### GENERALLY

<table>
<thead>
<tr>
<th>LEISURE</th>
<th>POLYTECHNIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART</td>
<td>COMPUTER ENGINEERING AND INFORMATICS</td>
</tr>
<tr>
<td>LEVEL OF EDUCATION</td>
<td>UNDERGRADUATE</td>
</tr>
<tr>
<td>LESSON CODE</td>
<td>CEID_5358</td>
</tr>
<tr>
<td>SEMESTER OF STUDIES</td>
<td>spring</td>
</tr>
<tr>
<td>COURSE TITLE</td>
<td>APPLIED INFORMATION SYSTEMS II</td>
</tr>
</tbody>
</table>

#### SELF TEACHING ACTIVITIES

<table>
<thead>
<tr>
<th>Lectures, Laboratory Exercises, Cram school</th>
<th>WEEKS</th>
<th>HOURS</th>
<th>CREDIT UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2(l), 1(le), 2(gs)</td>
<td></td>
<td>5</td>
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### COURSE TYPE

Skills Development

### PREREQUISITE COURSES:

There are no prerequisite courses. Recommended prerequisite knowledge: Mathematic, Databases and Networks

### C. LOSSA

**TEACHING and EXAMINATION:**

- GREEK. Exams for ERASMUS students are offered in English.

**THE COURSE IS OFFERED TO ERASMUS STUDENTS:**

- YES

**ELECTRONIC COURSE PAGE (URL)**

- [http://plhroforiaka2.blogspot.gr/?view=classic](http://plhroforiaka2.blogspot.gr/?view=classic)

### LEARNING RESULTS

**Learning results**

The learning outcomes of the course describe the specific knowledge, skills and competences of an appropriate level that students will acquire after successfully completing the course.

Refer to Appendix A.

- Description of the level of learning outcomes for each cycle of study according to the European Higher Education Area Qualifications Framework
- Descriptive Indicators of Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Annex B.
- Curriculum Vitae Summary Guide

**Learning outcomes of the course**

At the end of this course the student will:

1. has been introduced to the problems of daily support of the operation of information systems,
2. has experienced many, unknown aspects of the process of development, application, maturation and destruction of information systems,
3. has understood the positions and roles of end users in the operation of the information system,
4. has been informed of IT developments and the requirements of the public and private sector by an engineer,
5. has the ability to guide the changes brought about by technology developments.

**Skills**

At the end of the course, the student will have further developed the following skills:

1. ability to evaluate team performance by engineers developing the new system and end-user group,
2. Ability to apply methodologically this knowledge to understand and solve practical problems,
3. ability to use modern data analysis methods and corresponding specialized software systems,
4. Ability to work with others to solve problems
General Capabilities

Considering the general competencies that the graduate must have acquired (as listed in the Diploma Supplement and listed below), which one(s) the course is intended for?

- Search, analyze and synthesize data and information, using the necessary technologies
- Project design and management
- Adapt to new situations
- Respect for diversity and multiculturalism
- Decision making
- Respect for the natural environment
- Autonomous work
- Demonstration of social, professional and moral responsibility and sensitivity to gender issues
- Teamwork
- Exercise of criticism and self-criticism
- Work in an international environment
- Promote free, creative and inductive thinking
- Working in an interdisciplinary environment
- Couse design and management
- Producing new research ideas
- Respect for the natural environment
- Exercise of criticism and self-criticism
- Promotion of social, creative and inductive thinking

Search, analyze and synthesize data, information and knowledge using the necessary software systems

Making decisions with different time horizons and content

Independent study of empirical practices

Team work and social work

Design and management of information technology projects

Carried out dialogue and development of critical thinking

Design and management of information technology projects

Dialogue and development of critical thinking

COURSE CONTENT

The course examines a number of issues relating to the implementation process and the integrated support of a new information system, which should:

1. Creating production environments and, at the same time, developing new applications with particular emphasis on job descriptions and system security, i.e., granting access rights, emergency plans, disaster recovery plan, and so on.

2. To inform, educate and ensure the active participation of end-users in the development, implementation and continuous upgrading of the products and services provided by the system, with particular emphasis on dealing with complaints, providing appropriate incentives and the role of the highest management in resolving conflict situations.

3. The technical support of system operation (version control), dominated by a quick implementation issue and acceptance of changes (change control & management), imposed by the developments in the organization's environment, and the immediate treatment issues that may exist in software (error control).

4. Monitoring performance to the IT department, the system operation cost and the technological and business risks called to face if an organization with the aim to upgrade the quality of the system and avoid early failures.

5. Rational use of content with modern data analysis methods, use of specialized software packages and examples of applications.

TEACHING AND LEARNING METHODS - EVALUATION

<table>
<thead>
<tr>
<th>delivery method</th>
<th>Face to Face, Distance Learning, etc.</th>
</tr>
</thead>
</table>

Information and communication technologies are used to communicate with students. E_class, e_mail and forum are used

<table>
<thead>
<tr>
<th>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of ICT in Teaching, in Laboratory Education, in Communication with Students</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TEACHING ORGANIZATION</th>
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<tbody>
<tr>
<td>Describe in detail the way and methods of teaching.</td>
</tr>
<tr>
<td>Lectures, Seminars, Laboratory Exercise, Field Exercise, Study &amp; Analysis of Bibliography, Tutorial, Practice (Placement), Clinical Exercise, Artistic Lab, Interactive Teaching, Educational Visits, Project Work, etc.;</td>
</tr>
<tr>
<td>Enter the hours of student study each learning activity and the non-guided study hours that the total workload in half level corresponds to the standards of ECTS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Activity</th>
<th>Workload of Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lessons</td>
<td>2x14 = 28</td>
</tr>
<tr>
<td>Cram school</td>
<td>1x14 = 14</td>
</tr>
<tr>
<td>Laboratory exercise</td>
<td>2 x 14 = 28</td>
</tr>
<tr>
<td>Self-study and preparation</td>
<td>3 x 14 = 42</td>
</tr>
<tr>
<td>Weekend study</td>
<td>2 x 14 = 28</td>
</tr>
<tr>
<td>Preparing notes and examinations</td>
<td>3 x 10 = 30</td>
</tr>
<tr>
<td>Organizing an educational trip</td>
<td>3 x 4 = 12</td>
</tr>
<tr>
<td>TotalMatch</td>
<td><strong>182</strong></td>
</tr>
</tbody>
</table>
## ASSESSMENT OF STUDENTS

**Description of the evaluation process**

Assessment Language, Assessment Methods, Formulation or Conclusion, Multiple Choice Test, Short Response Questions, Test Questions, Problem Solving, Written Work, Reporting / Reporting, Oral Examination, Public Presentation, Laboratory Work, Clinical Patient Examination, Artistic Interpretation, Other

Certainly identified evaluation criteria are stated and if they are accessible to students.

- Final examination (2/3 of the total grade) including judgment questions
- Progress (1/3 of the total grade)
- The evaluation criteria are included in the lesson notes

## RECOMMENDED - BIBLIOGRAPHY

- **Suggested Bibliography:**
  
  Notes by the teacher
  Joseph Phillips, IT Project Management, Published by M. Giourdas, Athens, 2007

- **Summer scientific journals:**
  
  - ACM Transactions on Information Systems
  - International Journal on Semantic Web and Information Systems
  - European Journal of Information Systems
  - Journal of Intelligent Information Systems
  - Journal of Strategic Information Systems
  - Management Information Systems Quarterly