DSGD 186 SEC 3  
DIGITAL APPLICATIONS: METHODOLOGY  
Fall 2015 | Tues & Thur | 8:00 - 10:50 am | IS Building 226  

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Office Hour: Tues & Thurs  
7:30 - 8:00 am / 3:00 - 3:30 pm  
(Or by appointment)  
Art Building 118

Catalog and Course Description  
This course will provide and expose students to the tools, skill sets, and languages that are essential to understanding the fundamentals for web based information and interaction design principles and discovery of its practice in the profession. Prerequisite: Pass BFA Portfolio Review, DSGD 102 and DSGD 110 Misc/Lab: Lab 6 hours.

Student Learning Objectives  
This is a studio-intensive course where projects will address the graphic design program Student Learning Objectives, to view please visit:  
http://www.sjsu.edu/design/design_programs/graphic_design_program/  

Critiques, work-in-progress discussions, and assigned project reviews form the basis for group discussions within this class. You will be encouraged to develop evaluative skills, and articulate them in the critique format. You will also be challenged to determine goals and to make observations and decisions that result in concise, informative, and engaging visual statements.

Course Content Learning Outcomes  
Upon successful completion of this course, students will be able to:

LO 1 Identify, and utilize the design elements for effective visual compositions;

LO 2 Apply interaction design principles and techniques

LO 3 Conduct design / user research. Utilizing research findings in design implementations.

LO 4 Develop an online design presence.

LO 5 Inculcate an industry-backed practice for self-learning and establishing personal capabilities in a professional design environment.

Recommended Texts/Readings  
A Designer’s Research Manual: Succeed in Design by Knowing Your Clients and What They Really Need (Design Field Guide) - by Jennifer Visocky O’Grady (Author), Ken O’Grady (Author)

The Designer’s Web Handbook: What You Need to Know to Create for the Web - by Patrick McNeil
Design+Code
https://designcode.io
Student discount - https://designcode.io/84hAdX738
Make sure you use your sjsu.edu email

iOS Human Interface Guidelines

Additional reading list will be provided throughout the semester

Library Resources (liaison) The San Jose State University Library supports student access to information with in-person reference at the King Library Reference Desk and specialized support for Design on-line at http://libguides.sjsu.edu/design or by appointment with Librarian Rebecca Kohn. She may be contacted at rebecca.kohn@sjsu.edu or 808-2007.

Required Software
• Adobe Creative Suite
• Sketch 3, bohemiancoding.com (Required)
  http://backend.bohemiancoding.com/store/edu/
• Web Design: Macaw.co (Highly Recommended)
  Educational Discount code: https://secure.macaw.co/code/SJSU2015
  Dreamweaver, Edge
• Prototyping tools: Xcode (Recommended)*,
  Origami: Quartz Composer (Recommended)*,
  Proto.io, Keynote, Aftereffects

The only required additional software for the course work is Sketch 3. Apart for that, you are able to complete course work using the tools provided in the Adobe Creative Suite. However, please note that due to variety of tools available in the market, and the constant changes to trends in the industry, the instructor MAY use tools and techniques that are not listed above. This will ensure you get the most updated and relevant tools and information at the point of instruction.

*Note: Xcode and Quartz Composer require an Apple Developer account, and an Apple computer. If you are using a Mac, please see Prof. Tan for more information on acquiring them.

Material and Software Requirements
• Wireless laptop computer
• Your own domain and web hosting service. Eg. www.yourname.com
• Appropriate type fonts
• Always have your working digital files, and research and reference materials
• Reliable data backup
• Wireless network access: https://sjsuone.sjsu.edu/
• Digital color printer (capable of 13x19 output if practical)
• Drawing implements and papers as in project description
• Clear push pins

Expenses Estimated cost for semester supplies/materials will vary according to the individual.
There is a $45 printing fee for this course to cover software licensing, printing consumables, and related infrastructure and includes 50 Black and White (8.5 x 11) or (11 x 17) and 30 color (8.5 x 11) or (11 x 17) prints.

You are required to purchase additional software not included in the Adobe Creative Suite. Sketch 3 ($50 with educational discount), and a prototyping tool of your choice. Web designing tool Macaw ($49 educational discount). You are also required to have your own domain (~ $10 / year) and web hosting service (~ $5 - $6 / month) for your online portfolio. These services may require upfront annual subscription. You may be qualified for an educational discount so check with your chosen vendor. These investments should last you through your senior year.

