



HUDSON HIGH SCHOOL

Business Education department



Foundations of Web Design 2017–18 Course Syllabus

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Course Description

Site Development teaches you essential Web page development skills. You will learn to create sites using Hypertext Markup Language version 5 (HTML5) and Cascading Style Sheets (CSS). You will learn to write code manually, as well as use graphical user interface (GUI) authoring tools. You will also work with images, create hyperlinks, and add tables, forms, video and audio to your Web pages. Once certified, you have proven that you have foundational knowledge to develop basic Web sites. This certification is ideal for students and professionals who want a career in Web site design or marketing. Topics Include:

- Fundamental Web design with HTML5, CSS and JavaScript
- Hyperlinks, Web forms and tables
- Site design for mobile devices
- Image, audio and video editing
- Search Engine Optimization and Internet Marketing
- Content formatting with style sheets

Advanced students willing/wanting to further their certification path may choose to take Advanced HTML5/CSS3 Specialist. This course tests essential HTML5, Cascading Style Sheets (CSS) and JavaScript knowledge. These technologies, known as the Web development trifecta, provide Web pages that easily adapt to smartphones, tablets, gaming devices and smart TVs, as well as to traditional PCs. Furthermore, this course teaches deeper knowledge of HTML5 and CSS3, and thus assumes a certain amount of existing knowledge (such as basic HTML coding). This course is a natural step from our current CIW Foundations Site Development Associate (SDA) certification. Topics Include:

- Demonstrate advanced uses of the canvas element
- Implement JavaScript to create interactive pages
- Identify ways to determine browser compatibility for a page or device
- Implement HTML5 forms
- Use CSS3 to shape content on the page
- Design for mobile devices
- Implement HTML5 APIs
- Identify program flow issues in relation to JavaScript-based applications
- Design pages for a cloud-based storefront

Required Materials

- Writing Instruments (Pen, Pencil, etc.)
- Personal Email Account
- Google Drive Account (Provided to Students)
- Ability to Create Online Accounts (Certification Exam Center & Certification Process)

Grading Procedure and Evaluation Criteria

The following scale will be used to determine grades each quarter:
A (90 - 100), B (80 - 89), C (70 - 79), D (60 - 69), F (0 - 59)

Grade Distribution (subject to change)

Lessons and Data Files Performed	60%
Exams and Quizzes	40%
TOTAL:	100%

Tentative Schedule (subject to change)

Site Development Associate (SDA Certification)

L1 – Markup Language & Site Development Essentials	L6 – Web Forms
L2 – HTML5 Coding	L7 – Video, Audio, & Image Techniques
L3 – Cascading Style Sheets (CSS) & Graphical Elements	L8 – Extending HTML
L4 – Hyperlinks	L9 – GUI HTML Editors & Mobile Sites
L5 – HTML Tables	L10 – Web Development for Business

Advanced HTML5/CSS3 Specialist Certification (**FWD Advanced & JavaScript Students**)

L1 – HTML5 Essentials

L2 – Using CSS Technology

L3 – Intro to CCS v3

L4 – Using Advanced CSS Techniques

L5 – Intro to JavaScript

L6 – JS Events, Functions, & Methods

L7 – Using HTML5 APIs

L8 – Developing HTML5 Forms

L9 – Completing, Submitting User Forms

L10 – Designing for Mobile Devices

JavaScript Specialist Certification (**FWS Advanced Students**)

L1 – Introduction to JavaScript

L2 – Working w/Variables & Data in JS

L3 – Functions, Methods, & Events in JS

L4 – Controlling Program Flow in JS

L5 – The JS Document Object Model (DOM)

L6 – JS Language Objects

L7 – Developing Interactive Forms w/JS

L8 – JS Security

L9 – Custom JS Objects

L10 – Changing X/HTML on the Fly

L11 – JS Libraries

L12 – JS and AJAX

L13 – Debugging & Troubleshooting JS

Classroom, Grading and Attendance Policies

In order to ensure success in the classroom, students must attend class on a daily basis and submit assignments that are on time and complete. Classroom instruction will include both oral instruction and hands-on activities. Due to the electronic nature of this course, most assignments will be completed in class. If necessary, students will also have the opportunity to complete assignments outside of the classroom setting. Assignments turned in late will receive partial credit. If a student with an **excused absence** (noted with an admit received from Student Services) on the date an assignment was due, will be able to turn in an assignment for full credit upon return to class in accordance to Hudson High School's attendance policy. It is the student's responsibility to obtain all missed assignments.

Classroom Expectations and Rules

Please note that all District School Board of Pasco County AND Hudson High School rules will be enforced.

- Attendance is mandatory.
- Be prepared for class with the required materials each day.
- Please refrain from accessing games and websites unless directed by Mr. Fowler.
- Please refrain from misuse or abuse of classroom materials, including, but not limited to, all equipment, furniture, etc. Abuse of computer and classroom equipment will not be tolerated. A grading penalty will be assessed if such abuse occurs.
- Please do not consume food or drinks in the classroom.
- Mr. Fowler will direct the use of computers or either printer.
- Students may not change or modify ANY settings on the computers. This includes screen savers, wallpapers, icons or any other general settings.
- Students may only use personal technology, i.e. cell phones, MP3 players, iPods, iPads, when directed by Mr. Fowler. Otherwise, students should refrain from use while in the classroom and especially during instruction.

Tardy Policy

Students must be in the classroom and ready for instruction when the bell rings. Students are to adhere to the Hudson High School policy without exception.

Academic Dishonesty

Academic dishonesty—including plagiarism, cheating or copying the work of another, using technology for illicit purposes, or any unauthorized communication between students for the purpose of gaining advantage during classroom assignments or examinations—is strictly prohibited. This covers all class-related tests, quizzes, reports, class assignments, and projects, both in and out of class. Consequences will include, but are not limited to zero on the assignment and/or project, parent notification, discipline referral, etc.

Classroom Procedures

Submitting Assignments – Students should identify ALL work and assignments they submit with their name, date and period indicated on each sheet of paper. This is for both handwritten and electronic submissions. Failure to do so may result in a student not receiving proper credit for their work. Unless indicated, all handwritten work should be turned in to Mr. Fowler' inbox, located on the lower left corner of Mr. Fowler' desk. Assignments that are e-mailed must be submitted to ifowler@pasco.k12.fl.us or ifowler@hudsonhigh.org with student name, date, period and name of assignment in the subject line.

Hall Passes – Students must receive permission from Mr. Fowler or come to class with a pass from another teacher to leave the classroom for any reason. This includes, but is not limited to hall passes for the clinic, front office, Student Services, guidance, etc. Abuse of this procedure may result in a student not being able to leave the classroom during the class period.

Web Design Course Syllabus 2017–2018

Dear Student:

Your signature below indicates that you have read the course syllabus and understand what is required of you during this school year.

I am looking forward to a successful and rewarding year!

Print Student Name: _____

Student Signature: _____

Student ID#: _____