

Global Learning Semesters

Course Syllabus

Course: COMP-256 Applications Development II

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
COMP-256	Applications Development II	3
Semester Offered	Contact Hours	Prerequisites
Spring	42	COMP-253 Applications Development I
Department	Level of Course	Language of Instruction
Computer Science	Lower Division	English

Course Description

1. Overview of spreadsheets. Copying, formatting, functions, etc. Spreadsheets in decision making: What-If? scenario management. Graphs and Charts.
2. List and data management of spreadsheet data.
3. Automating repetitive tasks: macros and Visual Basic.
4. Developing interactive WEB based applications.
5. Client-side scripting: JavaScript. DHTML.
6. Client-Server applications. ASP. Server site scripting using JavaScript.
7. WEB database applications.
8. MS Office WEB integration

Instructor

Vasso Stylianou

Course Aims and Objectives

To introduce students to the design and development of small to medium-scale single-user business applications including prototyping techniques and advanced handling of spreadsheet data files.

Teaching Methods

The course is delivered through a mixture of lectures, supervised structured laboratory exercises and team project

Course Teaching Hours

42 hours. The course is currently not offered.

Evaluation and Grading

Homework Assignments: 20%

Tests: 30%
Final Exam: 50%

Readings and Resources

Required Textbook

Robert Grauer, Maryann Barber, Exploring Microsoft Excel 2000, 1999, Prentice Hall, Inc. (ISBN: 0-13-011108-2).
Tom Negrino, Dori Smith, JavaScript for the World Wide Web, 3rd edition, 1999, Peachpit Press (ISBN: 0-201-35463-2).

Recommended Reading

Deitel, Deitel & Nieto, Internet & World Wide Web; How to Program, 2000, Prentice-Hall, Inc. (ISBN: 0-13-016143-8).