

NYU Abu Dhabi
Communications Lab
IM-UH 1011 002
Spring 2024

Classroom: Arts Center (C3-112)

Time: Monday 08:30 AM - 9:45 AM, Wednesday 08:30 AM - 11:10 AM

Instructor: Dr. Evi Mansor

Email: evi.mansor@nyu.edu

Office:

Office Hours: By Appointment/Zoom

Prerequisites: None

Credit Hours: 4

NYUAD IM Comm Lab Code - [GitHub Repository](#)

NYUAD Arts Booking - [Equipment Center Checkout](#)

Course Description

Communications Lab is a production based course that surveys various technologies including web development, sound, 2D design, digital imaging, video, effects and animation. The forms and uses of these communications technologies are explored in a laboratory context of experimentation, collaboration, and discussion. Much of class time will be spent introducing and playing with equipment and software essential to media production and contemporary storytelling. Each technology is examined as a tool that can be employed and utilized in a variety of situations and experiences. Students will gain fundamental experience thinking, writing, and producing across a variety of media. The world wide web will serve as the primary environment for content delivery and user-interaction. Principles of interpersonal communications and media theory are also introduced with an emphasis on storytelling fundamentals, user--centered design, and interactivity. Outside of the classroom, students will work both individually and in assigned groups on a variety of assignments. Each major assignment will have a written and practical component. In sum, students will be expected to complete weekly readings, homework exercises, four major group assignments, and one final web portfolio project.

Course Learning Outcomes (Linked Program Learning Outcomes)

- Develop a fundamental skill set for producing media assets and writing across a variety of media forms (PLOs 5,6)
- Gain experience and confidence working with media production equipment and software (PLOs 5,6)
- Learn how to leverage production processes to take an idea and make it come to life (PLOs 5,6,7)
- Learn how to apply storytelling and user- centered principles towards media production, writing, interaction design, and web design and development (PLOs 2,3,6)
- Learn the fundamentals of client-side web development, specifically HTML, CSS and Javascript (PLO 5)

- Gain ability to design and develop web pages that communicate a story by leveraging media and web-based interactions (PLOs 2,3,5,6,7)
- Gain experience collaborating with others in both creative and technical processes (PLOs 7,8)
- The Program Learning Outcomes (PLO) are described below.

Teaching Methodology

This course takes a project-based active learning approach with the intention of providing students with as much hands-on experience as possible. Classes move quickly through each technology, first providing a theoretical foundation along with technical instruction, and then encouraging students to learn through play, experimentation, collaboration, and exploration. Individual classes will include lectures, discussions, examples, workshops, group work, and presentations. Outside of the class, students will engage in both individual and group work. Group collaboration is a fundamental component of this course. The overall intention is not mastery in any one domain, but meaningful and tangible exposure to a range of processes, technologies, and media.

Course Mission - L.E.G.S.

Learn -- skills, tools, processes, techniques, resources

Explore -- challenges, risks, failures, adventures, dreams

Grow -- advance, empower, progress, reflect, repeat

Share -- describe, document, communicate, contribute, participate

Grading

Grading Breakdown

Attendance: 10%

Class Participation: 10%

Homework: 10%

Major Assignments-: Projects (4x15%): 60%

Final Assignment: Final Project 10%

Grading Calculation

A 94+

A- 90 - 93.9

B+ 88 - 89.9

B 84 - 87.9

B- 80 - 83.9

Books

- Chris Crawford - "Interactive Storytelling"
- Scott McCloud - "Understanding Comics"

- Walter Murch - "In The Blink Of An Eye"
- Janet Murray - "Inventing the Medium"
- Neil Postman - "Amusing Ourselves To Death"

Equipment

- Laptops (IM)
- Sound Recorders (EC)
- DSLR Camera (EC)
- Green Screen Studio
- Storage Drive

Attendance

Attendance is mandatory. Every class builds off the preceding one so it is vital to be present and on time for every lesson.

Unexcused absences or habitual lateness will negatively impact both your final grade for the class and your attendance grade. If you are going to be late or absent, please email me in advance. If you have an emergency, please let me know as soon as you can.

More than one unexcused absence will result in a 5-percentage point drop in your attendance grade per absence. The attendance grade starts at 97.

After four unexcused absences, you will fail the class.

Technical Workshop attendance is absolutely mandatory. If you miss a technical workshop, you will not be allowed to use or check-out equipment. There are no exceptions to this.

Participation

Engaging in class discussions and offering advice, input, feedback, etc during class is a major part of your grade. Participating in class is helpful for me to get to know you as an individual and keep track of your progress. What is equally important is that it provides you and your classmates the opportunity to learn from each other through the sharing of failures, successes, and insights on the work you are doing.

All assignments must be turned in on time.

Be prepared to work in groups on the assignments

You are expected to present your work in class. Explaining your work to other people is a great way to better understand the material and answer questions for yourself.

Ask questions. If you do not ask questions, I can only assume you understand the material completely.

Academic Integrity

NYU Abu Dhabi expects its students to adhere to the highest possible standards of scholarship and academic conduct. Students should be aware that engaging in behaviors that violate the standards of academic integrity will be subject to review and may face the imposition of penalties in accordance with the procedures set out in the NYUAD policy.

Interactive Media Program Learning Outcomes

Upon completion of the major in Interactive Media at NYU Abu Dhabi, all students are expected to have fulfilled the following:

Research and Understanding: IM students will cultivate a substantive understanding of the past, present, and future landscape of Interactive Media.

