UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Information Systems

2526-1-F1802Q138

Aims

The course provides the knowledge required to understand the role and management of contemporary information systems. The course studies the role of information systems in industrial contexts, discusses the main aspects of design, management, verification, and technological support for information systems.

Contents

- Enterprise Information Systems
- Process and Data Models
- Assessing the efficiency and efficacy of information systems
- Technologies and architectural design

Detailed program

Enterprise Information Systems
* Information system structure
* Data and services
* Data, process and organization models
Process and Data Models
* Business process models
* Data and service models
Assessing the efficiency and efficacy of information systems
* Assessing efficiency
* Assessing efficacy

* Assessing information systems in the cloud
Technologies and architectural design
* The applicative level
* The design of the physical architecture
* Managing the infrastructure

Prerequisites

none

Teaching form

Blended eLearning: lectures, individual study, online exercises, and questionnaires discussed in class:
16 hours of lectures in person in "didattica erogativa" mode
16 hours in e-learning in "didattica interattiva" mode
10 hours on exercises in person in "didattica erogativa" mode
10 hours on exercises in e-learning in "didattica interattiva" mode
All material is in English and the course will be in English if required for international students

Textbook and teaching resource

Book proposed in class
Papers
Exercises

Semester

second semester

Assessment method

Online exercises and questionnaires and oral exam

Office hours

on demand

Sustainable Development Goals

INDUSTRY, INNOVATION AND INFRASTRUCTURE