Philadelphia University
Faculty of Administrative & Financial Sciences
Department of Business Networking and Systems Management

Course Syllabus	
Course Title: Fundamental concepts of Computer System	**Course code: 0371212**
Course Level: First Year	**Course prerequisite(s) and/or co-requisite(s):**
Lecture Time:	**Credit hours: (3) hours**

Academic Staff Specifics				
Name	**Rank**	**Office Number/Location, and Office Phone Number**	**Office Hours**	**E-mail Address**
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Course Description:

This course explains some of the key terms students will encounter as they establish relationships with specialists in the information technology community. This course includes the following modules:
Module1: An Introduction to Computer Technology
Module 2: Computing Environments
Module 3: Computer Applications
Module 4: What to Do Next?.

Course Objectives:

This course has six primary aims. These are to

1. introduce the key components of a computer system (hardware, software, data)
2. Acquaint readers with how computers work.
3. Present the basic concepts of various computing environments.
4. Give a broad view of how technology is improving communications through the use of electronic mail and the Internet.
5. Discuss the various kinds of storage media and recording formats and methods commonly associated with a computer.
6. Explain how to obtain more information on computerizations.

Course Components

- **Books**
  Text book:

Teaching methods:

- Lectures.
- Discussion groups.
- Tutorials.
- Debates.
- Homework's.
- Basic Research/Presentation.

Learning Outcomes:

At the end of this course, you should understand

1. the key components of a computer system (hardware, software, data)
2. the basics of how computers work
3. the basic concepts of various computing environments
4. how technology is improving communications
5. the various kinds of storage media and recording formats and methods available
6. where to go for more information on computerization

- **Cognitive skills (thinking and analysis).**
  - The lecturer will present the material in the text book in an interactive way that stimulates the thinking side of students.
  - Conducting the learning objectives for each module components in clear manner to insure the material is digested by the students.

- **Communication skills (personal and academic).**
  - For every lecture the last five minutes will be open for discussion. For further discussion, the students are welcome at the lecturer's office hour as appeared in first page.
  - Project Development: Groups of approximately two to three students develop projects, complete research, schedule meetings, write papers and reports, and deliver a 20-30 minute oral presentation using visual aids.
  - Group Management: Students work on group projects to practice interpersonal skills by communicating with group members, other groups, and peers outside the group.

Assessment instruments

- Short Reports and/or Presentations and/or Short Research Projects.
- Quizzes.
- Home works.
- Final examination.

Allocation of Marks

Assessment Instruments	Mark	Exam Date and Day
First Examination	**20**	
Second Examination	**20**	
Final Examination	**40**	
Attendance, Quizzes, Home works, and Reports and/or Research	**20**	
Total	**100**	

Documentation and academic honesty

This course is given from the textbook mentioned above. It is copyright protected. Students are encouraged to purchase this textbook from the university bookshop.

Definition of Plagiarism

Plagiarism is the unacknowledged borrowing of another writer's words or ideas.

How Can Students Avoid Plagiarism?

To avoid plagiarism, you must give credit whenever you use

- another person's idea, opinion, or theory;
- any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge;
- quotations of another person's actual spoken or written words; or
- Paraphrase of another person's spoken or written words.

If you are in doubt about whether what you are doing is inappropriate, consult your instructor. **A claim that "you didn't know it was wrong" will not be accepted as an excuse.**

Penalty for Plagiarism

The minimum penalty for an act of plagiarism is a 0 on the assignment, homework, and project. Serious cases of plagiarism may result in failure in the course as a whole, or expulsion from the university.

Course Academic Calendar

Week	Basic and support material to be covered	Homework/reports and their due dates
(1)	A Brief History of Computing	
(2)	Computing Environments	
(3)	An Introduction to Computer Technology	
(4)	Characteristics of computer	
(5)	Number Systems	
(6) First Examination	Central Processing Unit	
(7)	Computer peripherals	
(8)	Input devices	
(9)	Input devices	
(10)	Output devices	
(11) Second Examination	Storage devices	**Second Examination**

(12)	System software and Application software	
(13)		
(14)	An introduction to Operating System	
(15)		
(16) Final Examination	An introduction of database systems	Final Examination

Expected Workload:

On average students need to spend 2 hours of study and preparation for each 50-minute lecture/tutorial.

Attendance Policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.