San José State University  
Department of Design / Industrial Design Program  
DSID 132, Soft Goods, Section 01, Fall 2015

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Prof. Alison Armstrong</th>
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<tbody>
<tr>
<td>Office Location:</td>
<td>Art 231</td>
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<tr>
<td>Telephone:</td>
<td>Prof. Alison Armstrong: 415-730-0627</td>
</tr>
<tr>
<td>Email:</td>
<td>Prof. Armstrong: <a href="mailto:alison.armstrong@sjsu.edu">alison.armstrong@sjsu.edu</a></td>
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<tr>
<td>Office Hours:</td>
<td>Tuesday 11:15am - 12:15pm</td>
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<td>Class Days/Time:</td>
<td>TR 8:00am-10:50am</td>
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<td>Classroom:</td>
<td>Art 205</td>
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<td>Prerequisites:</td>
<td>DSID 32A; Phys 1; ArtH 72; DSID 41 or by the permission of the instructor</td>
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<tr>
<td>Course Fees:</td>
<td>See Required Materials List for additional materials and costs.</td>
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Canvas Course Management Website

Copies of the course materials such as the syllabus, assignment handouts, grading, etc. may be found on the course Canvas website. You may find your link to this website on MySJSU, along with your login/password info. You are responsible for regularly checking with the messaging system in Canvas for course updates, assignments, etc. All online communication between professor and students for this course will take place through Canvas. Key topics to check on Canvas are the Calendar, Content, News, and Grades. Any last minute updates will be posted to News, the entire semester schedule is detailed in the Calendar, and your progress in the course can be tracked through Grades. Please view Canvas as a tool for Active Learning. To set email forwarding, go to “Preferences” and click the “Email” tab to manage your options. Under “Forwarding Options”, check the box “Forward incoming messages to an alternate email account.” Type your alternate Email Address in the box and save your preferences at the bottom. This should forward all class correspondence to your preferred email address.

Course Description

This class will focus on products, furniture, clothing, shoes, and other artifacts that contribute to current lifestyles. Discussions will introduce students to the people that are on the fringe of product design (fashion, furniture, art) and that constantly push the limits on what the industry
considers design. All products designed will incorporate soft materials into the solution and will introduce new ways of looking at “product”. Perhaps the most challenging aspect of working with soft materials is that often they first start as a flat material and then must be transformed into three-dimensional objects that are fully functional. Pattern making, sewing techniques, joining methods, and fastening alternatives will be explored. A theme will be introduced at the start of the semester and all products produced must be able to conceptually, and in their final state, be a manifestation of that theme. Students will be required to keep a sketchbook all semester and will be expected to record their ideas on a daily basis into their sketchbook.

Course Goals and Student Learning Objectives

Students will be required to complete at least two products in this course, in addition to the final critique. There will be a hyper iterative method to this course that will require students to develop their ideas in 3D form with many steps devoted to rough patterns, final patterns, and final form exploration.

There will be the following deliverables for this course: sketches, mock-ups, models, final functional prototypes, process books and a sketchbook. Assigned homework will be expected at the beginning of the morning class session. There will be an in class activity or quiz associated with all homework including readings. We will work in class in both morning and afternoon sessions – so – come prepared to work in class.

You will be required to:

- Turn in two design projects at the end of the semester with interim reviews and progress checks throughout the term.
- Turn in Project 2 process book that includes all work (edited for relevancy) completed during the semester on final projects (interim phase deliverables and other work that is important to the project).
- A final visual presentation will take place during the last two weeks of class.
- On-time postings of homework and progress on projects on Canvas.

Course Content Learning Outcomes

On successful completion of the course students shall be able to:

(LO 1) Demonstrate how to make patterns for transforming fabric or other flat material, into a 3D object.

(LO 2) Demonstrate a basic understanding of how the sewing machine works and a variety of sewing techniques on a variety of materials.

(LO 3) Demonstrate how to fit an idea within a conceptual theme and how to defend/describe how the product does so in a professional manner.

(LO 4) Apply introductory methods of human factors and ergonomics in relationship between a product and the human body – specifically, a product that is often in contact with the body.
in some way.

(LO5) Identify, analyze, and assess the body of work in the professional field that has been created by designers “outside” of the typical consumer product industry.

(LO 6) Demonstrate and explain how sketchbooks play a role in creativity.

**Required Texts/Readings**

**Textbook**

There is no required textbook for this course. All assigned and recommended reading will be posted on Canvas. Required reading will come from:

The books listed below in Recommended Readings, blogs, online journals and print only trade journals.

**Recommended Readings**


**Required Materials List**

Funds of approximately $200 will be needed to purchase pattern making materials, prototyping fabrics and accessories, and some tools for the sewing machine (bobbins, thread, feet, scissors, chalk, weights, etc.)

