Welcome

Welcome to your Arcadia University course, CS107 – Web Site Development. This course examines the principles of web development from a technical standpoint. It is not a course in design, although it does touch on that area. After considering the relationship between design and function, students begin to write and demonstrate Web pages. Web pages will be implemented using raw HTML using Notepad ++, TextWrangler or a text editor of your choice. We will not be using code generators (such as Dreamweaver, Frontpage, WordPress or proprietary page builders because that would be like using a calculator when you should be learning your multiplication tables.) As the course progresses, the class will introduce more advanced HTML/CSS techniques and Javascript.

Required Materials

Prerequisite:
- A familiarity with Canvas or other Learning Management Systems as we will be using the system for Exams, Assignments, and the Syllabus

Textbook:
We will be using *HTML & CSS: design and build websites as well as JavaScript & JQuery: interactive front-end web development by Jon Duckett*. The books were published while HTML5 was being finalized, but they present the material in a very student friendly manner and address bad programming techniques that you may come across when trying to fix old websites. Articles on standards, web design and usability will be assigned throughout the course as supplements to our textbooks. Part of our goal will also be to develop the habit of keeping up to date with development trends and techniques so that your web development will stay fresh.
A Web Hosting Account:
I will create a subdomain and account for you for https://AUCS107.com. A Student with username TestStudent would use https://TestStudent.AUCS107.com/Unit1/Unit1.html.

You will also need:
- Access to a computer. Normally I would tell you to learn the lab hours if you didn’t have a computer, but distance education requires a computer with a microphone and camera.
- An Internet connection
- Notepad++ (or another editor of your choosing; there are many notepad replacements available)
- At least 2 browsers (Firefox, Chrome, Safari, or your favorite)

Evaluation

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90% to 100%</td>
</tr>
<tr>
<td>B</td>
<td>80% to 89%</td>
</tr>
<tr>
<td>C</td>
<td>70% to 79%</td>
</tr>
<tr>
<td>D</td>
<td>60% to 69%</td>
</tr>
<tr>
<td>F</td>
<td>Failure to complete required work</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Points</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>Assignments</td>
</tr>
<tr>
<td>120</td>
<td>Exams (132 possible with weekly extra credit point)</td>
</tr>
<tr>
<td>60</td>
<td>Final Project &amp; Presentation</td>
</tr>
</tbody>
</table>

Introduction
Old school computer programmers tended to shun light and contact with other human beings, but the web has allowed developers more contact with one another and the outside world. It has also changed the process of development into a much more collaborative and democratic process. This class will focus on collaborating to improve each other’s work. While collaboration is encouraged, the final product you create must be your own. Assignments which are copied from classmates or other sources will result in failing the course. As the class is online, our interactions will largely be through Emails, Discussion Board posts and Zoom sessions if you have questions or need clarification on any assignments.
Readings, Assignments, and Quizzes

We aren't meeting in a regular classroom, but you will still need to attend any online classroom sessions and do the weekly readings before starting your weekly assignment and exam as the answers will be found in the readings. Assignments and Quizzes are due by Sunday at 11:59 PM each week (that means before midnight). Late Assignments and Quizzes will be accepted no later than Wednesday of that week and will be reduced by 3 points. Quizzes are worth 10 points each and are done online. Each exam will be graded out of 11, I will adjust it out of 10 at the end of the semester.

Ex. Unit 3 dates: Assignment and Quiz due by 11:59PM on Sunday, February 7th but can be turned in up to 11:59PM on Wednesday, February 10th with 3 points taken off for being late.

Weekly Topics

Each unit is designed to last 1 week. If there is an issue with a certain topic or we need to look at a topic longer or that isn't in the list below, I reserve the right to adjust the schedule and topics (I will notify you of any changes and modify Canvas to reflect the changes).

Unit 1 : 1/25 - 1/31 – Course Introduction, Creating and Uploading your first HTML page
Unit 2 : 2/1 - 2/7 – HTML Process, Structure, and Design
Unit 3 : 2/8 - 2/14 – Text, Lists, and Accessibility
Unit 4 : 2/15 - 2/21 – Links, Images, Audio, and Video
Unit 5 : 2/22 - 2/28 – Tables and Special Markup
Unit 6 : 3/1 - 3/7 – Forms
Unit 7 : 3/8 - 3/21 - An Introduction to CSS and using CSS for Color and Text

SPRING Break/Preview : 3/16 - 3/18

Unit 8 : 3/22 - 3/28 – CSS Boxes, Lists, Tables, and Forms
Unit 9 : 3/29 - 4/4 – CSS Styling, Layouts, and Image Formatting
Unit 10 : 4/5 - 4/11 – An Introduction to Javascript
Unit 11 : 4/12 - 4/18 – Javascript Instructions and the DOM
Unit 12 : 4/19 - 4/25 - Javascript Events and Form Enhancements
Final Projects : 4/26 - 5/10 Projects will vary based on Student selection

Final Projects (each student will select from list below in a first come first serve basis)

1. Unicorn Ranch - you could add pegasus to the ranch as well, but you will need flight safety info.
2. Leprechaun Dating Site - keep in mind that it doesn't have any actual database behind it, you are just making the fake About, Why Choose Us, Success Stories, How We Match, Home pages etc.
3. Mythical Animal Butcher Shop - dragons, tofudabeasts, unicorns, and jobberwockies all delicious in their own right, but the perfect cut and carefully selected recipe will make all the difference
4. Mythical Safari - some big game hunters think that a lion head on their wall is a great trophy, that makes dragon hunters laugh
5. The Cartoon Cuttery - A Barbershop for the Animated Customer
Discussion Etiquette (using Discussion Boards or Collaborate)
In this course, I welcome dialogue that is open, thoughtful, and informed. Diversity of opinion is welcomed. However, each student must exercise respect for the thoughts and comments posted by others. If any posted comments are inappropriate or offensive, they will be removed from the forum and I will address the issue with the author. Observe the following guidelines:

- Never post, transmit, promote, or distribute content that is known to be illegal.
- Never post harassing, threatening, or embarrassing comments.
- If you disagree with someone, respond to the subject, not the person.
- Never post content that is harmful, abusive, racially, ethnically, or religiously offensive, vulgar or otherwise potentially offensive.

School Closings
School closings due to inclement weather will be announced via MyArcadia, email, and KYW. As this is an online class, due dates will not be moved due to inclement weather unless it impacts internet access or the availability of the Arcadia servers or Canvas.
Title IX

Arcadia University is committed to ensuring a safe and productive educational environment for all students. In order to meet this commitment and to comply with Title IX of the Education Amendments of 1972 and guidance from the Office for Civil Rights, the University requires faculty members to report incidents of sexual violence shared by students to the University’s Title IX Coordinator. The only exceptions a faculty member’s reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project.

Information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence is set forth at https://www.arcadia.edu/university/offices-facilities/office-equity-and-civil-rights/title-ix.