Analytical Thinking: IM students will be challenged to answer fundamental questions relating to the field of Interactive Media.

Conceptual Thinking: IM students will develop conceptual skills through the use of computational and interactive media tools to create project-based work and project oriented research.

Critical Thinking: IM students will refine their critical thinking skills by analyzing and critiquing work in cultural, social, historical, ethical, and aesthetic contexts.

Technical Implementation: IM students will cultivate technical skills with contemporary media technologies to execute their coursework.

Creative Processes: IM students will gain the ability to explore, innovate, and realize creative ideas in multiple fields of inquiry and interest.

Organization and Communication: IM students will develop professional practices of delivering and sharing their work.

Collaboration: IM Students will gain experience in collaboration through active participation in group and team-based work.

Syllabus Overview

Week 1 - 01/22 - Introduction - 30MFF / Wireframing.

Week 2 - 01/29 - Web Fundamentals.

Week 3 - 02/05 - Web Design / Web Layout.

Week 4 - 02/12 - Web Interactivity. Connect2 & Editshare Workshop. Assignment #1: 30MFF Due (02/14) 30MFF Presentations.

Week 5 - 02/19 - Storytelling Fundamentals / Visual Design / Photoshop & Illustrator.

Week 6 - 02/26 - CSS Flexbox / Grid - JavaScript / JavaScript Libraries.

Week 7 - 03/04 - Responsive Design / p5.js. Assignment #2: Interactive Comic Due (03/06). Comic Presentations.

SPRING BREAK

Week 8 - 03/20 - Intro to Sound. EC Sound Equipment Workshop. Sound Workshop Audacity.

Week 9 - 03/27 - Sound Interactivity on the Web / Sound Theory and Design.

Week 10 - 04/03 - Intro Video Storytelling. EC Video Equipment Workshop. Assignment #3: Sound Project Due (04/03). Sound Presentations.

EID BREAK

Week 11 - 04/15 - Video Production / Video Editing / Video Effects / Video Interactivity. EC Video Editing Workshop.

Week 12 - 04/22 - CSS Transitions / Animations / Work Session. Assignment #4: Video Project Due (04/24). Video Presentations.

Week 13 - 04/29 - Portfolio Websites / Web Developer Tools.

Week 14 - 05/06 - Work Session. Course Review. Assignment #5: Portfolio Due (05/08). Portfolio Presentations.

Major Assignments

Week 4 - Assignment #1: 30MFF Due (02/14)

Week 7 - Assignment #2: Interactive Comic Due (03/06)

Week 10 - Assignment #3: Sound Project Due (04/03)

Week 12 - Assignment #4: Video Project Due (05/01)

Week 14 - Assignment #5: Portfolio Due (05/08)

Week 1

Mon 01/22 - Introduction

Class Introduction

- Class Introduction
- Student Introductions
- Lecture - Introduction
- Overview + Syllabus
- Work Examples
 - Comics
 - [The Boat](#)
 - [Crossing Divides](#)
 - [Bus Bunching](#)
 - Sound & Music Video
 - [I Miss The Office](#)
 - [Voyages - Travel Sounds From Around the World](#)
 - [What Song Are You Listening To? NYC](#)
 - [Baroque.me](#)
 - Video Editing & Visual Effects
 - [Saadiyat Sunset](#)
 - [This Is A Generic Brand Video](#)
 - [Screen Grab](#)
 - [Sour Music Video](#)
 - [Zach King Instagram Videos](#)
 - [The Wilderness Downtown](#)
 - Video Animation & Stop Motion
 - [Marcel the Shell](#)
 - [Deadline: Post-It Stop Motion](#)
 - [Dumb Ways to Die](#)

- Web Developer Portfolio
 - [Interactive Resume of Robby Leonardi](#)
- Resources
 - [Webby Awards](#)
 - [Natl. Film Board of Canada - Interactive](#)
 - [Web Kid - Interactive Journalism](#)
 - [Chrome Experiments](#)
 - [The Centrifuge Brain Project Mockumentary](#)

Homework - due before the start of the next class (01/24)

- **JOIN** Interactive Media Discord server #commlab.
- **PICK** one of the work examples above and write a couple of thoughts about it in *Brightspace -- Discussions* → *Week 1 – Work Examples Thoughts*. Due before start of next class.
- **READ** [Neil Postman - Amusing Ourselves To Death](#)
 - Write down some thoughts on the reading in *Brightspace -- Discussions* → *Week 1 - Neil Postman: Amusing Ourselves to Death*. Due before start of next class.
 -
 - To what extent did the author's vision turn out to be correct? How did it turn out to be wrong?
 - If one city (U.S. or not) was to be the icon of our technological age, what would it be?
 - What are some things that are harder to communicate online? What are some things that are easier?
- **READ** Web Tuts "[Introducing Wireframes to Your Design Process](#)"

Wed 01/24 – 30MFF / Wireframing

Discuss Homework

- Amusing Ourselves to Death
- Example work

30 Minute Film Festival

- Getting videos out of your phone:
 - USB cable (Android File Transfer for Android, iPhotos for iOS)
 - Upload them to Google Drive/iCloud
- Editing videos with:
 - [iMovie \(Mac\)](#)
 - [Microsoft Photos \(Windows\)](#)
 - Apps: [Splice](#)

Wireframes

- Lecture: Wireframe
- [Website Wireframe Beginner's Guide: Processes, Tools, & Examples](#)

