Global Learning Semesters
Course Syllabus
Course: COMP-151A Fundamental Concepts of Information & Computers
Department: Computer Science
Host Institution: University of Nicosia, Nicosia, Cyprus

Course Summary		
Course Code	**Course Title**	**Recommended Credit Hours**
COMP-151A	Fundamental Concepts of Information & Computers	3
Semester Offered	**Contact Hours**	**Prerequisites**
Please contact us	42-45	None
Department	**Level of Course**	**Language of Instruction**
Computer Science	Lower Division	English

Course Description

This course is an introduction to computers and information processing. It covers computer literacy topics including a brief history of computing, examination of information technology (input, output, storage, processing), current trends in the use of computers, and the impact of computers on society.

Prerequisites

None

Topic Areas

1. Introduction to computers and applications. Computer ethics, crime, and privacy. History of computers.

2. The processing unit. Computer number systems and data representation.

3. Input/Output media and devices.

4. Primary and secondary storage.

5. Microcomputers. Application and systems software, systems development life cycle, computer programming languages, files and databases.

6. Data Communications. Local area networks.

7. Future trends in technology.

8. Introduction to the Internet.

Readings and Resources

Required Textbook

- L. Long and N. Long, Computers, 2002, 9th Edition, Prentice Hall, (ISBN: 0-13-092980-8).

Recommended Reading

- Computers: Tools for an Information Age, Eighth Edition by H. L. Capron, J. A. Johnson Prentice Hall; 8th edition (May 23, 2003) ISBN: 0131405640.