



MIS-251 Information Systems Concepts

Course Code	Course Title	Credits /ECTS
MIS 251	Information Systems Concepts	6
Department	Semester	Prerequisites
Management & MIS	Fall/Spring	COMP-151A Fundamental Concepts of Information and Computer Technology
Type of Course	Field	Language of Instruction
Elective	MIS	English
Level of Course	Year of Study	Lecturer
1 st Cycle	2 or 3	Dr. A. I. Kokkinaki Dr. S. Louca
Mode of Delivery	Work Placement	Office
Face-to-face	N/A	EU 209c
Recommended Optional Programme Components: N/A		

Objectives of the Course:

This course is designed to provide students with an understanding of the theoretic and practical issues related to the application of information systems within organizations.

The main objectives of this course are to:

- Demonstrate how information systems integrate information and organizational processes across functional areas into unified systems.
- Outline challenges and benefits from the most commonly used enterprise systems
- Employ a software package to illustrate how enterprise systems work.
- Integrate conceptual and technical (software) skills of students so that a business problem is addressed within the scope of a group project.

Learning Outcomes:

Upon completion of this course students are expected to be able to:

- Discuss the fundamentals of information systems.
- Recognize how an organizational process often spans different functional areas.
- Describe the role of information systems in an organization.

- Demonstrate how enterprise systems integrate functional areas into one enterprise-wide information system.
- Explain how “best practices” are incorporated in enterprise systems.
- Integrate key concepts from functional-oriented courses, (i.e. accounting, marketing) to promote the development of integrative skills.
- Explain how integrated information sharing increases organizational efficiencies.
- Identify, describe, and evaluate the major enterprise system software providers and their packaged systems.
- Discuss current trends related to enterprise systems.
- Evaluate the costs and benefits of implementing an enterprise system.

Course Contents:

- **Foundations of enterprise information systems:** An introduction to information systems presents the conceptual system components and the major types of existing information systems and future trends.
- **Enterprise information systems and competitive advantage:** It will be explained how information systems may improve the competitive positions of organizations. Strategic alignment between the information systems and mission of the organization they serve is also examined. Case studies demonstrate how strategic advantage is obtained through information systems implementations and the challenges associated with sustaining competitive advantage.
- **Infrastructure:** A brief overview of information systems infrastructure, including computers, software, networks and databases. Privacy and security issues will be examined.
- **Web, Web 2.0 and Web 3.0 in business:** The importance and implications of web technologies in business will be examined. Existing and emerging e-business models will be presented. Characteristics of e-business relationships and their relevance for the application of e-business technology will be discussed. Emphasis will also be placed on ways of improving the efficiency and effectiveness of inter-organizational transactions and streamlining business processes.
- **Business processes and business process integration:** Functional and cross-functional enterprise information systems are examined. Best practices are demonstrated through case studies. Enterprise information systems are evaluated with respect to costs and benefits.
- **Selecting, acquiring, implementing an enterprise system:** Analyzing business requirements for selecting and implementing an enterprise information system, software selection process, and challenges associated with system implementations. Post-implementation issues and an introduction to evaluation of IT investment are also presented.

Learning Activities and Teaching Methods:

- Faculty Lectures and Guest-Lectures Seminars
- Directed and Background Reading

- Case Study Analysis and Discussion
- Lab Sessions
- In-class Exercises
- Student-led Presentations

Assessment Methods:

Final Examination (1)
Mid-Term (1)
Assignments/Homework

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Turban E., Volonino L.	Information Technology for Management: Transforming Organizations in the Digital Economy, 7th Edition,	Wiley	2010	978-0-470-40032-6

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
HIGHLY RECOMMENDED				
Kieran Mathieson	<i>MIS-Book.Com</i> Available for free at: http://www.mis-book.com/tiki-index.php?page=Preface			
A series of case-studies is available on students' intranet.	Available for free at: <i>UNIC STUDENTS INTRANET</i>			