APPROVED

# MMED M7004: UX Front-End Web Development

## Module Details

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|---|---|
| **Module Code:** | MMED M7004 |
| **Full Title:** | UX Front-End Web Development APPROVED |
| **Valid From::** | Semester 1 - 2020/21 ( September 2020 ) |
| **Language of Instruction:** | English |
| **Duration:** | 1 Semester |
| **Credits::** | 5 |
| **Module Owner::** | Adele Commins |
| **Departments:** | Unknown |
| **Module Description:** | This module provides a platform for learning popular UX/UI, interface design and responsive design techniques. It also allows students to apply programming principles into their websites to enhance the user experience. In addition, the module provides an opportunity for students to research into emerging trends and learn about current best practices in the UX/UI/Web design industry. |

| Module Learning Outcome | |
|---|---|
| *On successful completion of this module the learner will be able to:* | |
| **#** | **Module Learning Outcome Description** |
| MLO1 | Report on emerging trends in the web design and UX/UI industry. |
| MLO2 | Implement a popular front-end web framework to create a responsive website. |
| MLO3 | Apply CSS or SCSS and JavaScript to a web project to improve the aesthetics and user experience. |
| MLO4 | Deploy a web application to a remote server using FTP and describe the process. |

| Pre-requisite learning |
|---|
| ***Module Recommendations***<br>*This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named DkIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).* |
| No recommendations listed |

| Module Indicative Content |
|---|
| **Emerging trends**<br>Report on emerging design and technological web trends from industry. |
| **Research user behaviour**<br>Current user behaviour and market trends on the Internet. |
| **Web design appreciation**<br>Analysis of current and best practice websites for inspiration. |
| **Planning the process**<br>Project management for web design. |
| **Selecting plugins**<br>Demonstrate the selection process for sourcing, testing and integrating javascript and CSS plugins to a web project. |
| **File Transfer Protocol**<br>Explain how FTP works, the difference between SFTP and FTP. |
| **Responsive design techniques**<br>Show students how to apply breakpoints and media queries to make their application mobile friendly. |

## Module Assessment

| Assessment Breakdown | % |
|---|---|
| Course Work | 100.00% |

| Module Special Regulation |
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| |

**Assessments**

## Full Time On Campus

**Course Work**

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|---|---|---|---|
| **Assessment Type** | Presentation | **% of Total Mark** | 30 |
| **Marks Out Of** | 100 | **Pass Mark** | 40 |
| **Timing** | Week 4 | **Learning Outcome** | 1 |
| **Duration in minutes** | 0 | | |

**Assessment Description**
On a current / emerging trend in web design/UX/UI.

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|---|---|---|---|
| **Assessment Type** | Continuous Assessment | **% of Total Mark** | 60 |
| **Marks Out Of** | 100 | **Pass Mark** | 40 |
| **Timing** | Week 11 | **Learning Outcome** | 3 |
| **Duration in minutes** | 0 | | |

**Assessment Description**
Web design and development practical project.

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|---|---|---|---|
| **Assessment Type** | Written Report | **% of Total Mark** | 10 |
| **Marks Out Of** | 100 | **Pass Mark** | 40 |
| **Timing** | End-of-Semester | **Learning Outcome** | 4 |
| **Duration in minutes** | 0 | | |

**Assessment Description**
Short written report about the process needed to deploy a web application to a server.

No Project

No Practical

No Final Examination

| Reassessment Requirement |
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| **A repeat examination**<br>*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.* |
| **Reassessment Description**<br>100% CA |

## Module Workload

| Workload: Full Time On Campus | | | | | |
|---|---|---|---|---|---|
| *Workload Type* | *Contact Type* | *Workload Description* | *Frequency* | *Average Weekly Learner Workload* | *Hours* |
| Lecture | Contact | Lecture | Every Week | 1.00 | 1 |
| Practical | Contact | Work on project | Every Week | 3.00 | 3 |
| Independent Study | Non Contact | Research front-end web development tutorials on the Internet | Every Week | 3.00 | 3 |
| Directed Reading | Non Contact | Read books about responsive web design and web animations | Every Week | 1.00 | 1 |
| | | | | Total Weekly Learner Workload | 8.00 |
| | | | | Total Weekly Contact Hours | 4.00 |

| Workload: Part Time On Campus | | | | | |
|---|---|---|---|---|---|
| *Workload Type* | *Contact Type* | *Workload Description* | *Frequency* | *Average Weekly Learner Workload* | *Hours* |
| Lecture | Contact | Lecture | Every Week | 1.00 | 1 |
| Practical | Contact | Work on project | Every Week | 3.00 | 3 |
| Independent Study | Non Contact | Research front-end web development tutorials on the Internet | Every Week | 3.00 | 3 |
| Directed Reading | Non Contact | Read books about responsive web design and web animations | Every Week | 1.00 | 1 |
| | | | | Total Weekly Learner Workload | 8.00 |
| | | | | Total Weekly Contact Hours | 4.00 |

## Module Resources

*Recommended Book Resources*

**Zak Ruvalcaba & Mary Delamater. (2017), Murach's JavaScript and jQuery, 3rd edition. Mike Murach & Associates, p.620, [ISBN: 9781943872053].**

**Kirupa Chinnathambi. (2017), Creating Web Animations: Bringing Your UIs to Life, O'Reilly Media;, p.210, [ISBN: 9781491957516].**

**J.D. Rockefeller. (2016), Web Hosting Guide for Beginners, 1st edition. CreateSpace Independent Publishing Platform, p.26, [ISBN: 1539545393].**

*Supplementary Book Resources*

**Giner Alor-Hernández, José Luis Sánchez-Cervantes, Alejandro Rodríguez-González. (2019), Current Trends in Semantic Web Technologies: Theory and Practice (Studies in Computational Intelligence), 1st edition. Springer, p.292, [ISBN: 3030061485].**

**Kirupa Chinnathambi. (2016), HTML5 Canvas: From Noob to Ninja, 1st edition. CreateSpace Independent Publishing Platform, p.322, [ISBN: 1523978090].**

*This module does not have any article/paper resources*

*Other Resources*

**Website, Code drops tutorials,**
**https://tympanus.net/codrops/**

**Website, Unheap plugin repository,**
**http://www.unheap.com/**

**Website, Smashing Magazine,**
**http://www.smashingmagazine.com**

**Website, Bootstrap,**
**https://getbootstrap.com/**

**Website, CSS Tricks,**
**https://css-tricks.com/**