1. **Title of the module**

COMP4020 (CO402) Information Systems and Tools

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 4

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)**

Autumn and Spring

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

None

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. Discuss the established principles of an IT professional and of the way in which these principles have developed.
3. Use software tools and packages, and computer applications and appreciate the structuring of data and information.
4. Specify, design and implement computer-based systems.
5. Communicate information, arguments and analysis, in a variety of forms, to specialist and non-specialist audiences and deploy key IT techniques effectively.
6. Apply the principles of effective information management, information organisation, and information retrieval skills to information of various kinds.
7. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**
8. Carry out the modelling and design of computer-based systems in a way that demonstrates comprehension of the trade-off involved in design choices.
9. Analyse the extent to which a computer-based system meets the criteria defined for its current use and future development.
10. Use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis.
11. Recognise the qualities and transferable skills necessary to enhance on-going employability, i.e. requiring the exercise of personal responsibility and decision-making.
12. Understand and present cases involving a quantitative dimension.
13. **A synopsis of the curriculum**

This is an introductory module that explores the importance of information systems to organisations in maintaining competitive advantage. The technology (hardware, software and communications systems) to support various solutions is explored and students gain hands-on skills using spreadsheets, databases and web based systems throughout.

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

An Introduction to Information Systems; 2013; Whiteley D; Wiley

Developing Information Systems; 2014; Cox J and Ahmed T; BSC Learning and Development

Critical Thinking and Problem Solving; 2013; Butterworth and Thwaites; Cambridge International Exams

Excel 2013 for Dummies; 2013; Harvey G; John Wiley & Sons

Access 2013 Step by Step; Lamber J and Cox J; Microsoft Press

1. **Learning and teaching methods**

Total contact hours: 70

Private study hours: 80

Total study hours: 150

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

Written assignment 1 – 35%

Written assignment 2 – 35%

Examination (1 hr) – 30%

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* | *9.4* | *9.5* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |
| Private Study | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| *Lecture* | √ |  | √ | √ |  | √ | √ |  | √ | √ |
| *Laboratory* |  | √ | √ |  | √ | √ | √ | √ | √ | √ |
| *Tutorial* | √ | √ |  | √ | √ | √ |  | √ | √ | √ |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |
| *Written Assignments* | √ |  | √ | √ | √ | √ | √ |  | √ | √ |
| *Examination* | √ | √ |  | √ | √ |  | √ | √ | √ |  |

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 that is of international importance, given the global role of computers in today's technological innovation. The topics covered by this module are international in nature, 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) |
| 24/05/17 | Minor | September 2017 | 10-13 | No |
|  |  |  |  |  |

Revised FSO Feb 2018