- manila paper/card stock for pattern making
- sketchbook & notebooks (min size 8.5 x 11)
- access to camera/video for documenting research
- muslin
- pencils
- fabric scissors (or dressmaker shears)
- pinking shears (optional)
- craft knife or x-acto knife and blades
- rotary cutter and mat
- thread
- seam ripper
- tape measure
- ruler / yard stick (metal preferred)
- hand sewing needles (package of 10 min - various sizes)
- pin cushion or tray
- quilting pins or long straight pins
● tailors chalk
● **water soluble marking pens**
● fabric for final project (TBD)

* items in bold are required for first week of class

**Shop Test**

The Department of Design requires that Industrial Design students attend and pass the shop safety orientation at least once each year. We will be showing the video in class and then you will have at least a week to review the video again on your own as it is posted online ([http://www.sjsu.edu/atn/services/webcasting/events/shopysafety.html](http://www.sjsu.edu/atn/services/webcasting/events/shopysafety.html)) now. The shop test date will be announced the first day of class. That will be the only date that you will be able to take the shop test for this course so make sure you have studied up and paid your shop test fee at the bursars office before that date. You must provide proof of enrollment and the original receipt from the bursar’s office that you have paid the required $20 shop fee to fund #62089 prior to taking the test.

**Library Liaison**

Rebecca Feind, Associate Librarian for Design Department
Email: Rebecca.Feind@sjsu.edu
Phone: 408.808-2007
LibGuide: TBA

**Classroom Protocol**

Active participation in class activities is a significant factor in student success in the Industrial Design program. Active learning facilitates mental growth, skill enhancement, creates a life long learner, and improves the goals of becoming a good designer. Students are expected to be on time to class and when a class critique is planned, work is to be taped/pinned up to the walls by 10 minutes after the official start of the class period. Be ready to start the critique by 15 minutes after the class officially starts. If the student is not on time to class, the work is not pinned up by the time limit, and the student is not ready to begin the critique at the 15-minute mark, the work may not be presented in the critique. Students are to be respectful of the professor and their peers and any disruptive activities in the classroom will result in the student being asked to leave the class. Arriving late to class without prior arrangement and approval from the professor is considered disruptive. If the student cannot be in the classroom by the start of class, please do not interrupt the class in session by entering the classroom. If a student encounters any problems that inhibit their ability to participate in the class, please provide as much advance notice as possible to the instructor so that he/she may respond and inform the student in a timely manner. Students are expected to leave the classroom in a clean condition with all the desks arranged in the standard configuration at the end of each class meeting so that the next class has an organized, clean room waiting for them.

**Cell phones, digital music players, digital tablets, and laptops are also disruptive and**
inconsiderate to your classmates and the instructor. Unless it is being used for a class 
activity, please turn off all electronic devices that can potentially disrupt class. If you 
disrupt or withdraw from class activities due to your inability to silence and ignore 
these devices, it will count against the participation portion of your final grade and you 
will be asked to leave the classroom. If emergency personal issues (family, medical, etc) 
require you to leave your phone on, you may do so by making arrangements with the 
instructor in advance. The instructor may need to answer the phone during class due to 
professional demands or university business, though this will be minimal. Additionally, 
talking in class during a Discussion is considered disruptive to the class, and generally rude, 
and will adversely affect the participation grade and the student may be asked to leave the 
classroom.

**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](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/](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](http://www.sjsu.edu/advising/).

**Assignments and Grading Policy**

Students will be engaged in Discussions, discussion, design activities, and lab time during 
class meeting times and they will be assessed on engagement in those activities in their 
Participation grade. Students will have homework assignments to do outside of class (up to 
12 hours per week) that include reading, sketching in their sketchbook, and design project 
activities. Students will be required to turn in a mid-term body of work done to date, along 
with their sketchbook. You will be required to turn in your two projects on the required 
presentation dates. The assigned final will be the turning in of your project process book in 
both printed hard copy AND digital format on D2L. Grading will follow the standard SJSU 
A-F system.

All grades are assessed on the following three criteria: Quality, Effort, and Completeness.

- A+, A, A- / 100+ - 91% / Excellent
- B+, B, B- / 90 – 81% / Above Average
- C+, C, C- / 80-71% / Average
- D / 70-61% / Below Average
- F / Below 61% / Failure

**Grading is weighted during the semester as follows:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
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<tr>
<td>Class Participation:</td>
<td>10%</td>
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<tr>
<td>Concept Reviews:</td>
<td>20%</td>
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<tr>
<td>First Project Review:</td>
<td>10%</td>
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<tr>
<td>Second Project Model:</td>
<td>20%</td>
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</tbody>
</table>
Second Project Presentation: 20%
Process Book: 10%
Sketchbook: 10%

All assignments are due on time. **No late work is accepted** (this includes work that is required for uploading to Canvas). Extra credit is not possible in this course as the workload is significant enough. A passing grade for this course is a C. The Participation grade in this course will be assessed through your engagement in Work/Activity sessions and critiques each week. Actively engaging and exhibiting life-long learning skills during class are the mode by which participation is assessed.

