2024 / 25

School of Science and Computing
+353 (0)51 302037
Eleanor.Reade@setu.ie
www.wit.ie/schools/science_computing

Ollscoil Teicneolaíochta an Oirdheiscirt

South East Technological University

Module Descriptor

Website Development 1 (Computing and Mathematics)

Website Development 1 (A13422)

Short Title: Website Development 1
Department: Computing and Mathematics
Credits: 5 **Level:** Introductory

Description of Module / Aims

This module introduces the student to the creation and development of web based applications. The student will become skilled in HyperText Markup Language(HTML) and Cascading Style Sheets(CSS), to enable the creation of a well structured aesthetically pleasing static website, while meeting accessibility compliance standards. The student will be able to enhance the layout of websites, using a CSS Framework.

Programmes

		stage/semester/status
COMP-0590	BSc (Hons) in Applied Computing (International) (WD_KACCM_BI)	2 / 4 / M
COMP-0590	BSc (Hons) in Applied Computing (WD_KACCM_B)	1 / 1 / M
COMP-0590	BSc (Hons) in Applied Computing (WD_KCOMP_B)	1 / 1 / M
COMP-0590	BSc (Hons) in Computer Forensics and Security (WD_KCOFO_B)	1 / 1 / M
COMP-0590	BSc (Hons) in Computer Science (WD_KCMSC_B)	1 / 1 / M
COMP-0590	BSc (Hons) in Creative Computing (WD_KCRCO_B)	1 / 2 / M
COMP-0590	BSc (Hons) in Software Engineering (WD_KDEVP_BI)	1 / 1 / M
COMP-0590	BSc (Hons) in Software Systems Development (WD_KDEVP_B)	1 / 1 / M
COMP-0590	BSc in Applied Computing (WD_KCOMP_D)	1 / 1 / M
COMP-0590	BSc in Information Technology (WD_KINFT_D)	1 / 1 / M
COMP-0590	BSc in Multimedia Applications Development (WD_KMULA_D)	1 / 2 / M
COMP-0590	BSc in Software Systems Development (WD_KCOMC_D)	1 / 1 / M
COMP-0590	Diploma in Computing with Security and Forensics (WD_BCSEC_SP)	3 / 1 / M
COMP-0590	Higher Diploma in Science in Computer Science (WD_KCOSC_G)	4 / 1 / M

Indicative Content

- Basic Document Construction(HTML features)
- Styling with CSS
- Use of a CSS Framework
- User Experience(UX) and website design
- Templating
- Deployment of a static website

Learning Outcomes

On successful completion of this module, a student will be able to:

1. Demonstrate the ability to create a well-structured static website using HTML.
2. Demonstrate the ability to present and control the format of web pages using CSS.
3. Develop a standards compliant accessible website.
4. Demonstrate the ability to enhance the layout of a website using a CSS Framework.
5. Deploy an aesthetically pleasing website.

Learning and Teaching Methods

- The module will be delivered in one lecture and in three hours of computer-based practicals each week.

Learning Modes

Learning Type	F/T Hours	P/T Hours
Lecture	12	6
Practical	36	18
Independent Learning	87	111

Assessment Methods

	Weighting	Outcomes Assessed
Continuous Assessment	100%	
In-Class Assessment	30%	1,2
Portfolio	70%	1,2,3,4,5

Assessment Criteria

<40%: Unable to interpret and describe key concepts of website development.

40%–49%: Be able to interpret and describe key concepts of website development.

50%–59%: Ability to discuss key concepts of website development and ability to discover and integrate related knowledge in other knowledge domains.

60%–69%: Be able to solve problems within website development by experimenting with the appropriate skills and tools.

70%–100%: All the above to an excellent level. Be able to analyse and design solutions to a high standard for a range of both complex and unforeseen problems through the use and modification of appropriate skills and tools.

Essential Material(s)

- "W3Schools." http://www.w3schools.com/

Supplementary Material(s)

- Castro, E. and B. Hyslop. *HTML and CSS: Visual Quickstart.* 8th ed. Berkeley: Peachpit Press, 2014.
- Felke-Morris, T. *Web Development and Design Foundations with HTML5.* 7th ed. London: Pearson, 2015.

Requested Resources

- Computer Lab: BYOD Lab