Discuss Assignment #1 - Personal Website

Adobe XD Intro

- Recorded demo: [link](#)
- Transferring your sketches onto XD
- In the future, feel free to use XD to sketch out your wireframes
- NYUAD Public Computers / Software list

Homework - due before the start of the next class (01/29)

- **CHOOSE** how to make your wireframe. You can use Adobe XD (trial version or in the library), another tool, or make drawings by hand.
- **FINISH** a "Basic Wireframe" for your 30MFF World Premiere Site using Adobe XD, other software, or hand drawings. Be prepared to share your work next class. Submit your wireframe to Brightspace.
- **READ** Scott Murray's Interactive Data Viz "[Chapter 3 Technology Fundamentals](#)" (starting on page 15)

WEEK 2

Mon 01/29 - Web Fundamentals

Review Wireframes Homework

Web Development Fundamentals

- Lecture - Web Fundamentals
- Edu Links
 - HTML
 - W3 - [HTML5 Tutorial on W3C](#)
 - W3 - [HTML Tag Reference on W3C](#)
 - MDN - [Introduction to HTML](#)
 - MDN - [HTML Elements](#)
 - Web Platform - [The Basics of HTML](#)
 - HTML Dog - [HTML Tags](#)

- CSS
 - W3 - [CSS Tutorial on W3C](#)
 - MDN - [Getting Started with CSS](#)
 - Web Platform - [Getting Started with CSS](#)
- Videos
 - [Don't Fear the Internet](#)
 - Lynda.com - [HTML Essential Training](#)
- Interactive Tutorials
 - Codecademy - [HTML & CSS](#)
 - Khan Academy - [HTML/CSS Making WebPages](#)
- Example Code
 - [Comm Lab Code Examples GitHub](#)

Homework - due before the start of the next class (01/31)

- **DOWNLOAD**
 - [Atom](#) or [Visual Studio Code](#) or [Sublime Text 3](#)
- **EXPLORE** the "Edu Links" listed above
- **READ** [The Importance of Color, Font, & Icons"](#)

Wed 01/31 - Web Fundamentals Workshop

Workshop - Making A Web Page

- Recorded demo: [link](#)
 - Must include:
 - A title
 - A paragraph
 - A link
 - An image
- Embedding videos
 - [HTML Video \(W3Schools\)](#)
 - [HTML YouTube Videos \(W3Schools\)](#)
- Additional CSS Layout Resources
 - [Learn CSS Display Property in 4 Minutes \(inline vs block, div vs span\)](#)
 - [Learn CSS Position \(static, relative, absolute\) in 9 Minutes](#)
- Vertical Centering using Flexbox (Advanced)
 - [Centering Things with CSS Flexbox](#)
 - [Flexbox - align center screen \(Codepen\)](#)

Homework - due before the start of the next class (02/05)

- **START** building a web page with HTML and some CSS for your 30MFF World Premiere Site. We'll cover layout more next week, but for now get the main content into the page or pages (if you have more than one) and set up links. Think about what kind of interaction you want to happen. Be prepared to share your progress in class.

WEEK 3

Mon 02/05 - Web Design

Review homework

Web Design

- Lecture - Web Design Fundamentals
- Examples
 - [Paperplanes.world](#)
 - [Google - Jigsaw](#)
 - [Kickstarter](#)
 - [Air BnB](#)
 - [NY Times](#)
 - [LA Times](#)
 - [Liberation](#)
- Resources
 - [Internet Archive - Wayback Machine](#)
 - [Awwwards - Color Schemes](#)
 - [Creative Commons image search](#)
 - [Creative Commons images on Flickr](#)

Homework - due before the start of the next class (02/07)

- **READ** [Janet Murray - "Inventing the Medium"](#)
- **Add** your thoughts in *Brightspace – Discussion* → *Week 3 – Janet Murray*. Be ready to share your thoughts during the next class.
 - How can technologies affect the formation of cultures?
 - What are some of the challenges when it comes to designing for digital media?
- **READ** [CSS Positioning 101](#) (for technical resources just read and understand, no feedback necessary)
- **DOWNLOAD**
 - [GitHub Desktop](#)

- **WATCH**
 - [Learn CSS Display Property in 4 Minutes](#) (inline vs. block, div vs span)
 - [Learn CSS Position \(static, relative, absolute\) in 9 Minutes](#)

Wed 02/07 - Web Layout

Discuss Readings

- Janet Murray - [Inventing the Medium](#)

Web Development 2.0

- Lecture - CSS Styling
 - Fonts
 - [Google Fonts](#)
 - [Font Awesome](#)
 - Colors
 - [Paletton](#)
 - Layout
 - [CSS Positioning 101](#)
 - [Learn CSS Display Property in 4 Minutes](#) (inline vs block, div vs span)
 - [Learn CSS Position in 9 Minutes](#)
 - [Media Queries on W3C](#)
 - [Media Queries on MDN](#)
 - [Google - Responsive Web Design Basics](#)
 - [Google - Responsive Web Design Patterns](#)
 - Tips
 - [CSS Tricks - Full Page Background Image](#)
 - [CSS Tricks - Text on Image](#)
 - Templates
 - [HTML5 Boilerplate](#)
 - [Bootstrap](#)
 - [Bootstrap Tutorial](#)
 - Lecture references
 - [Modernizing Arabic Type for a Digital Audience](#)

Workshop

- **DOWNLOAD**
 - [GitHub Desktop](#)
 - [Additional GitHub tutorials](#)

- **UPLOAD** your website to GitHub pages
 - Create a GitHub account
 - [Video Demo](#)
 - [Create a GitHub Pages Website](#) and upload your work to it.

