year	code	course name	ECTS	type	semester	educational activity type	ECTS	hours	faculty
1	F9201P026	INFORMATION SYSTEMS	6	optional	second semester	lecture	4	32	Batini Carlo
						practice exercise	2	20	Batini Carlo

CV: http://www.unimib.it/go/176181440

Contents

- Structure and goals of an information system (IS).
- A language for process modeling: BPMN.
- Efficiency and effectiveness of ISs and processes
- Intra-organization and Networked eBusiness ISs.
- Networked eBusiness ISs. Basics and introduction to the Boat framework.
- Networked eBusiness ISs. The Boat framework: Business, Organization, Architecture, Technology issues. Case studies.

Textbooks

G. Viscusi, C. Batini, M. Mecella - Information systems for eGovernment – Springer Verlag, 2010.
P. Grefen – Beyond eBusiness – Towards Networked Structures, Routledge, 2016.

Course objectives

The student will be able to understand the relationships among organizational, social, economic and technological issues involved in the design of an information system, with specific reference to IS for networked business.
The student will be able to assess the quality and value of the information system as is and optimize the quality and value of the information system to be, with specific reference to IS for networked business.

Prerequisites none

Teaching methods Lecture-based, Lab sessions, Group projects.

Learning assessments Projects and exercises.

Extended Syllabus

1. Introduction to Information Systems
    a. Structure and goals of an Information Systems
    b. Types of information systems
    c. Emerging IT technologies

2. A language for process modeling
    a. Business Process Modeling Notation
    b. Case studies and exercises
3. Efficiency and effectiveness of Information Systems
    a. Efficiency and effectiveness of Information Systems and processes
    b. Efficiency and effectiveness assessment and improvement of processes
    c. Case studies
4. eBusiness networked ISs: basics and introduction to the Boat framework
5. Introduction to Service Science
6. A methodology for the life cycle of ISs
    a. Phases of the methodology: assessment, design, production, costs, management
    b. Case studies