**LEARNING DEVELOPMENT PROJECT OVERVIEW FORM**

UNIVERSITY OF
BIRMINGHAM

| Project title | Mathematics and learning technologies (MALT) in WebCT | | Project ID No | **CLAD – HIST059** |
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| Strategy area/theme | Mathematics and statistics | | | |
| Start date | July 2003 | Completion date | May 2007 | |
| Project type | Learner enhancement project | | | |
| Level | Foundation | Programme of study | All programmes including Mathematics | |
| Aims | 1. To develop systems and procedures to support the effective use of learning technologies across the School of Mathematics and Statistics; <br> 2. To work in collaboration with the School of Engineering and other schools involved in the development of these systems and procedures within their schools. | | | |
| Objectives | Objectives for the schools involved are: <br> O.1.  To use learning technologies to enhance the learning experience of students; <br> O.2.  To develop staff skills in the use of learning technologies; <br> O.3.  To have appropriate staff structures in place to support the use of learning technologies; <br> O.4.  To collaborate in the development of learning technologies. <br><br> Objective O.1 can be expanded for this project into: <br> O.1.1.  To identify and incorporate those learning technologies needed to deliver interactive mathematics in WebCT. <br> O.1.2.  To set up, using WebCT, systems to provide course related, individualised information to students on a Degree Programme, requiring only a single authentication. <br> O.1.3.  To produce, in an organised way, mathematical content reflecting the syllabus of the first semester of MSM1A, the Core Mathematics course taken by all students with Mathematics as a Minor option or more. <br> O.1.4.  To produce at least one hundred questions, linked to the mathematical content, as well as at least six more summative quizzes, accessible from within WebCT; To produce at least six examples of interactive mathematical demonstrations linked to the mathematical content; <br> O.1.5.  To explore ways of communicating Mathematics within WebCT; | | | |

| Overview | This project will develop support systems and procedures for the effective use of learning technologies within the School of Mathematics and Statistics. Recently released mathematical software will be used to allow the development of web-based learning resources for students. By integrating these with the managerial benefits WebCT can deliver, a more effective support system for students can be established. Support materials for staff wishing to use the developed learning technologies will be generated. The evaluation of the resources produced and the varied uses envisaged by the various staff involved will help to define procedures for its effective use across Campus. |
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| Further Information | For further information on this project please contact CLAD at University of Birmingham<br><br>cladprojects@contacts.bham.ac.uk quoting CLAD projects HIST059 |