

9104-IC-1-2003-1-RO-ERASMUS-PROGUC-1

IMM EU Socrates Erasmus Program Master Program Syllabus Course Proposal

Course Title: Multimedia Databases
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Purpose	The purpose for this course is to offer the knowledge for building dynamic and interactive web applications using open source relational database management system (RDBMS) MySQL and server-side, cross-platform, HTML embedded scripting language PHP.
Learning Outcomes	Upon completion of this course, participants will be able to manage database systems, design and implement databases for web applications and to create database-enabled web applications.
Course Summary	The course presents the mix of techniques necessary for working with multimedia databases, including synthetic solutions for the design and deployment of web applications.
Course Structure	<ol style="list-style-type: none">1. Introduction to Multimedia Databases2. MySQL Server3. Databases - Design and Implementation4. Getting Data from Databases and Tables using Queries5. MySQL User Account Management6. Introduction to Scripting Language - PHP7. Accessing MySQL Database Servers using PHP8. Advanced PHP Techniques9. Classes and Objects10. Using PHP with XML and WML
Learning Assignments	For each module the students will make an assessment. All assessments will be integrated in a final project.
Tutorials	The Interactivity and Usability course will consist of a balanced

Structure	combination between online sessions and independent study.
Interactive or Multimedia content	The course will contain examples provided by the tutor. These examples are containing various media: text, graphics, audio, video.
Software needed	<ul style="list-style-type: none"> - Internet Information Services - Apache Web Server - PHP - MySQL Database Server - Macromedia Dreamweaver - Text editors
References	<ul style="list-style-type: none"> - Luke Welling, Laura Thomson – PHP and MySQL. Web Development, Sams Publishing 2001 - Thomas Connolly, Carolyn Begg, Anne Strachan – Database Systems – A Practical Approach to Design, Implementation and Management, Addison Wesley Longman Limited 1998 - http://www.php.net - http://www.mysql.org - http://www.apache.org - http://www.microsoft.com/windows2000/community/centers/iis/default.msp