**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), 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.sjsu.edu/senate/S07-2.htm.

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.

**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](http://www.drc.sjsu.edu/) to establish a record of their disability.

**Student Technology Resources**

Though it is a requirement for ID students to have their own computer with the required software (Adobe CS, Solidworks, MS Office), and it is highly recommended that before Junior Studio (DSID 125) all ID students have a large format printer (11”x17” or 13”x19”), computer labs for student use are available in the Academic Success Center located on the 1st floor of Clark Hall and on the 2nd floor of the Student Union. Computers are also available in the Martin Luther King Library. A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include digital and VHS camcorders, VHS and Beta video players, 16 mm, slide, overhead, DVD, CD, and audiotape players, sound systems, wireless microphones, projection screens and monitors. The
ID Program will provide access to the large format printer for mid-term critiques and final presentations. Students will be given an allotment of paper for plotting final patterns, mid-term critiques, and final presentations for this course. Students will be given an allotment of 8 linear feet of plotter paper for this course. Any additional needs for printing can be accommodated by going to Plotter Pros ([http://www.plotterpros.net/index.shtml](http://www.plotterpros.net/index.shtml)) in San Jose.

**Learning Assistance Resource Center**

The Learning Assistance Resource Center (LARC) is located in Room 600 in the Student Services Center. It is designed to assist students in the development of their full academic potential and to inspire them to become independent learners. The Center's tutors are trained and nationally certified by the College Reading and Learning Association (CRLA). They provide content-based tutoring in many lower division courses (some upper division) as well as writing and study skills assistance. Small group, individual, and drop-in tutoring are available. Please visit the LARC website for more information at [http://www.sjsu.edu/larc/](http://www.sjsu.edu/larc/).

**SJSU Writing Center (Optional)**

The SJSU Writing Center is located in Room 126 in Clark Hall. Professional instructors and upper-division and/or graduate-level writing specialists from each of the seven SJSU colleges staff it. Our writing specialists have met a rigorous GPA requirement, and they are well trained to assist all students at all levels within all disciplines to become better writers. The Writing Center website is located at [http://www.sjsu.edu/writingcenter/about/staff/](http://www.sjsu.edu/writingcenter/about/staff/).

**Peer Mentor Center**

The Peer Mentor Center is located on the 1st floor of Clark Hall in the Academic Success Center. The Peer Mentor Center is staffed with Peer Mentors who excel in helping students manage university life, tackling problems that range from academic challenges to interpersonal struggles. On the road to graduation, Peer Mentors are navigators, offering “roadside assistance” to peers who feel a bit lost or simply need help mapping out the locations of campus resources. Peer Mentor services are free and available on a drop-in basis, no reservation required. The Peer Mentor Center website is located at [http://www.sjsu.edu/muse/peermentor/](http://www.sjsu.edu/muse/peermentor/).
# DSID 132 / Soft Goods / Fall 2015

## Course Schedule

Schedule is subject to change with fair notice (one class period for assignments, reading, activities or deliverables and at least one week for Field Trips) in class or via Canvas.

