



Course Code MIS-151	Course Title BUSINESS APPLICATIONS	Credits (ECTS) 6
Department MIS	Semester Fall, Spring	Prerequisites COMP-151
Type of Course Elective	Field MIS	Language of Instruction English
Level of Course 1 st Cycle	Year of Study 1 or 2	Lecturer Dr. Despo Ktoridou
Mode of Delivery Face-to-Face	Work Placement N/A	Office None

Objectives of the Course:

The main objectives of the course are to:

- Identify business problems calling for the development of an end-user computer application
- Describe business and software applications needed to complete different business problems
- Design and develop computer applications based on widely available end-user software packages
- Apply the developed computer applications to solve real world business problems.

Learning Outcomes:

After completion of the course students are expected to be able to:

- Identify the type of end-user application needed in different business problems
- Design and develop computer applications that solve the identified business problem
- Develop a convincing documentation for the solution of the identified business problem, present it and defend it.

Course Contents:

SECTION I: Computer Hardware

- History of computers
- Types of computer systems
- Hardware components and functions
- Computer peripherals

SECTION II: Computer Software

- Application Software
- Systems Software
- Operating Systems

SECTION III: Telecommunications and Networks



- Business value of networks
- The Internet
- Network components

SECTION IV: Enterprise Web 2 Fundamentals

- Introduction to Web 2
- User-Generated Content: Wikis, Blogs, Communities, Collaboration, and Collaborative Technologies 33
- Rich Internet Applications: Practices, Technologies, and Frameworks 77
- Web 2.0 Architecture Case Studies 143

SECTION IV: Data Recourse Management

- Data Concepts
- Database Management
- Types of Databases

SECTION V: Web Technologies

- Web Characteristics and capabilities
- Collaborating on the Web
- Locating Resources on the Web

Teaching Methods:

Lectures, Case Study Analysis and Discussion, Academic Paper Discussions, In-Class Exercises, and Presentations.

Assessment Methods:

Test 1-10%, Test 2-10%, Homework-15%, Class Discussions Participatio-10%, , Project 1-15%, Final Exam- 40%

Required Textbooks:

Authors	Title	Publisher	Year	ISBN
Lisa Miller	MIS Cases: Decision Making with Application Software, 4/E	Prentice Hall	2009	10: 0132381052

Lecturer Notes

Recommended Textbooks/Reading:

Krishna Sankar Susan A. Bouchard	Enterprise Web 2.0 Fundamentals	Prentice Hall	2009	10:1587057638
O'Brien J., Marakas G.M.	Introduction to Information Systems	McGraw Hill	2007	