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| Short Title: | Web Development 1 APPROVED |
| Full Title: | Web Development 1 |
| Module Code: | DMED H1013 |
| ECTS credits: | 5 |
| NFQ Level: | 6 |
| Module Delivered in | 3 programme(s) |
| Module Contributor: | Frances Murphy |
| Module Description: | The aims of this module are to provide learners with: an understanding of the technologies and processes involved in building web sites; the skills necessary to create web pages using HTML and CSS, and an appreciation of the role of web standards in the creation of usable and accessible content for the World Wide Web |
| Learning Outcomes: | |
| <i>On successful completion of this module the learner will be able to</i> | |
| <ol style="list-style-type: none"> 1. Distinguish between and describe practices for separating structural and presentational markup 2. Describe and categorise mark-up languages with examples 3. Describe and demonstrate how to create and style web pages, which conform with web standards | |

Module Content & Assessment

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| Indicative Content |
| HTML Structural Markup <ul style="list-style-type: none"> • Markup languages and the separation of structure from presentation • The HTML element, tags and attributes • The basic HTML document • HTML text mark-up (headings, paragraphs, lists, special characters, other text elements) • Adding images to web pages • The HTML link element |
| Presentational Markup with CSS <ul style="list-style-type: none"> • Use of style sheets • CSS concepts: rules, selectors and declarations • Text formatting and alignment with CSS • Colors and backgrounds • Units of measurement |
| Navigation <ul style="list-style-type: none"> • Vertical nav bars |
| Validation <ul style="list-style-type: none"> • Use HTML and CSS validation tools |

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| Indicative Assessment Breakdown | % |
| Course Work Assessment % | 100.00% |

| Course Work Assessment % | | | | |
|---------------------------------|---|--------------------------|-------------------|------------------------|
| <i>Assessment Type</i> | <i>Assessment Description</i> | <i>Outcome addressed</i> | <i>% of total</i> | <i>Assessment Date</i> |
| Lab work | Complete weekly lab sheets on HTML and CSS, based on lecture material | 1,2,3 | 20.00 | n/a |
| Project | Each student will create a website which demonstrates key skills | 1,2,3 | 80.00 | Sem 1 End |

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| No Final Exam Assessment % |
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| Indicative Reassessment Requirement |
| Repeat examination <i>Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.</i> |
| Reassessment Description practical examination |

ITB reserves the right to alter the nature and timings of assessment

Indicative Module Workload & Resources

Indicative Workload: Full Time

| Frequency | Indicative Average Weekly Learner Workload |
|------------|--|
| Every Week | 30.00 |
| Every Week | 30.00 |
| Every Week | 40.00 |

Resources

Recommended Book Resources

Jennifer Niederst Robbins, *Learning Web Design*, O'Reilly Media [ISBN: 1-4493-1927-0]

Supplementary Book Resources

Mike McGrath 2011, *HTML5 In Easy Steps, In Easy Steps* [ISBN: 9781840]

Mike McGrath 2013, *CSS3 In Easy Steps, In Easy Steps* [ISBN: 9781840785]

This module does not have any article/paper resources

Other Resources

Website: Internet resource

<http://www.codecademy.com/tracks/web>

Website: Internet resource

<http://www.w3schools.com>

Website: Internet resource

<http://htmldog.com>

Website: Internet resource

<http://www.webmonkey.com/tutorials>

Module Delivered in

| Programme Code | Programme | Semester | Delivery |
|----------------|---|----------|-----------|
| BN_DDME8_8 | Bachelor of Arts (Honours) in Creative Digital Media [240 ECTS credits] | 1 | Mandatory |
| BN_DDME8_7 | Bachelor of Arts in Creative Digital Media [180 ECTS credits] | 1 | Mandatory |
| BN_DDME8_XWC | Certificate in Creative Web Communication [Level 6 30 ECTS credits] | 1 | Mandatory |