Homework - due before the start of the next class (02/12)

- **READ**
 - MDN [JavaScript Basics](#)
 - [JavaScript section of Ch.3 - Interactive Data Viz for the Web by Scott Murray](#)
- **WATCH**
 - [JavaScript video demo](#)

WEEK 4

Mon 02/12 - Web Interactivity

Intro to JavaScript

- Lecture - Intro to JS
- Data Types
- The Document Object
- Selectors & Click Events
- Conditionals
- JavaScript Resources
 - [Pierre's video demo](#)
 - [JavaScript For Cats](#)
 - Codecademy "[Build Interactive Websites](#)"
- JavaScript Examples
 - [Hide content - uses the correct coding style for our class](#)
 - [Toggle hide and show](#)
 - [HTML DOM animation](#)

Homework - due before the start of the next class (02/14)

- **ADD** some interactivity to your website
- **FINISH** Assignment #1
 - Submit a link to your GitHub Pages site using Brightspace.
 - Be prepared to show your work in class. Your presentation is limited to 10 minutes! Please prepare accordingly.

Wed 02/14 - EC Workshop (Mandatory attendance) / Assignment #1 Due

Present Assignment #1

- Each individual gets 10 minutes to present.

Discuss Assignment #2

Connect2 & Editshare Workshop

- [Connect2 equipment booking](#) (on-campus or VPN required)

Homework - due before the start of the next class (02/19)

- **READ** [Chris Crawford Ch.1 Storytelling](#). Add your thoughts to Brightspace – Discussions → Week 4 – Chris Crawford: Storytelling and be prepared to share during next class:
 - What is the point of storytelling?
 - What do you think of the author's distinction of pattern thinking and linear thinking?
 - What are some important components of stories?
- **CREATE** a story in 3 Images (a.k.a. the power of sequencing) - collect 3 images (your own photos, screen grabs, doodles, cut from magazines, etc) that "tell a story" in *TWO* different ways. Each version **MUST** have a beginning, a middle, and an end. Include your two different sequences of the images on Brightspace. Be prepared to share during next class.

WEEK 5

Mon 02/19 - Storytelling Fundamentals

Review Homework

- Discuss Readings
- Share 3 Image Stories

What Is A Story?

- Lecture - [Storytelling Fundamentals & Sequential Art](#)
- [The Significance of Plot Without Conflict](#)
- [Ira Glass - Storytelling Part 1 of 4](#)

Homework - due before the start of the next class (02/21)

- **READ** [Ch.1 through 4 of Scott McCloud's "Understanding Comics"](#) - (pick up your copy from the Bookstore if you haven't already)

Wed 02/21 - Visual Design

Introduction to 2D Design & Software

- Lecture - Intro to Digital Imaging

Workshop - Complete the Photoshop and Illustrator tutorials and assignments on your own time.

- Come work in the classroom (bring headphones for the video tutorials) or do it on your own time
- [Computer lab locations \(Creative Cloud\)](#)
- Login with a personal Creative Cloud account to unlock the full suite on the lab computer, and remember to log out of CC at the end
- If Creative Cloud is already signed in (e.g. Photoshop already works) make sure to sign out with Help->Sign Out and then sign in with your account
- You can contact [Academic Tech](#) with any issues
- Submit your work using Brightspace Assignments - once you've submitted it, you're done!

Photoshop - "Compositing Images"

- Watch the [Photoshop video demo](#)
- Composite two images with one another to make a new image. Submit the image using Brightspace.

Introduction to Illustrator

- Video demo here: [Illustrator Video Demo](#)
- Create an image using Illustrator
- Export that image as an SVG and put it on a page on the web. Add a link to your SVG page on Brightspace.

Adobe Creative Suite Resources

- Adobe Photoshop
 - [Create An Animated GIF in Photoshop](#)
 - [Open Source Alternative - GIMP](#)
- Adobe Illustrator
 - [MDN - SVG Getting Started](#)
 - [SVG Styling Properties](#)
 - Responsive SVGs
 - [How To Make SVGs Responsive](#)
 - [Making SVGs Responsive with CSS](#)

- Open Source Alternative - [Inkscape](#)
- SVG JS Libraries
 - [RuneJS](#)
 - [TwoJS](#)
 - [RaphaelJS](#)
 - [PaperJS](#)
 - [p5JS - SVG Library](#)
- [What Is InDesign?](#)

Homework - due before the start of the next class (02/26)

- **SUBMIT** Your Photoshop image and website with SVG using Brightspace.
- **READ** [Ch.5 through 9 of Scott McCloud's "Understanding Comics"](#)
- **EXPLORE** Adobe Suite Tutorial Video(s)
 - Adobe Illustrator
 - [How To Create Computer Peripherals \(this covers many basics\)](#)
 - [Design a Flat Hipster \(also covers many basics on creating and altering simple shapes\)](#)
 - [Adobe - Illustrator Tutorials](#)
 - [Tasty Tuts - Adobe Illustrator Tutorials](#)
 - [75 Best Adobe Illustrator Tutorials \(can select Beginner, Intermediate and Advanced\)](#)
 - Adobe Photoshop
 - [Adobe - Photoshop Tutorials](#)
 - [Tasty Tuts - Adobe Photoshop Tutorials](#) ○ [Lynda.com Tutorials - Adobe Illustrator & Adobe Photoshop Essential Training](#)
 - [Lynda.com Tutorials - Adobe Illustrator & Adobe Photoshop Essential Training](#)

