

<b>Module Title:</b>	Web Design Methods
<b>Language of Instruction:</b>	English
<b>Credits:</b>	10
<b>NFQ Level:</b>	6
<b>Module Delivered In</b>	No Programmes
<b>Teaching &amp; Learning Strategies:</b>	This is a lab based module. Students will learn from demonstrations and multiple choice quizzes. Students will partake in practical exercises, group critique, buddy programming, project meetings,
<b>Module Aim:</b>	Develop knowledge and competency in front-end web design technology, techniques and workflow.
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Design web interfaces using a design process that follows best practice.
LO2	Demonstrate proficiency in the application of HTML and CSS web standards.
LO3	Use the File Transfer Protocol (FTP) through FTP clients to upload and manage a website and all associated files on a remote server.
LO4	Demonstrate the use of a high level web authoring tool.
<b>Pre-requisite learning</b>	
<b>Module Recommendations</b>	
<i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
<b>Incompatible Modules</b>	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Requirements</b>	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
No requirements listed	

## Module Content & Assessment

### Indicative Content

#### Web Communications

Development of the World Wide Web. Standards Development and Browser Relationship. Mobile Web. Development tools.

#### HTML

Start and end tags, elements, composite tags, attributes, containers. Forms and layout options. Input types.

#### CSS

CSS syntax, selectors, properties, values, precedence. CSS box model. Compound selectors, ids, classes, advanced CSS selectors. External vs Internal vs Inline CSS. Media Queries.

#### Web Design

Design workflow. Design documents, organisational schema, wireframe, mockups. Contemporary design trends. User Experience (UX).

#### Scripting

Introduction to client-side scripting. Frameworks and libraries.

### Assessment Breakdown

%

Continuous Assessment

100.00%

### Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Create a website that displays specified content. The design separates content in HTML files and is formatted from a CSS file. Code must be commented appropriately. Upload the website to a remote server.	1,2,3	50.00	Sem 1 End
Project	Follow a process that includes organisational schema, wireframe and mockups to design a website that will display given content. Implement this design using a high level web authoring tool to create a responsive website. The website will be cross-browser compatible. All design graphics must be created by the student. Use advance targeting techniques in CSS to minimise the complexity of your HTML structure.	1,2,3,4	50.00	Sem 2 End

No Project

No Practical

No End of Module Formal Examination

**SETU Carlow Campus reserves the right to alter the nature and timings of assessment**

**Module Workload**

Workload: Full Time		
Workload Type	Frequency	Average Weekly Learner Workload
Lecture	Every Week	3.00
Total Hours		3.00