**Administrative Policies**

This course is an essential component of your curriculum at SJSU. We have a good amount of work to complete in this course. So, in order to professionally and effectively deliver the curriculum it is necessary to establish some ground rules. Students are expected to read this syllabus thoroughly and to observe all of the regulations laid out below.

**Classroom Protocol**

We are involved in a mutually beneficial communal learning experience, one that requires full attention and respectful behavior toward all members of the class. In order to maximize the learning experience, students are requested to observe the following etiquette guidelines:

- Students must take every step necessary to minimize distractions during class.

- Students are expected to arrive on time and to remain in class until the class is over, or excused. If you have a prior engagement that requires you leave before the end of class, please inform the instructor before class and take pains not to disturb other students when you leave.

- Announcements, handouts, and assignments are issued at the beginning of class. All critiques begin 15 minutes after official class start time; no work is to be added to the wall after a critique begins. It is your responsibility to inform yourself of any announcements or requirements that you miss due to late arrivals. Please do not interrupt class to ask about these. Remain after class if you have questions.

- Electronic devices not directly pertaining to your participation in this class must be turned off and put away before class starts. This means you may not place or receive calls, messages, play games, check e-mails, surf the web, pop into Facebook, Twitter, etc.

- Laptops are to be used for course related purposes only.

- Please do not eat during class.

- Socializing during lectures or when other students are presenting material for the benefit of the class is counterproductive and inconsiderate.
• No spray-mount adhesive spraying in the class.

• Do not use tabletops as a cutting surface.

• It is expected that there will be 1.5 to 2 hours of homework for each hour of class.

• Please request to join this Facebook group for readings, discussions and announcements. [https://www.facebook.com/groups/dsgd186/](https://www.facebook.com/groups/dsgd186/)

**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](http://info.sjsu.edu/static/catalog/policies.html). Add/drop deadlines can be found on the current academic calendar web page located at [http://www.sjsu.edu/academics/](http://www.sjsu.edu/academics/). The Late Drop Policy is available at: [http://www.sjsu.edu/aars/policies/](http://www.sjsu.edu/aars/policies/). Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the Advising Hub at [http://www.sjsu.edu/advising/](http://www.sjsu.edu/advising/).

**Grading Policy**

The project and course performance will be evaluated according to the following components. Each project will be graded upon completion and assigned a letter grade according to the University policy—A through F. An incomplete will be granted to students with documented extenuating circumstances e.g. debilitating illness, family emergency etc. Bases for the grading are:

- **Problem solving skills - LO 1~5**
  Planning, organizing, research and content gathering (message development), analysis, sketching and content integration.

- **Form-giving skills - LO 1, 2, and 3**
  Design exploration, development, and refinement. The synthesis of the elements, principles, and attributes of form into an effective, evocative product. The verbal/visual investigation of form and function.

- **Presentation skills - LO 4 and 5**
  The skill, dexterity, and attention to detail exhibited in presentation. The quality of line and form necessary for effective visual communication.

- **Participation and Preparation – LO 3, 4 and 5**
  Producing appropriate solutions to all required phases of development on projects both in quality and quantity. Engaged in class critiques and activities.
**Grading Scale**

**A-, A, A+ = Excellence (3.7–4.0)**
Student consistently delivers creative and high quality work and demonstrates the ability to explore a wide range of alternative options as well as the ability to make intelligent and informed decisions on the final solution. Student is able to refine final solutions to instructor feedback. Student shows the ability to communicate ideas clearly and completely, both visually and verbally. Well-crafted and informed arguments support any and all design decisions. All projects are complete and on time. Student demonstrates a strong, engaged effort in work and in class. Student maintains at all times a positive attitude and commitment towards the profession, classmates, the instructor and their own development. Student participates in all regularly scheduled classes. Overall, student meets and exceeds the requirements of the course.

**B-, B, B+ = Very good work (2.7–3.6)**
Student demonstrates an above average effort in all areas. Work is complete and demonstrates no craft or technical problem areas. Student shows the ability to communicate decent rationale for design decisions and demonstrates improvement in all areas of professional development as a designer. Student maintains a positive attitude and involvement in all coursework and class activities.