WEEK 6

Mon 02/26 - CSS Flexbox / Grid

Review Homework

- Discuss Readings and progress on wireframes/scripts

CSS Flexbox

- Lecture - Flexbox

CSS Flexbox Examples

- CSS Flexbox
 - [A Complete Guide to Flexbox](#)
 - [Flexbox CSS in 20 Minutes](#)
 - [Flexbox Center \(Codepen\)](#)
 - [Flexbox - align center screen \(Codepen\)](#)
 - [Flexbox Playground \(Codepen\)](#)
 - [CSS Flex Responsive \(w3schools\)](#)
- CSS Grid
 - [CSS Grid Layout Module \(w3schools\)](#)
 - [Grid by Example - defining a grid \(video\)](#)
 - [CSS Grid example](#)

Homework - due before the start of the next class (02/28)

- **READ** [Rafael Rozendaal - Exhibition catalogue](#)
- **COMMENT** on one of Rafael Rozendaal's [websites](#)
 - Write down some thoughts in *Brightspace* – Discussions → Week 6 – Rafael Rozendaal: Exhibition Catalogue:
 - How does the title of the website relate to the visuals?
 - What kind(s) of emotion(s) and idea(s) are being expressed?
 - How is color, motion, sound, and interactivity used to convey these emotions/ideas?
- **START** Writing scripts and drawing storyboards / wireframes for Comic project.

Wed 02/28 - JavaScript libraries

Review Homework

- Share progress on the comics
- Discuss Readings

Workshop with parallax

- Scroll Animation Code [here](#)
- Make a webpage with a scroll animation, which tells a story. Add a link to your page to Brightspace Assignments.

Working with JS and libraries

- Video demo [here](#)
- jQuery - A JavaScript "DOM" Library

- [Intro to jQuery at W3C](#)
- [jQuery Selectors: The Absolute Basics](#)
- [jQuery API Documentation](#)
- [How jQuery Works](#)
- [Codecademy - jQuery Tutorial](#)
- [Animate On Scroll \(GitHub\)](#)

Resources

- [jQuery Scroll Path by Joel Besada](#)
- [Vertical Parallax Scrolling Firewatch \(JS only\)](#)
- [Rellax - Lightweight Vanilla JS Parallax Scrolling](#)
- [33 Enticing Scrolling Effects \(includes Animate Scroll, Scroll Path, and Skrollr\)](#)
- [JInvert Scroll](#)
- [Skrollr](#)
- [18 Stunning Parallax Scrolling Sites \(per Yousra!\)](#)
- [Parallax Scrolling \(parallax.js\)](#)
- [Parallax Scrolling from Scratch](#)
- [Flexbox Guide](#)
- [Lorem Ipsum Generator \(please use for prototyping only\)](#)
- [Virtual Computer Lab \(vcl.nyu.edu\) for access to Adobe Creative Suite](#)

Public Domain Images

- [Smithsonian Open Access](#)
- [MOMA Public Domain Images UK](#)
- [Raw Pixel Public Domain Images](#)
- [The Met Open Access](#)
- [Getty Images](#)
- [Digital Archive of Soviet Children's Book Illustrations](#)

Homework - due before the start of the next class (03/04)

- **MAKE** a webpage with a scroll animation, which tells a story. Submit a link to your page using Brightspace Assignments.
- **WORK ON** Images & Wireframes for Assignment #2. Start coding the layout of the website. You should have a basic coded version of your website ready for the next class.

WEEK 7

Mon 03/04 - Responsive Design / p5.js

Responsive Design

HTML Audio

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio>

Overview of [p5.js](#)

- [p5.sound](#)
- [Load and Play Sound](#)
- [Simple animation example](#)

CSS tip - absolute positioning inside relative

- [Absolute Positioning Inside Relative Positioning](#)

Homework – due before the start of the next class (03/06)

• **SUBMIT** your Comic Assignment link and documentation using Brightspace Assignments. Be prepared to present your work in the next class.

- Your presentation is limited to 10 minutes! Please prepare accordingly.

Wed 03/06 - Equipment Center Sound Workshop / Assignment #2 Comic Due

Present Comic Assignment #2

- Each group gets 10 minutes to present

Discuss Assignment #3

Equipment Center Sound Recording Workshop - Mandatory attendance

- Learn about sound recording equipment available from the EC
- Please be on time (in class and ready at the start of class)
- Sound equipment for our class
 - Zoom H4n audio recorder - [Manual](#)
 - 1x SD card 8GB or 16GB
 - 4x AA rechargeable batteries

- 1x La Crosse AA Charger
- 1x Universal Plug Adapter
- 1x Headphones
- 1x Mini-USB cable (for getting files off Zoom H4)
- **MAKE A GROUP** of 4 people for your sound assignment. The group CANNOT be the same as for the Comic project (*due 04/03*).
- **WORK** with your group to brainstorm ideas for your sound piece.
 - WRITE a rough script for your sound piece.
 - BEGIN making a list of what audio clips to record and collect.

