 A05WEB001A- Web Development Fundamentals   
 **Course Description:**

This course introduces students to the Computer Science fundatmentals and the World Wide Web. Students will learn about HTML 5,CSS 3 and core JavaScript. This course is based on hands on and at the end of the course, students should able to create their own websites from scratch. They will also work on individual and group projects.

Saturdays: Class meets in room E301 (E building)

Time: 9:00am – 4:00pm

The class will meet for 12 sessions.

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|  | **Topics** |
| 1st class | * Class overview, objectives and introduction. * Introduction to IDE * Intro to HTML tags and elements, CSS |
| 2nd class | * History of web * HTML document structure * CSS – where to |
| 3rd class | * CSS backgrounds * CSS Borders, Margins, Padding * CSS Box Model * Task: creating a functional navigation bar |
| 4th class | * Terminal, git, github * Task: git push to github repo |
| 5th class | * Useful html tags * CSS position, display, float * Wireframe Structures, Site Map, and Mockups * Task: Creating an responsive image galary |
| 6th class | * Basic JavaScript * Mobile first * Responsive web design * Testing/debugging * Frameworks – JavaScript and CSS |
| 7th class | * Links, Lists, and Layout * CSS Sprites, Media Queries * Tables * Task: using media query to built responsive site |
| 8th class | * Bootstrap * Bootsrap grid * Task: Using bootstrap grid system for responsive site |
| 9th class | * Intro to Forms * HTML 5 Forms Controls * Task: portfolio site - I |
| 10th class | * Getting your site online * Embedding content (Videos, etc.) * Task: Portfolio site - II |
| 11th classs | * CSS Flexbox, CSS Box sizing * SVG * Project/Portfolio Presentations |



Class Website: Slack, TBA

* Course: Web Development Fundamentals

Textbook (Optional)

# Web Development and Design Foundations with HTML5 by [Terry Felke-Morris](http://www.amazon.com/s/ref=dp_byline_sr_book_1?ie=UTF8&text=Terry+Felke-Morris&search-alias=books&field-author=Terry+Felke-Morris&sort=relevancerank) (Author)

**Class Schedule**

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| Course | Days | Time |
| Web Development Fundamentals | Sat | 9:00 am – 4:00 pm |

**How to Contact the Instructor?**

|  |  |
| --- | --- |
| **E-mail Address:** | **Sahamed@lagcc.cuny.edu** |

**LaGuardia Community College: ATTENDANCE POLICY**  
**COME TO CLASS AND BE ON TIME!** You are allowed three unexcused absences or the semester. More than three unexcused absences will result in an automatic failure for the course. Three late arrivals without a credible reason will count as once absence. Class work must be turned in on time. Late work will be penalized!

Note:Absences are counted from the first day of class even if they are a result of late registration or change of program.

Missed Classes: You are responsible for obtaining material, which may have been distributed on class days when you were absent. Please network in class so you can count on a classmate(s)

Class Etiquette:

Please be respectful of your instructor and the other students in the course. Students are expected to refrain from any and all disruptive behavior. This includes, but is not limited to, excessive talking, forgetting to turning off cell phones, or arriving to class very late.

Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project and failure in the course.