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics, Readings, Demos, Assignments, Deadlines</th>
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</thead>
</table>
| 1    | Th 8/20| Course Introduction and Overview of Semester Deliverables  
Discussion: What is a soft good?  
Assignment: Introduce Project 1: Simple Bag  
Homework: copy the pattern, watch shop test video |
| 2    | Tu 8/25| Discussion: Pattern Making - 2D to 3D object  
Demo: setting up machine, basic stitches, copy a pattern etc.  
Homework review  
Take Shop Test  
Th 8/27 | Sewing Demo: Putting together a project (zippers, interfacing, pockets, handle)  
In class activity: Bag Dis-assembly  
Homework: Assembly of all parts for Project 1 |
| 3    | Tu 9/1 | Discussion: Survey of Soft Goods  
Homework review  
Homework: Reading 1 (see Canvas)  
Th 9/3 | Discussion of Reading 1  
Homework: Final sewn bag for Project 1 |
| 4    | Tu 9/8 | Review and critique of Project 1  
Discussion: Inspiration  
Homework: Inspiration Sketches  
Th 9/10 | Review Homework  
Introduction to Project 2 & research methodologies  
Work in class, team forming, begin research  
Homework: Begin research - research plan  
Reading 2 (see Canvas) |
| 5    | Tu 9/15| Discuss Reading  
In class activity  
Homework: Work with team on research presentation, upload research plan to Canvas  
Th 9/17 | Review Research progress with teams  
Discussion: Post-it exercise  
Homework: Continue research: Prepare research data for Brain Dump exercise on 9/24 |
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<tr>
<th>Week</th>
<th>Date</th>
<th>Activity</th>
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</table>
| 6    | Tu 9/22 | Review Research progress with teams  
Homework: Continue research: Prepare research data for Brain Dump exercise on 9/24  
Reading 3 (see Canvas) |
| Th 9/24 | Discussion: Personas and Research Presentations  
In class activity - Post-it Brain Dump  
Homework: Develop insights and observations |
| 7    | Tu 9/29 | Insights and Observation review  
Video in class (Patricia Moore)  
Homework: Begin concept development (30+ concept sketches) for problem set you will be working on, prepare for mid-term review |
| Th 10/1 | Work in class: concept development  
Homework: Continue concept development & prepare for mid-term review |
| 8    | Tu 10/6 | **Mid-term critique - Part 1** (Team research to date & opportunities)  
(Everyone must have their presentation posted to Canvas web site by 6:00pm on Monday, 10/5. Keep in mind that it can take up to an hour to upload.)  
Homework: Choose opportunity area, 30 concept sketches |
| Th 10/8 | **Mid-term critique - Part 2** (Individual opportunity areas and 30 concept drawings)  
*Sketchbook collection*  
Homework: 30 more concepts, refine problem statement |
| 9    | Tu 10/13 | Discussion: Extreme Soft Goods - Pushing the boundaries  
Homework: Narrow to 5 concepts, prototype & sketch |
| Th 10/15 | Discussion: Alternative Materials (leather, plastics, wood veneer, etc.)  
Demo: Prototyping & Modelmaking |
| 10   | Tu 10/20 | Discussion: The Elevator Pitch - How to sell your idea  
In class activity  
Homework: Elevator pitch |
| Th 10/22 | Activity: Elevator pitch - concept reviews  
Work on sketches & prototypes  
Homework: Refine concepts & identify materials |
| 11   | Tu 10/27 | One on one project review, work in studio on sketches and prototypes |
| Th 10/29 | Pin-up & select final concept  
In class activity  
Homework: Concept refinement, - materials, prototypes and sketches for final |
| 12   | Tu 11/3 | One on one project review, work in studio  
Homework: Selected concept refinement- prototypes, sketches, materials,  
Reading 4 (see Canvas) |
| Th 11/5 | Pin up- (prototypes, sketches, materials)  
Homework: Refinement of final concept |
| 13   | Tu 11/10 | Demo: Finishing and details  
In class activity  
Homework: Refinement of final concept |
<p>| Th 11/12 | Discussion: TBD |</p>
<table>
<thead>
<tr>
<th></th>
<th>Tu 11/17</th>
<th>Work in Studio: Concept Refinement &amp; modelmaking</th>
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<tr>
<td></td>
<td>Th 11/19</td>
<td>Work in Studio: Final model &amp; presentation (desk critique)</td>
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<td>Model - Finished</td>
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<tr>
<td>15</td>
<td>Tu 11/24</td>
<td>Work in Studio: Final model &amp; presentation (desk critique)</td>
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<td>Th 11/26</td>
<td><strong>Thanksgiving Holiday - Campus closed - no class</strong></td>
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<tr>
<td>16</td>
<td>Tu 12/1</td>
<td>Work in Studio: Final model &amp; presentation (desk critique)</td>
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<td>Th 12/3</td>
<td><strong>Final Critique - Group A</strong> (Everyone must have their presentation posted to Canvas web site by 6:00pm on Wednesday, 5/6. Keep in mind that it can take up to an hour to upload.)</td>
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<td>Attendance is mandatory for all students.</td>
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<td></td>
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<td>(1) Final Model</td>
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<td>(2) Final Presentation boards. A minimum of 4 pages that are no smaller than 11x17 each (ideally, 13x19 which is a standard large format printer size). This presentation should include the following information:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(a) Images of your final design. Multiple views with callouts to explain key features.</td>
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<td>(b) Images of final design in use, in context.</td>
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<td>(c) Storyboard explaining key innovations.</td>
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<td>(d) Images of Ergonomics interaction</td>
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<td><strong>Homework: Final process book</strong></td>
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<tr>
<td>17</td>
<td>Tu 12/8</td>
<td><strong>Final Critique - Group B</strong> (Everyone must have their presentation posted to Canvas web site by 6:00pm on Wednesday, 5/6. Keep in mind that it can take up to an hour to upload.)</td>
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<tr>
<td></td>
<td></td>
<td><strong>Homework: Final process book</strong></td>
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<tr>
<td></td>
<td>Tu 12/15</td>
<td>Final Exam</td>
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<tr>
<td></td>
<td></td>
<td>8:15 - 9:30 Process Book and Sketchbook Collection</td>
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