Mon 03/11 - EXAM WEEK - NO CLASS

Wed 03/13 - SPRING BREAK - NO CLASS

Mon 03/18 - SPRING BREAK - NO CLASS

WEEK 8

Wed 03/20 - Intro to Sound

Introduction to Sound

- Lecture / Discussion - [Intro to Sound](#)
- Examples/Inspiration
 - Narrative
 - [NYU - Conversations with Andrew Hamilton](#)
 - [NPR - Story Corps](#)
 - [Kickstarter - Just the Beginning](#)
 - [The Sound of Stenciling](#)
 - Site Specific
 - [Janet Cardiff - Her Long Black Hair](#)
 - [Barbican Museum - Let's Take A Walk](#)
 - [Under the Clouds](#)
 - [Dear Architects: Sound Matters](#)
 - Maps
 - [Radiooooo](#)

- [Kyle McDonald - Spotify Serendipity](#)
 - Remix
 - [Little Children Movie Trailer Soundscape](#)
 - [Jaam - The Fresh Prince Remix](#)
 - [Girl Talk: All the samples](#)
 - [Untrue: the making of a masterpiece](#)
 - Sonification
 - [Sonify - WiFi](#)
 - [Brian House - Quotidian Record](#)
 - [Listen to Wikipedia](#)
 - Performance
 - [Beat Box with Siri](#)
 - [Orson Welles - War of the Worlds](#)
 - Programmatic
 - [Patatap](#)
 - [Jazz Computer](#)
 - [Chrome Music Lab](#)
 - [Various Others](#)
 - [Chrome Music Lab](#)
 - [Star Wars - Throne Room](#)
 - [Star Wars Minus Williams - Throne Room](#)
 - [What Is Foley?](#)
 - [Tom Waits - What's He Building](#)
 - [Napoleon XIV: They're Coming To Take Me Away](#)
- Alternate resource
 - [Vimeo Video School - How to Get Great Audio Without a Recorder](#)

Mon 03/25 – Sound Workshop (Audacity)

Please bring wired headphones for the Audacity sound editing workshop!

Sound Assignment Check-In

- Share project ideas

Software Resources

- [Audacity](#)
- [Audacity Tutorials](#)

- Resources
 - [Free Sound](#)
 - [Archive.org](#)
 - [Free Music Archive](#)
 - [CC Trax](#)

Workshop: Intro to Audacity

- Recorded demo: [link](#)
- Alternate recorded Demo: [Recording with Audacity \(18 minutes\)](#)
- Make a soundscape from your hometown
- Find [related files](#) in Github repo for Comm Lab.
- Finish and submit your soundscape before the next class (see homework below)

Homework - due before the start of the next class (03/27)

- **MAKE** a 60 – 90-second audio soundscape of your hometown and submit a link via Brightspace.
- **LOOK** over free audio resources
 - [Free Sound](#)
 - [Archive.org](#)
 - [Free Music Archive](#)
- **WATCH** [Kirby Ferguson's Embrace the Remix](#)
 - **WRITE** down some thoughts in *Brightspace – Discussions* → *Week 8 – Kirby Ferguson:*
 - Do you agree with Kirby Ferguson that everything is a remix? Why or why not?
 - In what ways might your own creative practice involve remix?
 - How does the fact that many works come in a digital form impact their role in remixing?
- **WORK** on your sound project
- **PREPARE** to share your sound project idea next class.

WEEK 9

Wed 03/27 – Sound Interactivity on the Web

Present Sound Project Ideas to the Class

Sound Interactivity on the Web

- Lecture / Discussion – Basic Sound of Web
- Video demo - [Basics of Audio Element, Using Tone.js](#)
- Example site
 - [Paul meets Siri](#)
 - [AudioExamples/Paul_Siri \(GitHub\)](#)

Resources

- JS Libraries
 - [p5 Sound Library References](#)
 - [HowlerJS Library](#)
 - [ToneJS Library](#)
 - [ToneJS Examples](#)
 - [Including ToneJS from CDN](#)
 - [Stuart Memo](#)

Homework - due before the start of the next class (04/01)

- **REVIEW** Interactive Audio Examples:
 - Pick a sound example from week 9 and write down some thoughts in *Brightspace – Discussions* → *Week 9 – Interactive Audio*:
 - What role does audio play in the purpose of these sites? What is it communicating?
 - If the piece you listened to wasn't interactive, what would an interactive version look like?
 - What modes of interaction result in hearing the audio, and how does that relate to the tone or feel of the site? In other words, what does that relationship do for the user experience?
 - (BONUS) Have you found an example of an interactive audio site that is particularly inventive or engaging? What makes it so?
- **WORK** on your sound project

Mon 04/01 – Sound Theory and Design / Sound Project Work Session

Bring headphones if working on lab computers

Work with your group (OK to work outside the classroom, e.g. recording sounds)

WEEK 10

Wed 04/03 – Introduction Video Storytelling / Video Equipment Workshop

Present Sound Assignment #3

Introduction to the Moving Image

- Lecture / Discussion - Video Fundamentals - Storytelling with the Moving Images
- More Examples/Inspiration:
 - [The Late Shift Movie & Bandersnatch](#)
 - [7 Deadly Sins](#)
 - [The Faith Project](#)
 - [The Source - Conversations with Doug Aitken](#)
 - [Do Not Track](#)
 - [In Limbo](#)
 - [The Wilderness Downtown](#)
 - [Performing Arts With Google + AFrame JS Library](#)
 - [Within Films 360 Films & Clouds Over Sidra](#)
 - [Bear71 An Interactive Documentary + Bear71 Web VR](#)
 - [A Way To Go VR Experience](#)
 - [Peanut Gallery Films](#)
 - Animation & Effects Examples
 - [Western Spaghetti](#)
 - [White Stripes - Button to Button](#)
 - [How To Make A Stop Motion Video](#)
 - [Animation with Overhead Transparency](#)
- Green Screen & Compositing - Inside Game of Thrones

