1. **z\Title of the module**

COMP7120 (CO712) Multimedia and Web Programming

1. **School or partner institution which will be responsible for management of the module**

School of Computing/Mid Kent College

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 5

1. **The number of credits and the ECTS value which the module represents**

15 credits (7.5 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Spring and Summer

1. **Prerequisite and co-requisite modules**

COMP4050 (CO405) Introduction to Object Oriented Programming (prerequisite)

COMP4020 (CO402) Information Systems and Tools (prerequisite)

1. **The programmes of study to which the module contributes**

Foundation Degree in IT, HND in IT; HNC in IT

1. **The intended subject specific learning outcomes.
On successfully completing the module students will be able to:**
2. Demonstrate a thorough knowledge and critical understanding of the established principles of an IT Professional and of the way in which these principles have developed.
3. Use programming languages, tools and packages expertly to show a detailed understanding of the structuring of data and information.
4. Deploy appropriate theory, practices and tools for the specification, design, implementation and evaluation of computer-based systems.
5. Communicate information, in a variety of forms, to specialist and non-specialist audiences.
6. Design and implement computer-based systems.
7. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**
8. Identify and analyse criteria and specifications appropriate to specific problems and plan strategies for their solution.
9. Use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis.
10. Manage their own learning and development including time management and organisational skills.
11. **A synopsis of the curriculum**

This module examines the main aspects of web development, this includes the design, implementation and testing of dynamic websites. It requires students to use a variety of tools, proprietary and non-proprietary web development tools, html coding, client side scripting and server-side scripting and server-side scripting in conjunction with database systems. Multimedia concepts and principles are introduced here in the field of web page design. This includes the consideration of aims directed at the target audience, and of user centred subjective testing.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

Web Design in easy steps, 6th ed, 2014; McManus S; In Easy Steps Limited.

Web Design with HTML, CSS, JavaScript and jQuery Set; 2014, Duckett J; Wiley.

Modern PHP: New Features and Good Practices; 2015; Lockhart J; O’Reilly.

Dreamweaver CS6 in easy steps; 2012; Vandome N; In Easy Steps Limited.

PHP and MySQL for Dynamic Web Sites; 2011; Ullman L; Peachpit Press.

JavaScript & jQuery; 2014; Duckett J; Wiley

1. **Learning and teaching methods**

Total contact hours: 70

Private study hours: 80

Total study hours: 150

1. **Assessment methods**
	1. Main assessment methods

Practical assignment 1 – 33 1/3%

Practical assignment 2 - 33 1/3%

Practical assignment 3 - 33 1/3%

13.2 Reassessment methods

Like for like

1. ***Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *8.4* | *8.5* | *9.1* | *9.2* | *9.3* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |
| **Private Study** | √ | √ | √ | √ | √ | √ | √ | √ |
| *Lecture* | √ |  | √ | √ |  | √ |  |  |
| *Laboratory* |  | √ |  | √ | √ |  | √ | √ |
| *Tutorial* | √ | √ | √ |  | √ | √ | √ | √ |
| **Assessment method** |  |  |  |  |  |  |  |  |
| *Written Assignments* | √ | √ | √ | √ | √ | √ | √ | √ |

1. **Inclusive module design**

The Partner Institution recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Mid Kent College (Maidstone)

1. **Internationalisation**

The topics addressed by this module relate to a field of international importance, given the global role of computer programming in today's technological innovation. The programming languages covered by this module are international, being identical worldwide and independent of traditional spoken language.

1. **Partner College/Validated Institution**

Mid Kent College

1. **University School responsible for the programme**

School of Computing

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**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
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Revised FSO Feb 2018