

Module Title:	Media Systems
Language of Instruction:	English
Credits:	5
NFQ Level:	8
Module Delivered In	No Programmes
Teaching & Learning Strategies:	Lectures / Practicals. Lectures will introduce students to the theoretical content of the module, where theory will consistently be shown as applicable to projects through the demonstration of real world examples. Practicals will focus on the students ability to implement the theory by using the technologies designated by the lecturer.
Module Aim:	<ul style="list-style-type: none"> • To develop an understanding of Web development cycle • To develop a knowledge of content management systems • To develop the competence of working as web designer & developer • To develop a knowledge of the different stages in project development • To gain the latest skills needed to develop client systems • To create dynamic, design driven websites
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	An appreciation of the theory of client side processing by being able to (a) Argue the benefits of client-side processing (b) Analyse the benefits and disadvantages of client-side processing technologies (c) Appraise the suitability of client-side technologies to solve particular problems
LO2	Use client side processing to (a) Validate webforms (b) Dynamically create/change user interfaces (c) Asynchronously download data for forms
LO3	Develop a content management system by using the current industry standard open sourced CMS systems. Connect the CMS to various client needs, social media, dynamic content providers, analytic software, cloud storage and backup.
LO4	Perform a system analyst role to clients by (a) Conducting effective dialog with clients to analyse their systems (b) Gathering requirements from end-users for new systems (c) Choosing appropriate solution from a range of possibilities
LO5	Work as a creative web designer. Using design skills create effective web design solutions to a clients need. Assess, understand the client requirements, and design and develop an appropriate solution.
Pre-requisite learning	
Module Recommendations	
<i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements	
<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 Design & Development

Create dynamic and responsive websites, using the latest technologies. Understand the work flow need to create effective and well design websites. Using design skills to complete a web project from concept through GUI development, wireframes, and construction.

Content Management Systems

Deploy, design and maintain a CMS driven website for a client. Understand the process involved, from server deployment to user interface design and development. Use exiting HTML, CSS skills, to deliver a design that is functional, modern, and client driven Connect website with varying social media elements, depending on client needs. Understand the power of connected media, the ability to channel all media streams through the website while maintain the overall look and feel.

Cloud development & Storage

Understand the process behind cloud computing, the power and possibility that it has. Connect all developed website with various cloud backup systems, used for maintenance and deployment. Understand the possibilities of cloud storage and streaming of video and other digital assets.

Wed Design Research

Continue research into current trends, from both a design and technology point of view. Create websites that are styled appropriate to the clients and the sector they sit in. Create a continuation of the client existing branding and deploy this through all responsive elements, web, mobile app.

Assessment Breakdown	%
Continuous Assessment	100.00%

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	n/a	1,2,3,4,5	100.00	n/a

No Project

No Practical

No End of Module Formal Examination

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	n/a	1,2,3,4,5	100.00	n/a

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		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	Every Week	2.00
Total Hours		2.00

