

Spring 2020

DD 415-452: Web/Exhibit Development

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DD415, Web/Exhibit Development
Spring 2020 School of Art & Design, New Jersey Institute of Technology
Online Course

Instructor: Augustus Wendell wendell@njit.edu 646-339-1410

Syllabus

Course Description

This course introduces a modern web design and development workflow. Using HTML 5, CSS3 and Javascript 6 standards we will develop webpages of increasing sophistication during the course of the semester. It is assumed that we are starting this course with no existing programming or web development knowledge.

Course Objectives

- Develop a working knowledge of HTML 5
- Develop a working knowledge of CSS
- Develop a working knowledge of ES 6 (Javascript)
- Develop a comfort in implementing web javascript Libraries
- Develop a workflow for modern website design and development

BIBLIOGRAPHY

Required Software:

Brackets <http://brackets.io/>

Mozilla Firefox <https://www.mozilla.org/en-US/>

Filezilla <https://filezilla-project.org/>

Class Policies

Assignments:

Assignments are due at the date and time noted. Assignments that are not clearly labeled will not be accepted or graded. Late work will not be accepted.

Data Backups:

You are expected to keep multiple backups of all course data and to have your current project files available at all times during class time. Lost, unavailable or inaccessible data will not be a valid reason for project extensions or Incomplete grade issuance.

Academic Warning:

Students who do not complete and submit assignments on time and to a satisfactory standard will fail the class. It is the students responsibility to obtain missed assignments from other classmates and make up work in time for the next class.

Instructor Expectations

While this course introduces and uses several software packages, you should not rely only on this course to teach them to you. Make use of all available resources to learn the software, books, online help, instructors and fellow students.

Grading

10% Class Participation

60% Class Labs

30% Term Project

NJIT uses the following grades:

A/4.0 (superior)

B+/3.5 (excellent)

B/3.0 (very good)

C+/2.5 (good)

C/2.0 (acceptable)

D/1.0 (minimum)

F/0.0 (inadequate).

Kepler (CoAD Students only)

Project grading is not official until project deliverables have been uploaded in the proper format to the Kepler system. Failure to upload work to Kepler will result in an F for the course.

Weekly Outline

- Week 1 January 20: Course Introduction
Course Introduction, Web Infrastructure, Accessing NJIT Student Web Sites, Lab 1 assigned
- Week 2 January 27: HTML 5 Standard
- Week 3 February 3: HTML 5 Images and Links
- Week 4 February 10: HTML 5 Colors and Design
- Week 5 February 17: CSS 3 Standard
- Week 6 February 24: CSS 3 Flex
- Week 7 March 2: CSS 3 Flex
- Week 8 March 9: TBD
- Week 9 March 16: **Spring Break**

- Week 10 March 23: Adaptive + Responsive Design, CSS Grid
- Week 11 March 30: Adaptive + Responsive Design, CSS Grid
- Week 12 April 6: Introduction to Javascript: Console + Forms
- Week 13 April 13: Implementing Javascript Libraries 1: Lightboxes
- Week 14 April 20: Implementing Javascript Libraries 2: Parallax and Fading
- Week 15 April 27: Virtual office hours for final project development
- May 5th: Final Websites due by noon.