Global Learning Semesters
Course Syllabus
Course: COMP-355 Systems Development I
Department: Computer Science
Host Institution: University of Nicosia, Nicosia, Cyprus

Course Summary

Course Code	Course Title	Recommended Credit Hours
COMP-355	Systems Development I	3
Semester Offered	**Contact Hours**	**Prerequisites**
Fall	42	COMP-151 Fundamental Concepts of Information Systems and Technology. Computer literacy topics, examination of information systems and their impact on society.
Department	**Level of Course**	**Language of Instruction**
Computer Science	Upper Division	English

Course Description

General concepts and problem-solving steps of system analysis. Study of the activities common to the systems analyst, including feasibility study, organization charts, data-flow diagrams, entity-relationship diagrams, flow and structure charts, as well as use of other tools and techniques. The student carries out, in project form, all the phases of the systems analysis and design cycle. Modern Case tools are being used.

Instructor

Ms Vasso Stylianou

Course Aims and Objectives

1. To understand the importance of the various stages in systems development.
2. To learn how to use the fundamental system analysis tools and how to employ them effectively in solving problems.
3. To appreciate traditional and emerging system design techniques and tools, including prototyping, OOP, and Case.

Teaching Methods

The course is delivered through lectures and assignments.

Course Teaching Hours

42 hours. The course is delivered during the Fall semester in 14-weeks (3 hours/week).

Evaluation and Grading

Group Project: 20%

Homework: 0-10%
Tests: 30-40%
Final Exam: 40-50%

Readings and Resources

Required Textbook

Kendall K., Kendall G., Systems Analysis and Design, 5th ed., 2002, Prentice-Hall Inc. (ISBN: 0-13-042365-3)

Recommended Reading

Whitten, Bentley, Barlow, Systems Analysis & Design Methods, 4th ed., 1999, Irwin Publishing Co., (ISBN: 0-256-07493-3)