

Course title: Enterprise Resource Planning Systems (ERP Systems)

Instructor: Constantinos Stefanou, MSc, PhD

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Semester: Winter

ECTS: 6

Workload during semester: 150 hours

Course overview

The course aims at providing students with knowledge to understand the philosophy and concept of enterprise resource planning through the relevant technology and to become able to apply the ERP knowledge acquired in a real business environment

Course outline per week

1st week: Introduction, objectives and outline of the course

2nd week: Definition/ Philosophy /Characteristics of ERP

3rd week: ERP system modules

4th week: Functions vs business processes

5th week: Order-to-Cash process

6th week: Purchase-to-Cash process

7th week: Organizational structures and ERP

8th week: ERP system Lifecycle

9th week: Implementation methodologies

10th week: Selection, implementation, evaluation of ERP systems

11th week: SAP ERP 1

12th week: SAP ERP 2

13th week: Students' assignments presentations

Capabilities developed in the course

- Disciplinary Knowledge and Practice
- Critical Thinking
- Solution Seeking

Learning outcomes:

Students are expected to:

- Understand the role and importance of ERP systems
- Understand how ERP systems are implemented in an organization
- Evaluate and assess the challenges ERP systems impose in an organization

Assessment methods

- Assignment: 30%
- Exams: 70%

NOTE: A student's assessed work may be reviewed for potential plagiarism or other forms of academic misconduct.

Delivery mode

- Lectures

NOTE: The recording of any class on a personal device requires the permission of the instructor

Learning resources

- Course material, ppt presentations, exercises
- Digital platforms: Eclass

Reading list

Bradford, M. (2010) "Modern ERP: Select, implement and use today's advanced business systems," 2nd ed., ISBN-10: 0557434076

Magal, S.R. & Word, J. (2011) "Integrated Business Processes with ERP Systems", ISBN10: 0470478446

Monk, E. (2008) Enterprise Resource Planning, 3rd ed., ISBN-13: 978-1423901792