



<b>Course Code</b> MBA-736A	<b>Course Title</b> Enterprise Information Systems	<b>Credits (ECTS)</b> 7.5
<b>Department</b> Management and MIS	<b>Semester</b> Fall, Spring, Summer	<b>Prerequisites</b> MBA-670
<b>Type of Course</b> Elective	<b>Field</b> MIS	<b>Language of Instruction</b> English
<b>Level of Course</b> 2 <sup>nd</sup> Cycle	<b>Year of Study</b> 2 <sup>nd</sup>	<b>Lecturer</b> Dr. Angelika Kokkinaki
<b>Mode of Delivery</b> Face-to-face	<b>Work Placement</b> N/A	<b>Co-requisites</b> None
<b>Recommended Optional Programme Components:</b> N/A		

### **Objectives of the Course:**

This course aims to enable students understand issues, problems and opportunities that senior managers and Chief Information Officers (CIOs) face today in organizations and enable them to refer to conceptualized principles and applied techniques and tools to efficiently address them.

The main objectives of this course are to:

- Describe and apply conceptual tools used to examine the efficiency and effectiveness of the management of business processes.
- Introduce Enterprise Information Systems (EIS) to students.
- Extend students' knowledge on EIS concepts and definitions and
- Provide them with hands on experience by using an EIS system.

### **Learning Outcomes:**

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

1. Develop structured frameworks to manage business processes as well as their alignment to the general management's strategy, needs and values.
2. Understand tactics and tools used to ensure that the organization targets its EIS development efficiently and effectively.
3. Develop the firm's ICT planning and control processes.
4. Discuss the "best practice" tools, methods, and approaches in EIS.
5. Being able to apply principles and techniques in an EIS environment.
6. Discuss how data is created generated and flow through EIS systems and their modules and propose optimized solutions.
7. Identify how alternative technical approaches may be followed in different settings.
8. Apply the gained knowledge on EIS for efficient and effective decision making.

**Course Contents:**

<b>Week</b>	<b>Short Title</b>	<b>Descriptive Title</b>	<b>Main Purpose</b>
1	Lecture 1	Introduction on EIS systems	Understand <b>EPII</b> systemsThe evolution of ERP systems. Benefits, advantages disadvantages. What is an EIS General EIS project management and the necessity for education.
2	Lecture 2	EIS use and capabilities	Covered fields by EIS systems, there contribution to any business operation management. Basic understanding of EIS architecture, common to all EISs. Brief description of what will follow in forthcoming lectures and labs.
3	Lecture 3	EIS selection and implementation process	What is “EIS selection process”, why companies need to spend time and resources for this process? Full application and step by step follow up of the process in order to choose one of the candidate EIS systems for this course.
4	Lab 1	MS™ Dynamics Navision introduction and familiarization	Familiarization to basic functions of MS™ Dynamics EIS. Create navigation skills for the system. Use of commonly used functions. Introduction on aspects, concepts and architecture of the specific EIS system.
5	Lecture 4	Basic Tables and Data, common to all EIS systems	Before moving on to more advance knowledge and use of EIS skills, students will understand how data is created, stored, monitored, maintained and how end or key users take advantage of it. Indicate basic tables and fields used by all EIS systems.
6	Lecture 5	Modules and their use	Introduction on EIS modules use by companies to reach their goals on specific business fields (CRM, HR etc.) Illustration of interaction and the need of interface, common shared data, concurrency controls. Case scenarios for better understanding.
7	Lecture 6	EIS Financial Module	Full lecture to cover basic functionality of the financial module of an EIS system. This lecture will develop skills on understanding, applying and use functions handled by accounting departments.
8			Midterm Exam

9	Lecture 7	Business Processes through EIS system	This lecture will guide students through all fundamental operations completed in an EIS system. The skills acquired will help learner to visualize every day procedures through the information system. These skills are essential for understanding back and front office process.
10	Lab 2	Data creation, more advance use of MS <sup>TM</sup> Dynamics Navision	This lab will be designed to apply knowledge and spread out hands on experience based on three previous lectures. Use of basic tables and functionality, financial and general common to all companies operations.
11	Lecture 8	Reporting/Analysis, use of data	Report and analysis is very important because it used the output of all users to create additional knowledge for end users to overcome the competition and manage company's resources for the organization good. Report and analysis is always a managerial concern, so emphasis will be given on how they are created, used and extend functionality.
12	Lab 3	Reporting/Analysis, use of data in MS <sup>TM</sup> Dynamics Navision	This lab will apply knowledge gained from lecture 8. Hands on experience will give clearer view of abilities and capabilities of this kind of tools, in an organization.
13	Lab 4	Assignment on MS Dynamics Navision, case scenario	Students at this point should be able to show up the knowledge and skills acquired by this course. They will demonstrate the activities held by them using MS <sup>TM</sup> Dynamics Navision as a tool to complete the assignment given.

**Teaching Methods:**

- Faculty Lectures and Guest-Lectures Seminars
- Directed and Background Reading
- Case-studies
- In-class Labs
- Homework assignments
- Group Project

**Assessment Methods:**

Mid-Term Exam, Final Exam, Homework Assignments, Group Project.

**Required Textbooks:**

<b>Authors</b>	<b>Title</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
David L. Olson and Subodh Kesharwani	Enterprise Information Systems: Contemporary Trends and Issues	World Scientific Publishing Company (October 28, 2009)	2009	<b>ISBN- 10:</b> 9814273155 <b>ISBN- 13:</b> 978- 9814273152
Selected Case Studies and articles		Harvard Business School		