



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

<u>Course Syllabus</u>	
Course Title: Management Information System.	Course code: 0371248
Course Level: Second Year	Course prerequisite (s) and/or co requisite (s):
Lecture Time:	Credit hours: 3

<u>Academic Staff</u> <u>Specifics</u>				
Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Sundus Hamoodi	Assis. Prof.	32418	11:15-12:45 Mon., Wed.	Sundushamodi@yahoo.com

Course module description:

This course introduces the significant role of both information systems and technology concepts in modern business.

The course focuses on the use of information in organizations, the role of managers and importance of both management information systems and technology in development business strategies. This course illustrates the development of computer-based Information Systems to support an organizations implementing their strategies and achieving their goals and plans.

يتناول هذا المنسق الدور الكبير لكل من نظم المعلومات والمفاهيم التكنولوجية في الأعمال الحديثة. يركز المنساق على استخدام المعلومات في المنظمات، ودور المديرين وأهمية كل من نظم المعلومات الإدارية والتكنولوجيا في تطوير استراتيجيات الأعمال. يوضح المنساق تطوير نظم المعلومات المعتمدة على الحاسوب لدعم المنظمات في تنفيذ استراتيجياتها وتحقيق أهدافها ومخططاتها.

Course module objectives:

- ▶ Know the basics of computer and communications architectures.
- ▶ Understand the distinction between physical and virtual systems.
- ▶ Describe how business applications have evolved from an initial emphasis on accounting data to the current emphasis on information for problem solving.
- ▶ Understand the eight-element environmental model as a framework for understanding the environment of a business organization.
- ▶ Understand that supply chain management
- ▶ Understand the electronic commerce issues.
- ▶ Know that the organizational content for systems development and use is changing from a physical to a virtual structure.
- ▶ Know who the information specialists are and how they can be integrated into an information services organization.
- ▶ Understand the implications of the rapid advances in information and communication technologies.
- ▶ Understand database structures and how they work.
- ▶ Know how to relate tables together in a database.
- ▶ Recognize the difference between a database and a database management system.
- ▶ Understand the database concept.
- ▶ Know two basic methods for determining data needs.
- ▶ Know how to apply the systems approach to solving systems problems.
- ▶ Be familiar with architectures of marketing, human resources, manufacturing, and financial information systems.
- ▶ Understand the organizational needs for information security and control.
- ▶ Understand the fundamentals of decision making and problem solving.
- ▶ Know how the decision support system (DSS) concept originated.

Course/ module components

- **Books**

Text book:

- Management Information Systems, 10/E
McLeod & Schell
© 2007 | Prentice Hall | Paper; 480 | Instock
ISBN-10: 0131889184 | ISBN-13: 9780131889187

In addition to the above, the students will be provided with handouts by the lecturer.

Homework guide .

HOMEWORK: Homework is an essential part of the educational process.

The homework in this course will reinforce the material covered in the classroom and provide time for practice. Students will earn points for each homework assignment completed. Homework assignments will be graded based on completion.

Teaching methods:

- Duration: 16 weeks in first semester, 48 hours in total
- Lectures: 32 hours (2.5 hours per week),
- Laboratories: 16 hours, 1 per week

Learning outcomes:

- Knowledge and understanding

A student completing this module should:

- Be able to know the basics of computer and communications architectures
- Be able to understand what enterprise resource planning systems are and reasons for their popularity
- Be able to understand the relationship between problem solving and decision making and know the basic problem-solving steps
- Be able to understand the supply chain management
- Be able to understand the competitive advantage and its dimensions
- Be able to understand the concepts of value chains and value chain systems
- Be able to understand the electronic commerce
- Be able to differentiate between types of electronic commerce
- Be able to know that the organizational context for systems development and use is changing from a physical to virtual structure
- Be able to understand the end user computing and why it comes about
- Be able to recognize the benefits and risks of the virtual office and the virtual organization
- Be able to understand the different computer networking strategies and protocols
- Be able to understand databases structures and how they work
- Be able to recognize the difference between a database and a database management system
- Be able to be familiar with the main SDLC approaches, and know the basics of modeling processes
- Be able to be familiar with architectures of marketing, human resources, manufacturing, and financial information systems.

