

MODULE SPECIFICATION

- 1 **Title:** CO704 Intranet Project (CMK014)
- 2 **Department:**
Computing, Business & Management at Mid-Kent College
- 3 **Start Date:** February 2005 (Semester 3 of 4)
- 4 **Number of Students:** 15-20
- 5 **Modules to be withdrawn:** None
- 6 **Level:** Level I
- 7 **Credits:** 30 credits
- 8 **Semester:** Semesters 3 & 4 of 4 (Year 2)
- 9 **Prerequisites:** CO403/CMK013 Organisations and their IS Requirements
- 10 **Programmes of Study:** Foundation Degree in Information Technology
- 11 **Subject-specific learning outcomes:** students who successfully complete this module will be able to:
- Demonstrate an ability to apply underlying IT concepts and principles outside the context in which they were first studied, including, where appropriate, the application of these principles in an employment context (A2)
 - Demonstrate a knowledge of the main methods of enquiry and an ability to evaluate critically the appropriateness of different approaches to solving problems in the IT field (A3)
 - Show an understanding of the limits of their IT knowledge and how this influences analyses and interpretations based on that knowledge (A4)
 - Use programming languages tools and packages, computer applications and structure data and information. (A6)
 - Effectively communicate information, arguments and analysis, in a variety of forms, to specialist and non-specialist audiences and deploy key IT techniques effectively (C13)
 - Evaluate systems in terms of general quality attributes and possible trade-offs presented within the given problem (C15)
 - Apply the principles of effective information management, information organisation, and information retrieval skills to information of various kinds (C16)
- 12 **Generic Learning Outcomes:** students who successfully complete this module will be able to:
- Identify and analyse criteria and specifications appropriate to specific problems and plan strategies for their solution (B10)
 - Analyse the extent to which a computer-based system meets the criteria defined for its current use and future development (B11)
 - Deploy appropriate practices and tools for the specification, design, implementation, and evaluation of computer-based systems (B12)
 - Undertake further training, develop existing skills and acquire new competences that will enable them to assume significant responsibility within organisations (D19)
 - Show effective information-retrieval skills including the use of browsers and search engines, and the use of general IT facilities (D22)
 - Managing their own learning and development including time management and organisation (D24)
 - Good workplace attitude, consistent and responsible approach to internal and external customers (D25)
- 13 **Synopsis:**
It is expected, but not mandatory that this unit will be delivered concurrently with Database Design and Development (CMK007), Web Programming (CMK009) and Intranet Implementation (CMK011).
This second work-based module, which is expected to be delivered over two semesters, follows on from CMK013 'Organisations and their IS Requirements' by developing, in a real environment, an intranet solution appropriate to a work placement. It can be seen as broadly consisting of three stages. Initially the 'need' is to be investigated and a solution proposed. This is to include multimedia considerations for the user interface. Use will be made of the research carried out in CMK013 together with the theory from the modules following the systems theme, to identify an appropriate intranet solution.
In the second stage the modules CMK007 and CMK009 will provide support for the development of a suitable user interface and the design of an appropriate database.

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In the final stage the module CMK011 will provide support for the development of a programmed server side solution.

The solution is to be presented by way of a report and presentation to the work-based supervisor and to the work-placement tutor.

It is intended to provide a work-placement tutor who will monitor, support and advise both the student and their work-based supervisor. The tutor will expect to receive a copy of a weekly log of activities from the student, to be available to respond to emails from the work-place, and to visit both the student and their supervisor in the work-place from time to time.

Like CMK013 an important aspect of this module is the work place assessment, it is envisaged that 70% of the assessment will be carried out by the college and 30% will be carried out by the employer.

14 **Indicative Reading List:**

Business Information Systems, Technology, development and management for the e-business; 2nd Edition 2002

Paul Bocij, Dave Chaffey, Andrew Greasley, Simon Hickie; Pearson Education

Essentials of Management Information Systems; 6th Edition Apr 2004; Kenneth Laudon, Jane Laudon; Pearson Education (Online Study Guide)

Database Systems A Practical Approach to Design Implementation and Management; 3rd Edition 2002; Connolly, T.M., Begg, C.E. and Strachan, A.D.; Addison Wesley

Web Design in a Nutshell; 2nd Edition September 2001; Jennifer Niederst; O'Reilly

Multimedia Communications; 1996; Sloane, Andy; McGraw Hill

Webmaster in a Nutshell; 3rd Edition December 2002; Stephen Spainhour, Robert Eckstein; O'Reilly

Linux Pocket Guide; March 2004; Daniel J. Barrett; O'Reilly

PHP Cookbook; November 2002 ; David Sklar, Adam Trachtenberg; O'Reilly

Apache: The Definitive Guide, 3rd Edition December 2002; Ben Laurie, Peter Laurie; O'Reilly

Managing & Using MySQL; 2nd Edition, April 2002; George Reese, Randy Jay Yarger, Tim King with Hugh E. Williams; O'Reilly

15 **Learning and Teaching Methods:**

Acquisition is through supported activities in the work-place: This is supported by reading and web based material. This is expected to occupy one day or its equivalent per week. It is estimated that this will require approximately 70 staff contact hours and a total study time of 300 hours per student.

16 **Assessment Methods:**

Assessment is through individual assessed coursework and projects. Coursework consists of both written reports and practical assignments. In general the 'Subject-specific learning outcomes' will be assessed via the written report and presentation. The workplace assessments will be devised in conjunction with each particular employer in liaison with the college's work-placement tutor and will also address the 'Generic Learning Outcomes' D19, D22, D24 and D25.

17 **Implications for learning resources, including staff, library, IT and space:**

Staff and employers will be required to support this module, through guidance, supervision and assessing. Time and resources must be made available the student so that they can complete this module. Materials from the reading list should be available through the library and additional materials via the web. IT resources will be required to support practical activities in the work place.

18 **SENDA statement:**

As far as can be reasonably anticipated, the curriculum, learning and teaching methods and forms of assessment do not present any non-justifiable disadvantage to students with disabilities.

Statement by the Director of Learning and Teaching: "I confirm I have been consulted on the above module proposal and have given advice on the correct procedures and required content of module proposals"

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Director of Learning and Teaching

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Date

Statement by the Head of Department: "I confirm that the Department has approved the introduction of the module and will be responsible for its resourcing"

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Head of Department

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Date