MODULE SPECIFICATION TEMPLATE

1 **Title:** CO706 Intranet Implementation (CMK011)

2 **Department:**
Computing, Business & Management at Mid-Kent College

3 **Start Date:** February 2005 (Semester 4 of 4)

4 **Number of Students:** 15-20

5 **Modules to be withdrawn:** None

6 **Level:** Level I

7 **Credits:** 15 credits

8 **Semester:** Semester 4 of 4 (Year 2)

9 **Prerequisites:** CO701/CMK007 Database Design & Development, CO702/CMK008 Networks, CO703/CMK009 Web Programming

10 **Programmes of Study:** Foundation Degree in Information Technology
Higher National Diploma and Certificate in IT

11 **Subject-specific learning outcomes:**

- Specify and implement a web server with a password system(C14)
- Design and implement a 3-tier system (C14)
- Use SQL in a server-side script(C14)
- The major functional components of a computer system (A5)
- Programming languages and practice; tools and packages; computer applications; structuring of data and information (A6)
- Basic computer communication network concepts; communication between computers and people; the control and operation of computers (A7)

12 **Generic learning outcomes:**

- Analyse the extent to which a computer-based system meets the criteria defined for its current use and future development (B11)
- Effective information-retrieval skills (including the use of browsers and search engines). Effective use of general IT facilities (D22)

13 **Synopsis:**

This module takes the student through the installation and commission of an intranet server to providing an interactive database driven system. Issues considered include access control both from the web and the maintenance points of view.
Technically the unit is based on concepts introduced in earlier modules and develops an economic open source solution.
The module starts with the web server, considering both the hardware and the software and its configuration to provide an appropriate secure intranet http service. The addition of a database service and scripting software is covered.
The unit completes with the combined use of the above elements to provide an interactive database driven intranet web site.

14 **Indicative Reading List:**

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 lecture/seminar/tutorial and practical laboratory work: This is supported by reading and web based material. There is 2 hours lecture/seminar/tutorial per week and two hours supported laboratory practical per week. It is estimated that this will require approximately 70 contact hours and a total study time of 150 hours per student.

16 **Assessment Methods:**

Assessment is through individual and group assessed coursework and projects. Coursework consists of both written reports and practical assignments. Examination is not felt to be appropriate to this module and assessed work is based on individually agreed topics.

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

Staff will be required to deliver this module, through teaching, supervision and assessing. 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.

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 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 Date

Revised August 2002; Revision 2 in 2003.