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.

- - Analyzing, summarizing and integrating information from a variety of media.

Communication skills (personal and academic).

-Module language: English

-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.

Time Management: Assignments are varied, integrated, and overlapping, and students must focus on multiple issues, projects, and demands. Students must, therefore, take responsibility for planning and pacing their own work as well as developing time management skills.

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.

Practical and subject specific skills (Transferable Skills).

Assessment instruments

- Short reports and/ or presentations, and/ or Short research projects
- Quizzes.
- Home works
- Final examination: 50 marks

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
First examination	20
Second examination	20
Final examination:	40
Reports, research projects, Quizzes, Home works, Projects	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/module academic calendar

Module Outline:

Week	Subject
(1)	Introduction to Information Systems, history of information systems, introduction to computer architecture, introduction to communications architecture
(2)	The evolution in computer applications, information system users, the role of information in management problem solving, the future of information technology
(3)	Information Systems for Competitive Advantage: the firm and its environment, managing the physical resources flow, competitive advantage
(4)	Information Systems for Competitive Advantage: challenges from global competitors, challenging in developing global information systems, knowledge management, strategic planning for information resources
(5)	Using Information Technology to Engage in Electronic Commerce: application benefits from e-commerce, e-commerce constraints, scope of e-commerce, business intelligence, e-commerce strategy
(6)	The inter organizational system, B2C strategies for e-commerce, using the Internet, business applications of the Internet
(7)	System users and developers: the information services organization, structure and end user computing, education criteria, knowledge, and skills needed for careers in information services
(8)	First Exam , office automation, the virtual organization
(9)	Computing and communications resources: hardware, personal computing devices, software
(10)	Communications, network types, the convergence of computing and communications
(11)	<i>Database Management Systems: data organization, database structures, relational database</i>
(12)	<i>Array of 1 and 2 dimensions</i> (uniform set), Tutorial.
(13)	Second Exam , creating a database, using the database.
(14)	<i>System Development: the systems approach, the system development cycle</i>
(15)	<i>Business processes redesign, system development tools, process modeling.</i>
(16)	Project management, revision

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.

Module references

Books

Students will be expected to give the same attention to these references as given to the Module textbook(s)

- Experiencing MIS
Kroenke
© 2008 | Prentice Hall | Cloth; 736 | Instock
ISBN-10: 0132337770 | ISBN-13: 9780132337779
- Essentials of Business Information Systems, 7/E
Laudon & Laudon
© 2007 | Prentice Hall | Cloth; 504 | Instock
ISBN-10: 0132277816 | ISBN-13: 9780132277815
- Managing Information Systems: Using Cases within an Industry Context to Solve Business Problems with Information Technology
Anderson
© 2000 | Prentice Hall | Paper; 464 | Instock
ISBN-10: 0201611767 | ISBN-13: 9780201611762

Website(s):

- <http://www.scopus.com/scopus/home.url>
- <http://papers.ssrn.com/sol3/DisplayAbstractSearch.cfm>
- <http://econpapers.repec.org/scripts/search.asp?pg=-1>
- <http://www.getcited.org/search/>
- <http://www.dmoz.org/>
- http://www.dmoz.org/Reference/Knowledge_Management/Publications/Articles/
- <http://www.sociosite.net/topics/management.php>
- http://www.ucd.ie/library/electronic_resources/guides_to_web_resources/commerce.html
- http://www.ucd.ie/library/electronic_resources/guides_to_web_resources/commerce.html
- <http://www.startwright.com/virtual.htm>
- <http://www.cs.york.ac.uk/mis/>