Liverpool John Moores University

Title: Internet and Open Source
Status: Definitive
Code: **6004ELE** (120057)
Version Start Date: 01-08-2018

Owning School/Faculty: Electronics and Electrical Engineering
Teaching School/Faculty: Electronics and Electrical Engineering

Team	Leader
Paul Otterson	Y

Academic Level:	FHEQ6	**Credit Value:**	10	**Total Delivered Hours:**	36
Total Learning Hours:	100	**Private Study:**	64		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	12
Practical	24

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Report	Website Design Project	100	

Aims

Examine the technologies that are deployed to create modern web pages. Design and deploy client side web technologies. Utilise opens source libraries to create interactive page elements

Learning Outcomes

After completing the module the student should be able to:

1   Develop a website utilising hypertext mark-up and style sheet technology.
2   Utilise Javascript and the DOM to add functionality to static websites.
3   Integrate external libraries into a Web project.
4   Develop interactive web elements

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Website Design Project   1   2   3   4

Outline Syllabus

Requirements capture and analysis techniques. Storyboard to plan for user progression.

HTML tags and embedded and external style sheets, web-kit.
Variables, arrays, objects functions, iteration selection, events, DOM.
Open source External libraries.

Learning Activities

Lecture, demonstration and practical activities applying topics discussed.

Notes

This module introduces Web Design and Web Application Development utilising Client side technology.