

Inter-American University of Puerto Rico
Metropolitan Campus
Faculty of Science and Technology
Department of Computer Science and Mathematics
Baccalaureate Computer Science

I. GENERAL INFORMATION

Course Title : DEVELOPMENT OF WEB PAGES
Code and Number : COMP 2025
Credits : Three (3)
Academic Term :
Teacher :
Business hours :
Office telephone :
Email :

II. DESCRIPTION

Discussion of design concepts and development of Web pages. Application of HTML and JavaScript languages together with CSS for the creation of Web pages. Creation and adaptation of multimedia elements to be used in interactive pages. It requires 45 hours of conference-laboratory. 3 credits

Competence:

Demonstrate knowledge of the fundamental concepts of computer science.

III. OBJECTIVES

It is expected that at the end of the course, the student can:

1. Discuss concepts of design and development of Web pages.
2. Apply the HTML and JavaScript languages together with CSS for the creation of Web pages.
3. Create and adapt multimedia elements to be used in interactive pages.
4. Demonstrate a responsible attitude of our discipline.

In this course the following competences are attended:

1. Apply the methodologies, tools and techniques for the planning, design and implementation of projects in the areas of Computer Sciences.
2. Communicate with property and correction orally and in writing.
3. Demonstrate the moral, ethical and legal values of the profession.

IV. THEMATIC CONTENT

- A. Know the editors of the HTML language.
 1. History of HTML editors
 2. Introduction to HTML
 - a. Numbered, unnumbered and definition lists
 - b. Internal and external links
 - c. Incorporate tables, images and videos
 - d. Design forms and incorporate the "meta elements"
- B. Creation of interactive pages.
 1. Creation of interactive pages using an HTML editor
 2. Publication of interactive pages
- C. Introduction to CSS
 1. Use of CSS
 2. CSS rules
 3. CSS incorporation to an interactive page
- D. Introduction to JavaScript
 1. Define what a Javascript is
 2. Incorporate a javascript to interactive pages.
 3. Integration of visual elements that use vector animation

V. ACTIVITIES

1. Lectures by the teacher
2. Practice exercises
3. Application exercises
4. Readings and supplementary exercises
5. Use of Total Quality and "Assessment" strategies:

- a. Reflection exercises (A)
- b. Cooperative learning (A, CT)

VI. EVALUATION

Tasks	Score	% of the Final Score
Short test 1	20	10
Short test 2	20	10
Short test 3	20	10
Short test 4	20	10
Short test 5	20	10
Assignments / Storyboard Project and Web page	100	25
Final Exam	100	25
Total	300	100

The grading system to be used will be established by the Inter American University of Puerto Rico:

100	-	90	A
89	-	80	B
79	-	70	C
69	-	60	D
59	-	0	F

VII. Special notes

A. Ancillary services or special needs

Any student who may require special assistance or ancillary services shall request the same at the start of the course or as soon as it becomes aware of the need, through the corresponding record in the Office of University Orientation. This process should be carried out through the corresponding record in the office of the Professional Counselor Jose Rodriguez, Coordinator of Services for Students with Disabilities. His office is located in the University Orientation Program on the first floor of the complex. Your e-mail address is: jrodriguez@metro.inter.edu

you can also call the following telephone: 787-250-1912, EXT. 2306

B. Honesty, Fraud and Plagiarism,

Dishonesty, fraud, plagiarism and any other inappropriate behavior with regard to the academic work constitute major infractions sanctioned by the General Rules of students. The infractions, in accordance with General Rules of students, can result in the suspension of the student from the University for a definite time of a year or permanent expulsion from the university, among other sanctions.

C. Use of electronic devices

Will turn off cell phones and any other electronic device that could disrupt the teaching and learning processes or alter the environment conducive to academic excellence. The pressing situations will be addressed, as appropriate. It bans the operation of electronic devices that allow access, store or send data during evaluations or tests.

D. Compliance with the provisions of Title IX of

the Federal Higher Education Act, as amended, prohibits discrimination on grounds of sex in any academic activity, educational, athletic or extracurricular activity, in any other program or employment, sponsored or controlled by an institution of higher education regardless of whether this is within or outside the premises of the institution, if the institution receives federal funds.

Pursuant to the federal regulations in force, in our academic unit has appointed a Coordinator for Title IX to provide assistance and guidance in relation to any alleged incident Establishing Discrimination Sex or gender discrimination, sexual harassment or sexual assault. You can communicate with the Auxiliary Coordinator Mr. George Rivera, Director of the Security Office at (787) 250-1912, ext. 2262, or e-mail grieverar@metro.inter.edu.

The Policy Document entitled Standards and Procedures for dealing with alleged violations of the provisions of Title IX is the document containing the institutional rules to channel any complaint based on this type of claim. This document is available in the portal of the Inter American University of Puerto Rico (www.inter.edu).

E. Materials required and Responsibility

This course requires that you bring a storage medium (Pen drive) during the period of all classes.

It is not the responsibility of the teachers, staff, provide a means of storage, nor assume any responsibility for the tasks stored in computers the Metropolitan Campus. It is required that the student to attend all class

periods and make any academic management in the complex, outside of the class.

It is the responsibility of the student to comply with the stipulated dates. If you miss an exam on the last day of classes can be replenished, the 10% of the note. You will only be able to replenish a review. The tasks are developed in the classroom so that at the end of the must submit. Tasks after closed not open so it should be sent as soon as it is done in the classroom by the tool. We will not accept tasks sent by email.

To clarify any issues with the Blackboard platform should contact the staff of the Center for Distance Learning. It is important to the Middle East. In this system any action not acceptable from the point of view of legal or ethical, can lead to a complaint against him. Carefully read the regulation of students and avoid embarrassing situations. The telephone number of the Metropolitan Campus is 787-250-1912. The communication should be directed to the following staff:

Prof. Jairo Pulido	jpulido@metro.inter.edu	Ext. 2387
Mr. Pedro Lugo	plugo@metro.inter.edu	Ext. 2318
Mr. Oscar Paredes	oparedes@metro.inter.edu	Ext. 2477

VIII. Educational Resources

Textbook

Niederst, J. (2012). Learning Web Design. 4Th ed. O'Reilly.

IX. Bibliography

Books

Eccher, Clint. (2011). Professional Web Design: Techniques and Templates. Course Technology PTR.

Morris, Terry. (2011). Web Development and Design Foundations with XHTML 5th ed. Addison-Wesley.

Willard, Wendy. (2010). Web design: a beginner's guide. McGraw-Hill.

White, Alex. (2011). The Elements of Graphic Design: Space, Unity, Page Architecture and Type. Allworth Press.

Thenewboston Electronic Resources. (N.d.) 5 HTML Tutorial.

[Http://www.youtube.com/playlist?list=PL081AC329706B2953&feature=plcp](http://www.youtube.com/playlist?list=PL081AC329706B2953&feature=plcp)
recovered from

W3Schools. (2013).

The revised [Http://w3schools.com/](http://w3schools.com/) recovered from the 1 November 2016
by Prof. Irma G. Alvarez Torres