

Module Documentation



TECH08014

Web Systems

Contents of this document are copyright of Galway Mayo Institute of Technology



TECH08014 Web Systems

Short Title	Web Systems		
Full Title	Web Systems		
Attendance	N/A	Discipline	TECHNOLOGY
Coordinator	Valerie Butler	Department	Business
Official Code	TECH08014	NFQ Level	08
		ECTS Credit	05

Module Description

This module will provide a solid foundation in the use and development in Content Management Systems and frameworks. Most websites deploy content management systems to leverage their superior ability to dynamically create, update and maintain systems with a vast amount of users.

Learning Outcomes

On completion of this module the learner will/should be able to

1. Appraise open-source content management systems
2. Install and host a Content management system
3. Explain how to install and manage content, workflow, and role-based security in a CMS environment
4. Create content
5. Analyze, design, plan, develop and test a content management solution

Teaching and Learning Strategies

Intellectual skills such as analysis, synthesis, evaluation and problem solving will be developed through discussion and reflective analysis during lectures

Practical skills will be developed through lab exercises where the above skills can be realised and demonstrated

Transferable/key skills will be developed from the above through engagement with real-world examples

Assessment Strategies

This module will be examined via continuous assessment, assessing the accumulation and the culmination of the knowledge and skills attained.

Repeat Assessment Procedures

A repeat lab examination - 3 hours

Assessment Facilities

a computer laboratory will be required to deliver the majority of this module

Module Dependencies

Prerequisite Modules

None

Corequisite Modules

None

Incompatible Modules

None

Indicative Syllabus

Content Management Systems

Content Management Systems versus hand coding a site

Working with a server-side database to create and manage websites.

Create and deploy websites using CMS

Creating and editing content and adding functionality

CMS programming principals

CourseWork / Assessment Breakdown

CourseWork / Continuous Assessment 100 %

Coursework Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
Continuous Assessment	1,2,3,4,5	40	Week 5
Project/Continuous Assessment	1,2,3,4,5	60	Week 12

End Exam Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
-------------	------------------	------------	-----------------

ACCS Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
------	----------	-------------	-------	-----------	----------------

Total Average Weekly Learner Workload 0.00 Hours

Open Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
------	----------	-------------	-------	-----------	----------------

Total Average Weekly Learner Workload 0.00 Hours

Distance Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
------	----------	-------------	-------	-----------	----------------

Total Average Weekly Learner Workload 0.00 Hours

Part Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
------	----------	-------------	-------	-----------	----------------

Total Average Weekly Learner Workload 0.00 Hours

Full Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Laboratory Practical	Computer Laboratory	Lab/Practical	3	Weekly	3.00

Total Average Weekly Learner Workload 3.00 Hours

Online Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
------	----------	-------------	-------	-----------	----------------

Total Average Weekly Learner Workload 0.00 Hours

Module Resources

Module Book Resources

Varkonyi, R. (2014), 'Drupal 8 Module Development', Packt Publishing

Burge, S. (2013), 'Drupal 7 Explained: Your Step-by-Step Guide', Prentice Hall

Module Alternate Book Resources

None

Module Other Resources

None

Module URLs

www.drupal.org

www.learnonline.gmit.ie

Additional Information

None

Approval Information

School Approval by Carmel Brennan on 02-04-2015

Academic Council on 02-04-2015

Programme Membership

Code	Intake Year	Programme Title
GA_BBISG_H08	201500	Bachelor of Science (Honours) in Business Information Systems