

Liverpool John Moores University

Title: WEBSITE ANALYSIS AND DESIGN
Status: Definitive
Code: **5009COMP** (102942)
Version Start Date: 01-08-2011

Owning School/Faculty: Computing and Mathematical Sciences
Teaching School/Faculty: Computing and Mathematical Sciences

| Team | Leader |
|-------------|--------|
| Mark Taylor | Y |

Academic Level: FHEQ5
Credit Value: 12.00
Total Delivered Hours: 36.00
Total Learning Hours: 120
Private Study: 84

Delivery Options

Course typically offered: Semester 2

| Component | Contact Hours |
|-----------|---------------|
| Lecture | 12.000 |
| Practical | 12.000 |
| Tutorial | 12.000 |

Grading Basis: 40 %

Assessment Details

| Category | Short Description | Description | Weighting (%) | Exam Duration |
|----------|-------------------|--|---------------|---------------|
| Report | AS1 | One individual piece of coursework that will involve the analysis, design and implementation of a website. | 100.0 | |

Aims

To evaluate a variety of techniques for website analysis and design.

To develop abilities in web development tools.

Learning Outcomes

After completing the module the student should be able to:

- 1 Evaluate and apply analysis techniques to determine the website user groups and the data entities required for a website, and their relationships.
- 2 Evaluate and apply design techniques to create website structures that support the identified website user groups, required data entities and their relationships, and provide appropriate website navigational structures.
- 3 Evaluate and apply design techniques to define the purpose, operation and functionality of a given web page with a website.
- 4 Use appropriate web development tools to develop websites.

Learning Outcomes of Assessments

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

| | | | | |
|------------------------|---|---|---|---|
| Website implementation | 1 | 2 | 3 | 4 |
|------------------------|---|---|---|---|

Outline Syllabus

Alternative website design approaches. Website requirements analysis. Website structural design. Website page design. Multi-user group website design issues. Maintenance issues in website design. Web development tools overview. Appropriate web development tools in detail.

Learning Activities

Lectures for presentation of website analysis and design techniques and appropriate web development tools.

Tutorials for analysis and design techniques and web development tools.

Lab sessions for exercises to develop skills in web development tools.

References

| | |
|------------------------|--------------------------------------|
| Course Material | Book |
| Author | Lengel, J.G. |
| Publishing Year | 2002 |
| Title | The Web Wizard's Guide to Web Design |
| Subtitle | |
| Edition | |
| Publisher | Addison-Wesley |
| ISBN | 0201745623 |

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| Course Material | Book |
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|------------------------|----------------------------|
| Author | Musciano, C., Kennedy, B. |
| Publishing Year | 1998 |
| Title | HTML: The Definitive Guide |
| Subtitle | |
| Edition | 3rd Edition |
| Publisher | O'Reilly & Associates Inc |
| ISBN | 1565924924 |

Notes

This module provides relevant and practical experience in analysis and design of websites, and the use of web development tools for producing websites.