigorous production, experimentation, and research. Slide lectures will periodically provide you with ideas.

## Learning Outcomes

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

- Speaking and Writing Skills
- Ability to read, write, listen, and speak effectively
- Design thinking skills
- Understanding of how and when to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test them against relevant criteria and standards.
- Graphics Skills
- Understanding of how to use appropriate representational media, including freehand drawing and computer technology, to convey essential formal elements at each stage of the design process.
- Formal Ordering Systems
- Understanding of the fundamentals of visual perception and the principles and systems of order that inform two- and three-dimensional design, architectural composition, and urban design
- Fundamental Design Skills
- Ability to use basic architectural principles in the design of buildings, interior spaces and sites
- Moving from 2D to 3D
- How to fabricate a physical model from a drawing through measuring and notation.
- How to test structure, form and material through physical modeling and construction.
- Ability to use basic architectural principles in the design of buildings, interior spaces and sites
- Human Behavior
- Understanding of the theories and methods of inquiry that seek to clarify the relationship between human behavior and the physical environment.
- Material Processes
- Physically working through a material process such as folding, casting and wood assembly to create a finished product.
- Precedent Analysis
- An investigation of the component parts of buildings or projects that are similar to the ones that will be executed in this studio.

### 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 principles and 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. 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.

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

### Reviews and Critiques:

There will be a class critique of each assignment on its due date as well as interim critiques during the semester, these will often be attended by visiting designers and architects. Critiques and Reviews will usually take up a whole class period. Participation in critiques is mandatory; rushing in towards the end of a critique with a piece you just finished will be considered non-participation in that critique and you will not be allowed to present your work. It is extremely important that you are awake, alert and fully involved in each critique for the entire class period. All work must be pinned up before the beginning of class and the details pertaining to the final presentation medium and dimensions of the work will be specified well within advance. Your final grade for this class will be based on class participation in lectures and labs, successful completion of take home tutorials and 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 the objects, architectures, manifestos, monographs, renderings and presentations.

### Breakdown:

Assignment 1: 25%

Assignment 2: 25%

Assignment 3: 40%

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.

### **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. 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:**

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.

## **Equipment, Materials and Technological Requirements Computer**

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 by the 3rd day of class. You will use these software applications and newer versions and variations on them throughout your academic and professional career.

### **This software is mandatory for this class:**

- Adobe Creative Suite or CreativeCloud (ILLUSTRATOR & PHOTOSHOP REQUIRED)
- available from : <http://its.sjsu.edu/services/software/adobe/index.html>
- Autodesk Autocad
  - Sketchup

## **Shop Access**

Pay the Shop Safety Test fee as soon as possible at the Bursar's Office, Student Services Center.

Pay directly into the shop fee fund 62089, and keep your receipt as proof of payment. You will take the shop safety test in class time during the first week or two of class (date to be announced).

Your fee must be paid prior to taking the test (bring receipt if you already paid last semester).

## **Wood Shop**

You will require access to the wood shop this semester, for the laser cutter and traditional wood working tools. The charge is \$20 for the safety test (date to be announced). Pay the fee before the second class session. **WILL WILL NOT NEED TO PAY AGAIN IF YOU ALREADY PAID IN THE SPRING**, and bring your receipt to the shop as proof of payment. To pay the fee, go to the Bursar's Office, Student Services Center. Pay directly into the shop fee fund 62089, and keep your receipt as proof of payment. You will take the shop safety test in class time during the first week or two of class (date to be announced). Your fee must be paid prior to taking the test (bring receipt if you already paid last semester).

## **Model-Making Materials**

Students are responsible for purchasing material as required for assignments. Materials may include: wood, acrylic, paper, plastics, rockite, chipboard, and other materials suitable for model making

## **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)

## **Basic Supplies**

Tools and Materials: \*may change at instructor's discretion.

The tools and materials are required. All have been selected for their versatility and historical benefit to architecture students. NOTE: Be prepared to find new ways of making - during the semester you will need to use materials specific to your project.

These are basic supplies which you should have throughout the semester, and should bring with you to the studio, every class. These are tools and materials which you will continue to use throughout your education and career, so you are advised to obtain professional quality.

### **THESE TOOLS MUST BE WITH YOU IN CLASS BY TUESDAY THE 23RD OF AUGUST:**

- Toolbox (for your tools)
- A Large Carry Case / Folio & 18 x 24 plastic sleeves to protect your drawings
- Architectural scale
- Olfa Knife and blades
- X-acto Knife and blades
- Drafting tape (1/2")
- erasers (Mars white plastic #526-50)
- Quick set Glue
- lead pointer/sharpener (handheld)
- lead holders (at least 2) and leads (H, 2H, 4H, 6H) - NOT CLICK PENCILS
- T-pins – one box (100 or 200)
- sketching pencils (variety)
- steel cutting rulers (raised edge for finger protection during cutting) with cork backing 14" and 36"
- Cutting Mat 24 x 36
- tracing paper rolls (14")
- triangles: 10" adjustable, 30o and 60o 4" and 8", 45o 4" and 14"
- Tweezers (optional)
- 11x17 Strathmore Bristol Paper
- 18x24 Strathmore Bristol Paper

## **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**

University Policy S14-7 states that 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.

### **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).

### **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.”

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 F15-7 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. Visit the Student Conduct and Ethical Development website for more information.

## **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 Accessible Education Center (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/ascc/> 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. (Note: You need to have a QR Reader to scan this code.) QR Code

## **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>

## Design Process, DSIT29, Course Schedule

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

Week	Date	Topics, Readings, Assignments, Deadlines
1	08/21	Project 1 Assigned
1	08/23	Desk Critiques   Tutorial   Lecture
2	08/28	Part 1 Due
2	08/30	Desk Critiques
3	09/04	Part 2 Due
3	09/06	Desk Critiques   Tutorial   Lecture
4	09/11	Part 3 Due
4	09/13	Desk Critiques
5	09/18	Project 1 due : Project 2 Assigned
5	09/20	Desk Critiques   Tutorial   Lecture
6	09/25	Part 1 Due
6	09/27	Desk Critiques
7	10/02	Part 2 Due
7	10/04	Desk Critiques   Tutorial   Lecture
8	10/09	Part 3 Due
8	10/11	Desk Critiques
9	10/16	Project 2 due : Project 3 Assigned
9	10/18	Desk Critiques   Tutorial   Lecture
10	10/23	Part 1 Due
10	10/25	Desk Critiques
11	10/30	Part 2 Due
11	11/01	Desk Critiques   Tutorial   Lecture
12	11/06	Project 3 due : Project 4 Assigned
12	11/08	Desk Critiques
13	11/13	Desk Critiques
13	11/15	Desk Critiques   Tutorial   Lecture
14	11/20	Layout and Final Presentation Mock Pinup
14	11/22	Desk Critiques

15	11/27	Desk Critiques
15	11/29	Desk Critiques
16	12/04	Desk Critiques
FINAL REVIEW	12/06	Industrial Studies 240 - During regular class hours