**C-, C, C+ = Adequate, average work (1.7–2.6)**
Student produces the minimum work required at an average quality level and provides basic explanations for design decisions. Student demonstrates a basic understanding of the principles presented in class and may have some craft and technical problem areas. Student demonstrates average participation in all regularly scheduled classes.

**D-, D, D+ = Poor work and lack of effort (0.7–1.6)**
Student produces the minimum work required at below average quality and demonstrates little understanding of the principles.

**F = Failure to meet the course requirements (0.0–0.6)**
Student demonstrates a lack of understanding of the basic principles discussed in class and is unable to convey creative and craft and technical ability as required. Student has little or no involvement in class discussions, repeatedly misses deadlines or critiques, and demonstrates little commitment to learning and their own development. Student shows little participation and/or is consistently late for class.

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<th>Standard for letter grades</th>
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Semester grade will be weighted according to the following percentages

- Mini Assignment 1: **5%**
- Mini Assignment 2: **5%**
- Mini Assignment 3: **5%**
- Mini Assignment 4: **5%**
- Mini Assignment 5: **10%**
- Project 1: **30%**
- Project 2: **40%**
Important Notes about Grading

All assignments are graded, therefore you should do your best on them or your course grade will be adversely affected.

It is very important to complete all of them because:

1) Each develops a skill necessary for successful completion of assignments
2) Missing a portion of these assignments can lower your course grade substantially

Participation Effect on Grading

Project grades will be assigned on a scale of 0 to 4, corresponding to the letter grades F to A as outlined in this document. Projects will be graded in the areas of concept, form, objectives, and execution. Projects must be turned in when due. One full letter grade per meeting will be deducted on late projects. On-time presentation of all preliminary roughs and final comps, as well as progress during in-class working sessions, will be noted towards participation (“on-time” means that work is on the wall or otherwise placed as requested prior to the start of any critique or presentation). Students missing only one of these deadlines will be rewarded by the addition of one-quarter point to their semester score. Missing three will cause the deduction of one quarter point; missing four, a deduction of one half point; missing six, of one point; and missing eight or more will result in a failure grade. Project scores are averaged and participation scores figured in. Due to the addition or subtraction of participation scores, project scores are not the only basis for semester grades.

Deadlines

During the regularly scheduled Final Exam day and time is when you will submit the last project. No extensions will be given except in cases of documented emergencies, serious illness. If such a circumstance should arise, please contact the instructor as early as possible and be ready to provide documentation.

Late Assignments

It is essential that you keep up with the course work and submit all assignments in a timely manner. Assignments will lose a full letter grade for each day late. Graded assignments more than 3 days late will not be accepted. In such cases, a grade of zero credit will be entered.

Extra Credit

Out of general fairness to all students, there will be no opportunities for extra credit assignments given in this class.
### 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, located at [http://www.sjsu.edu/studentconduct/](http://www.sjsu.edu/studentconduct/), 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/studentaffairs/](http://www.sjsu.edu/studentaffairs/).

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 and or projects 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 (DRC) at [http://www.drc.sjsu.edu/](http://www.drc.sjsu.edu/) to establish a record of their disability.

#### Student Technology Resources
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. Additional 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.

#### Student Affairs
The Division of Student Affairs provides a wide variety of services – career development, health and wellness, campus life, leadership development, cross cultural experiences, disability resources, psychological counseling, student housing, recreation, and co-curricular events. If you are interested in learning more about the departments and opportunities and services, please visit [http://www.sjsu.edu/studentaffairs/](http://www.sjsu.edu/studentaffairs/).

#### SJSU Writing Center
The SJSU Writing Center is located in Room 126 in Clark Hall. It is staffed by professional instructors and upper-division or graduate-level writing specialists from each of the seven SJSU colleges. 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/](http://www.sjsu.edu/writingcenter/).

#### Peer Connections
The Student Services Center 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 Peer Connections website for more information at: http://peerconnections.sjsu.edu/.

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 Mentoring website is located at http://peerconnections.sjsu.edu/mentoring/.

Campus Emergency and Other Aid

Emergency call: Call to the police office at 911 or pick up a Blue light phones. Escort Service: 4-2222. “Individuals with disabilities may contact the Disability Resource center on campus, 924-6000, Administration building 110, for a variety of formats such as Braille, large print, sign interpreters, assistive listening devices, audio tape, and accommodations for physical.