Discuss Assignment #4 Video

Equipment Center Video Equipment Workshop - Mandatory attendance

- Learn about video recording equipment available from the EC
- Please be on time (in class and ready at the start of class)

- Video equipment for our class
 - 1x BlackMagic Pocket Camera
 - 1x BlackMagic Pocket Battery
 - 1x V-Lock Battery BMCC-4K/BMPC
 - 1x V-Lock Battery BMCC-4K/BMPC Adapter
 - 1x SD 64GB 95mb/s
 - 1x Multi CF SD Card Reader
 - 1x Lumix G Vario 7-14mm
 - 1x Lumix G 12-35mm
 - 1x Lumix G 35-100mm
 - 1x 58mm variable ND filter
 - 1x Screwdriver
 - 1x Sachtler FSB-6 Tripod OR Sachtler ACE TT Tripod
 - 1x V-Lock Charger (if you feel you need to shoot more than several hours of footage)

Homework - due before the start of the next class (04/08)

- **FINISH** your sound assignment
- **SUBMIT** a link to your sound assignment to Brightspace
- **PREPARE** a short presentation of your sound assignment (present in class)
- **WATCH** recorded [Intro to Premiere Pro](#)
- **BEGIN** a rough script for your video piece.
- **SKETCH** some storyboards and wireframes.
- **WATCH** [The Cutting Edge - The Magic of Movie Editing \(2:21 - 6:12\)](#)
- **READ (optional)** [Shinobu Hashimoto's account of writing the screenplay for Ikiru](#)

Mon 04/08 - Introduction Video Storytelling (cont)

Work Session

Homework - due before the start of the next class (04/15)

- **REVIEW** work examples
 - [7 Deadly Sins](#)
 - [Infinite Bad Guy](#)
 - [Infinite Bad Guy tech](#)
 - Write down your thoughts in *Brightspace* – Discussions → Week 10 - Video Work:
 - How is user interaction designed to organize the experience (Infinite Bad Guy) or content of the site (7 Deadly Sins)? How does the interaction make the user a part of the experience (what role do they have)?
 - What might be another way to organize the content in 7 Deadly Sins? or Infinite Bad Guy?

- **WATCH** Every Frame Is A Painting "[Akira Kurosawa - Composing Movement](#)"
 - **WATCH** Lewis Criswell "[Colour In Storytelling](#)"
 - **WORK** on Assignment #4
 - FINALIZE script and storyboards.
 - CREATE shot list.
 - START SHOOTING video and audio.
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Wed 04/10 – EID BREAK - NO CLASS

WEEK 11

Mon 04/15 - Video Production / Video Editing / Video Effects

Stages of Video Production

- Lecture - Stages of Video Production (accompanying slides for the video lecture, includes links to youtube videos shown)

Discuss

- *IKEA Commercial - in-class analysis of composing and editing for storytelling purposes* [[Link to YouTube video](#)]
- *A Social Distance* [[Link to Vimeo video](#)]

Resources

- [The Art of Editing in The Good, the Bad, and the Ugly](#)
- Lynda.com - [Foundations of Video - The Art of Editing](#) - sign in with organization account
- [Adobe Premiere CC Keyboard Shortcuts](#)
- Robert Castillo's "S.P.I.C. The Storyboard of My Life" - [The Bottle Incident](#) & [The Bread Mess](#)
- Vimeo Video School "[An Introduction to 3 Point Lighting](#)"

Editing with Premiere

- Recorded demo [here](#)

- Create an edit by using footage from Editshare, [downloading videos from youtube](#) or from [stock footage](#) or from footage you already have
 - Theme: *WHY*
 - Between 30 and 120 seconds, at least 6 different clips
 - Submit your video to Brightspace

Animating with After Effects

- Recorded lecture [here](#)

Resources - Animation and Visual Effects

- General
 - [Adobe After Effects Tutorial Page](#)
 - [Learn After Effects In 20 Minutes](#)
- Character Animation
 - [Puppet Tutorial - Animate A Person](#)
 - [Character Animation With A Photoshop File](#)
- [Motion Tracking](#)
- [Rotoscoping to create clone of character](#)
- Green Screen with Garbage Matte
 - [Using A Green Screen](#)
 - [After Effects Garbage Mattes](#)
 - [Advanced Green Screen - Building Fall](#)
- [Basic Typography & Motion Graphics](#)
- [Vimeo Scary Special Effects Part Boo](#)
- [Tutorial: Getting Started with Content-Aware Fill \(object removal\)](#)

Homework - due before the start of the next class (04/17)

- **READ** [In The Blink Of An Eye](#) (pp.1-37, until "Afterword: Digital Film Editing") **ADD** some thoughts to *Brightspace – Discussions* → *Week 11 – In the blink of an eye*:
 - What does one have to keep in mind when editing a movie?
 - What goes into choosing, and making a good cut?
 - Take a scene from a favorite movie (or commercial) and give examples of where it is using one of the Six Rules for a cut.
 - What might a "blink" be in a web-based interactive piece?
- **WATCH (OPTIONAL)** [How Star Wars was saved in the edit \(YouTube\)](#)
- **SUBMIT** your completed WHY video to Brightspace

