

## COURSE OUTLINE

### 1. GENERAL

|                                              |                                                                                                           |                              |                     |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------|---------------------|
| <b>SCHOOL</b>                                | BUSINESS AND ECONOMICS                                                                                    |                              |                     |
| <b>DEPARTMENT</b>                            | BUSINESS ADMINISTRATION                                                                                   |                              |                     |
| <b>DIVISION</b>                              | BUSINESS ADMINISTRATION                                                                                   |                              |                     |
| <b>LEVEL OF STUDY</b>                        | UNDERGRADUATE                                                                                             |                              |                     |
| <b>COURSE UNIT CODE</b>                      | <b>1104403</b>                                                                                            | <b>SEMESTER OF STUDY</b>     | 4                   |
| <b>COURSE TITLE</b>                          | MANAGEMENT INFORMATION SYSTEMS                                                                            |                              |                     |
| <b>COURSEWORK BREAKDOWN</b>                  |                                                                                                           | <b>TEACHING WEEKLY HOURS</b> | <b>ECTS Credits</b> |
| Lectures, Workshops and Laboratory Exercises |                                                                                                           | 5                            | 6                   |
|                                              |                                                                                                           |                              |                     |
|                                              |                                                                                                           |                              |                     |
| <b>COURSE UNIT TYPE</b>                      | Special Background Course                                                                                 |                              |                     |
| <b>PREREQUISITES :</b>                       |                                                                                                           |                              |                     |
| <b>LANGUAGE OF INSTRUCTION/EXAMS:</b>        | GREEK                                                                                                     |                              |                     |
| <b>COURSE DELIVERED TO ERASMUS STUDENTS</b>  | YES                                                                                                       |                              |                     |
| <b>MODULE WEB PAGE (URL)</b>                 | <a href="http://moodle.teipir.gr/course/info.php?id=88">http://moodle.teipir.gr/course/info.php?id=88</a> |                              |                     |

### 2. LEARNING OUTCOMES

#### Learning Outcomes

Upon successful completion of the course the student will be able to:

- Distinguish the recent developments and tendencies that prevail round the Information Systems.
- Develop the basic significances of strategy of modern Information Systems, the approaches presented in the bibliography, as well as the enterprising practice.
- Recognize the advantages for an Organisation from the application of modern Management Information Systems.
- Determine the steps of analysis and development of modern Management Information Systems.
- Develop Computer Based Management Information Systems.
- Identify risks and difficulties emerged during the development and the application of Management Information Systems.

#### General Skills

- Individual work
- Teamwork
- Analysis and Synthesis

### 3. COURSE CONTENTS

The course is organized around topics such as:

- Information & Information Systems,
- The strategic role of the MIS,
- Organizational Structure of the MIS,
- MIS technologies,
- Computer Based Information Systems,

- MIS Life cycle,
- Analysis, Design and MIS Integration,
- The Chen diagrams,
- The role of Data Base and Model Base in the development of a MIS.

#### 4. TEACHING METHODS - ASSESSMENT

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>MODE OF DELIVERY</b>                                | In-Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |
| <b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b> | <p><b>Use of ICT in Teaching:</b> Word Processing, Presentations, Spreadsheets, Support of the learning process through the LMS platform of PUAS. Office 365.</p> <p><b>Use of ICT in Communication :</b> Email, Course Website, Lecturer Website, Social Networks (Facebook, Twitter)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |
| <b>TEACHING METHODS</b>                                | <b>Method description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Semester Workload</b> |
|                                                        | Lectures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 39                       |
|                                                        | Independent and Directed Learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 59                       |
|                                                        | Preparation of Group Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 26                       |
|                                                        | Lab exercises                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 26                       |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |
|                                                        | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>150</b>               |
| <b>ASSESSMENT METHODS</b>                              | <p><b>I. Final Examination (60%) (Summative Evaluation) includes:</b></p> <ul style="list-style-type: none"> <li>- Critical questions</li> <li>- Short answer questions</li> <li>- Problems Resolve</li> </ul> <p><b>Evaluation Objective:</b> To understand the fundamentals of the course.</p> <p><b>Evaluation Criteria:</b> Comprehensiveness, accuracy, and critical evaluation.</p> <p><b>II. Teamwork (40%) (Summative and Formative):</b><br/>Development of an MIS.</p> <p><b>Evaluation Objective:</b> To examine students' skills in MIS development tools and to enhance students' teamwork skills.</p> <p><b>Evaluation Criteria:</b> Functionality of the application, user-interface, organization and management of teamwork project and presentation.</p> <p>Evaluation criteria are explicitly referred on the site of the course for each learning activity.</p> |                          |

#### 5. RESOURCES

##### - Recommended Book :

##### Books

- Yannakopoulos D., Papoutsis I., (2003). Management Information Systems, Synchroni Ekdotiki, Athens (in Greek).
- Pollalis C, Yannakopoulos D., Papoutsis I., (2004). Business Information Systems, Stamoulis Publications, Athens (in Greek)
- Ross A. Malaga, (2005). Introduction to Information Technology Systems" Publishing M. Giourdas, Athens (in Greek).
- Folinas D Manthos B Vlachopoulou M, (2007). Integrated Information Enterprise Resource Management Systems, Anikoula Publications, Thessaloniki (in Greek)
- Laudon K. C., Laudon J. P, (2009). Information Systems, 7th Edition, Prentice Hall, Athens (in

Greek)

- Economou C., N. Georgopoulos, Benos B, (2004). Information Systems Management Benos Publications (in Greek).
- Pollalis C Voziki A, (2009). Information Enterprise Resource Planning Systems, UTOPIA Publications, Athens (in Greek)
- James O'Brien and George Marakas, (2010). Management Information System, Mac Graw Hill Companies, 10th Edition.
- Avison and Fitzgerald, (1998). Information Systems Development: Methodologies, Techniques and Tools, McGraw-Hill Companies, 2nd Edition.
- Curtis Graham and David Cobham, (2001). Business Information Systems: Analysis, Design and Practice, Pitman Publishing, 4th Edition.
- D. Anderson, (2000). Managing Information Systems: Using Cases within an Industry Context to Solve Business Problems with Information Technology, Prentice Hall.
- Laudon K. C. and J. P. Laudon, (2010). Management Information Systems, Prentice Hall, New Jersey, 11th edition.
- Raymond McLeod and George Schell, (2006). Management Information Systems, Prentice Hall, 10th Edition.
- Raymond McLeod Jr, (2001). Management Information Systems, Prentice Hall International, Inc. New Jersey, 8th edition.

**Selected articles from the following journals:**

- International Journal of Information Management– Elsevier.
- The Journal of Strategic Information Systems– Elsevier.
- Information & Management– Elsevier.