

Parsons School of Design

BFA Communication Design

Creative Computing

PUCD 2126; CRN 3854

Fall 2017

Wednesdays, 7-9:40PM, 6 E 16th St, Rm 908

Instructor: Sam Brenner, brenners@newschool.edu

Class Website: <https://samjbrenner.com/ci/spring2018>

Course Description

This course serves as a complement to Core Studio Interaction. The assignments are build to work in tandem with the projects students are developing in the studio class. The lab is designed around a series of small workshops that teach beginning and intermediate interaction design through a hands-on engagement with HTML and CSS.

Learning Outcomes

By the end of the semester, students will be able to:

1. Apply skills in HTML
 - a. Standards: W3C, the World Wide Web Consortium: W3C recommendations as standards
 - b. Understand the difference between programming and markup
 - c. Title, Meta (keywords/descriptions); !DOCTYPE and Document Type Definition
 - d. HTML tags and the HTML Element Syntax including opening/closing tags, nested structures.
 - e. HTML Attributes: class, id, style, title
 - f. Headings, Paragraphs and Formatting
 - g. Links, lists, forms and images
 - h. The Box Model
 - i. HTML5 Semantic/Structural elements
 - j. HTML5 Media Elements
2. Apply skills in CSS
 - a. Cascading Style Sheets, their storage in external CSS files and reference in HTML
 - b. Styling backgrounds, text, links, lists and forms
 - c. Styling the Box Model: border, outline, margin, padding
 - d. Working with dimensions, positioning, display, floating and align
 - e. Color systems
 - f. Manipulating images with CSS
 - g. Using Webfonts
 - h. Using CSS to create interactive elements

- i. Media queries and responsive design
- 3. Understand the meaning of JavaScript/JQuery
 - a. Basic idea of JavaScript and JQuery
- 4. Prepare Images for the Web
 - a. Digital Image Formats - what are they for and how are they created professionally: GIF, JPG, PNG
 - b. Working for different resolutions
- 5. Understand Web Environments
 - a. Getting it online: Purchasing URL/Webspace
 - b. Use FTP to upload files
 - c. Use in-browser tools to troubleshoot and amend HTML/CSS
 - d. Search engine optimization
 - e. The role of content management systems / blog systems

Course Outline

This outline is subject to change. Please refer to the Studio syllabus for assignments and due dates.

Week	Date	Topic
WEEK 1	01-24	Intro Development Environment Github
WEEK 2	01-31	Review HTML, CSS, and the Web Inspector
WEEK 3	02-07	In-Class UI Exercise
WEEK 4	02-14	Box Model, CSS Layout, and the DOM
WEEK 5	02-21	Review JavaScript and User Events
WEEK 6	02-28	Work Day
WEEK 7	03-07	CSS Typography
WEEK 8	03-14	CSS Animation
WEEK 9	03-28	Responsive Design and Media Queries
WEEK 10	04-04	Work Day
WEEK 11	04-11	Location
WEEK 12	04-18	Device Orientation
WEEK 13	04-25	Work Day
WEEK 14	05-02	Work Day
WEEK 15	05-09	Work Day

Grade Calculation

Please refer to the Studio syllabus for grade weighting.

Materials

Students should come to every class with:

- A laptop computer with Atom (or alternative text editor), Google Chrome, and Github Desktop
- An account on Github.com
- A charger for the laptop
- Pen/pencil and a notebook

University Resources

The university provides many resources to help students achieve academic and artistic excellence. These resources include:

- The University (and associated) Libraries: <http://library.newschool.edu>
- The University Learning Center: <http://www.newschool.edu/learning-center>
- University Disabilities Service: www.newschool.edu/student-disability-services/

In keeping with the university's policy of providing equal access for students with disabilities, any student with a disability who needs academic accommodations is welcome to meet with me privately. All conversations will be kept confidential. Students requesting any accommodations will also need to contact Student Disability Service (SDS). SDS will conduct an intake and, if appropriate, the Director will provide an academic accommodation notification letter for you to bring to me. At that point, I will review the letter with you and discuss these accommodations in relation to this course.

Grading Standards

A student's final grades and GPA are calculated using a 4.0 scale. Please note that while both are listed here, the 4.0 scale does not align mathematically with the numeric scale based on percentages of 100 points.

A, 95-100: Work of exceptional quality, which often goes beyond the stated goals of the course

A-, 90-95: Work of very high quality

B+, 87-90: Work of high quality that indicates higher than average abilities

B, 83-87: Very good work that satisfies the goals of the course

B-, 80-83: Good work

C+, 77-80: Above-average work

C, 73-77: Average work that indicates an understanding of the course material; passable.

Satisfactory completion of a course is considered to be a grade of C or higher.

C-, 70-73: Passing work but below good academic standing

D, 60-70: Below-average work that indicates a student does not fully understand the assignments; Probation level though passing for credit

F, 0-60: Failure, no credit

Grade of W

The grade of W may be issued by the Office of the Registrar to a student who officially withdraws from a course within the applicable deadline. There is no academic penalty, but the grade will appear on the student transcript. A grade of W may also be issued by an instructor to a graduate student (except at Parsons and Mannes) who has not completed course requirements nor arranged for an Incomplete.