Wed 04/17 – Video Interactivity / Video Editing Workshop

Review "Why" Videos

Review Reading

Video Interactivity

- [Lecture: Video Interactivity](#)

More Code Examples

- [Find code here](#)

Resources - Video on the Web

- [MDN: video file formats](#)
- [W3Schools Fullscreen Video](#)
- [Vimeo Help Desk](#)
- [Vimeo Player Parameters](#)
- [Vimeo SDK Reference](#)
- [YouTube Embed Parameters](#)
- [Controlling YouTube Videos with JS \(from 2015\)](#)
- [Plyr Media Player](#)
- [Plyr Github Link](#)
- [YouTube Fullscreen Background Demo](#)

Video Editing Workshop - Mandatory attendance

- Learn about video editing from the EC
- Please be on time (in class and ready at the start of class)

Homework - due before the start of the next class (04/22)

- **FINISH** SHOOTING video and audio.
- **BEGIN** editing video and audio.
- **CREATE** layout of website and interactions.

WEEK 12

Mon 04/22 - CSS Transitions + Animations

CSS Transitions

- [CSS Transitions \(w3schools\)](#)
- [transition \(CSS-Tricks\)](#)
- [Using CSS transitions \(MDN\)](#)
- [Using transitions to make JavaScript functionality smooth](#)
- [CSS Transitions + JS \(CodePen\)](#)

CSS Animations

- [CSS Animations \(w3schools\)](#)
- [animation \(CSS-Tricks\)](#)
- [Using CSS animations \(MDN\)](#)
- [animista.net - generate CSS animation code](#)
- [Trigger CSS Animation with JavaScript \(Codepen\)](#)
- [Trigger CSS Animation with jQuery \(Codepen\)](#)
- [Advanced: Controlling CSS Animations and Transitions with JavaScript \(CSS-Tricks\)](#)

Group work session

Homework - due before the start of the next class (04/24)

- **SUBMIT** your video production
- **FIX** all of the smallest issues
- **FINISH** website and interactions
- **ENSURE** your layout is responsive in all orientations and screen sizes
- **ADD** your completed site to Brightspace-Assignments->Assignment 4 Video
- **PREPARE** to present your work in class

Wed 04/24 – Work Session. Assignment #4 Video Production Due

Present Video Assignment #4

Homework - due before the start of the next class (04/29)

- **READ** [My Website is a shifting house next to a river of knowledge. What could yours be?](#)

- **ADD** your thoughts to *Brightspace -- Discussion --> Week 12 - My website is a shifting house*:
 - What are some of the metaphors the author uses for a website? What are some other metaphors we could use?
 - Are interesting websites only for/by artists? Why? Why not?
 - Take a look at the author's [Arena channel](#) and pick a quote. Why did you pick this one?
- **PICK** a personal website from the list and write down some thoughts in *Brightspace -- Discussions --> Week 12 - Personal websites*:
 - What kind of feeling do you get from the overall direction of the website? What kind of personality does it convey?
 - To what extent do you get a good grasp of which kind of person is the website's creator?
 - Are there any unusual aspects that you've found unique or interesting?

WEEK 13

Mon 04/29 - Portfolio Website

Discuss Final Assignment

Portfolio Websites

- Lecture - Portfolio Websites
- [10 Tips for Portfolio Websites](#)
- [Build and Deploy Portfolio Website Video Tutorial](#)

Personal Website Examples

- [Petra Cortwright](#)
- [Constant Dullaart](#)
- [Martine Syms](#)
- [aaron montoya-moraga](#)
- [Talia Cotton](#)
- [Jenna Sutela](#)
- [Julius Volz](#)
- [Chris Bolin](#)
- [Kohei Nawa](#)
- [Bruno Simon](#)
- [Laurel Halo](#)
- [Mina Kim](#)

- [Pat Shiu](#)
- [Bret Victor](#)
- [Agnes Cameron](#)
- [Laurel Schwulst](#)

Homework – due before the start of the next class (05/01)

- **READ** [Against A User-Hostile Web](#)
- **MAKE** wireframes for your portfolio site for both laptop and phone screens. You can draw your wireframe or use Adobe XD or similar tool.

Wed 05/01 – Web Developer Tools

Review reading - My Website is a shifting house / personal websites.

Responsive Web Design

- [Responsive design tutorial - Learn responsive web design in 5 minutes](#)
- [HTML Responsive Web Design](#)
- [Responsive Web Design - Introduction](#)

Web Developer Tools

- Lecture - Web Developer Tools
- [What are browser developer tools? \(MDN\)](#) - Firefox developer tools
- [Chrome DevTools Overview](#)
- [04_SimpleJavascript code example \(GitHub\)](#)

Work Session

WEEK 14

Mon 05/06 Other topics / Review

Other topics / Review / In-class Worktime
Portfolio work session

Homework – due before the start of the next class (05/08)

- **FIX** all of the smallest issues in your portfolio

- **ENSURE** your layout is responsive in all orientations and screen sizes
- **FINISH** Final Portfolio Assignment is due on 05/08.
- **ADD** your portfolio link to the Brightspace

Wed 05/08 - Final Class / Assignment #5 Portfolio Due / Course Review

Present Portfolio Assignment #5

Course Evaluation Form