Grade of Z

The grade of Z is issued by an instructor to a student who has not attended or not completed all required work in a course but did not officially withdraw before the withdrawal deadline. It differs from an "F," which would indicate that the student technically completed requirements but that the level of work did not qualify for a passing grade.

Grades of Incomplete

The grade of I, or temporary incomplete, may be granted to a student under unusual and extenuating circumstances, such as when the student's academic life is interrupted by a medical or personal emergency. This mark is not given automatically but only upon the student's request and at the discretion of the instructor. A Request for Incomplete form must be completed and signed by student and instructor. The time allowed for completion of the work and removal of the "I" mark will be set by the instructor with the following limitations:

Work must be completed no later than the seventh week of the following fall semester for spring or summer term incompletes and no later than the seventh week of the following spring semester for fall term incompletes. Grades of "I" not revised in the prescribed time will be recorded as a final grade of "F" by the Office of the Registrar.

Divisional, Program and Class Policies

● Responsibility

Students are responsible for all assignments, even if they are absent. Late assignments, failure to complete the assignments for class discussion and/or critique, and lack of preparedness for in-class discussions, presentations and/or critiques will jeopardize your successful completion of this course.

● Participation

Class participation is an essential part of class and includes: keeping up with reading, assignments, projects, contributing meaningfully to class discussions, active participation in group work, and coming to class regularly and on time.

● Backing Up Work

Students are responsible for backing up their progress work using a solution of their choice (Google Drive, Dropbox, or Backblaze for example).

● Attendance

Parsons' attendance guidelines were developed to encourage students' success in all aspects of their academic programs. Full participation is essential to the successful completion of coursework and enhances the quality of the educational experience for all, particularly in courses where group work is integral; thus, Parsons promotes high levels of attendance. Students are

expected to attend classes regularly and promptly and in compliance with the standards stated in this course syllabus.

While attendance is just one aspect of active participation, absence from a significant portion of class time may prevent the successful attainment of course objectives. A significant portion of class time is generally defined as the equivalent of three weeks, or 20%, of class time. Lateness or early departure from class may be recorded as one full absence. Students may be asked to withdraw from a course if habitual absenteeism or tardiness has a negative impact on the class environment.

Whether the course is a lecture, seminar or studio, faculty will assess each student's performance against all of the assessment criteria in determining the student's final grade.

● Canvas

Use of Canvas may be an important resource for this class. Students should check it for announcements before coming to class each week.

● Delays

In rare instances, I may be delayed arriving to class. If I have not arrived by the time class is scheduled to start, you must wait a minimum of thirty minutes for my arrival. In the event that I will miss class entirely, a sign will be posted at the classroom indicating your assignment for the next class meeting.

● Electronic Devices

The use of electronic devices (phones, tablets, laptops, cameras, etc.) is permitted when the device is being used in relation to the course's work. All other uses are prohibited in the classroom and devices should be turned off before class starts.

● Academic Honesty and Integrity

Compromising your academic integrity may lead to serious consequences, including (but not limited to) one or more of the following: failure of the assignment, failure of the course, academic warning, disciplinary probation, suspension from the university, or dismissal from the university.

Students are responsible for understanding the University's policy on academic honesty and integrity and must make use of proper citations of sources for writing papers, creating, presenting, and performing their work, taking examinations, and doing research. It is the responsibility of students to learn the procedures specific to their discipline for correctly and appropriately differentiating their own work from that of others. The full text of the policy, including adjudication procedures, is found at

<http://www.newschool.edu/policies/#> Resources regarding what plagiarism is and how to avoid it can be found on the Learning Center's website:

<http://www.newschool.edu/university-learning-center/student-resources/>

The New School views "academic honesty and integrity" as the duty of every member of an academic community to claim authorship for his or her own work and only for that work, and to recognize the contributions of others accurately and completely. This obligation is fundamental to the integrity of intellectual debate, and creative and academic pursuits. Academic honesty and integrity includes accurate use of quotations, as well as appropriate and explicit citation of sources in instances of paraphrasing and describing ideas, or reporting on research findings or any aspect of the work of others (including that of faculty members and other students). Academic

dishonesty results from infractions of this “accurate use”. The standards of academic honesty and integrity, and citation of sources, apply to all forms of academic work, including submissions of drafts of final papers or projects. All members of the University community are expected to conduct themselves in accord with the standards of academic honesty and integrity. Please see the complete policy in the Parsons Catalog.

● Intellectual Property Rights: <http://www.newschool.edu/policies/#>

Making Center

The Making Center is a constellation of shops, labs, and open workspaces that are situated across the New School to help students express their ideas in a variety of materials and methods. We have resources to help support woodworking, metalworking, ceramics and pottery work, photography and film, textiles, printmaking, 3D printing, manual and CNC machining, and more. A staff of technicians and student workers provide expertise and maintain the different shops and labs. Safety is a primary concern, so each area has policies for access, training, and etiquette that students and faculty should be familiar with. Many areas require specific orientations or trainings before access is granted. Detailed information about the resources available, as well as schedules, trainings, and policies can be found at resources.parsons.edu.