# Organisation of Corporate Information Systems

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***COURSE AIMS AND INTENDED LEARNING OUTCOMES***

The course aims to examine and systematically convey the most significant aspects of corporate information systems from an organisational and technological perspective. The course also aims to provide students with basic knowledge related to tools and techniques to map, analyse, improve and re-engineer business processes in the context of corporate information systems.

At the end of the course, students will be able to:

* demonstrate knowledge and understanding of the main developing trends that characterise corporate information systems, of the main methodologies for modelling and planning;
* apply knowledge developed during the course to describe and analyse business processes in the field of Corporate Information Systems;
* interpret and independently elaborate independent judgments on implementing new solutions within corporate information systems, focusing on project design and the changes that characterise process interventions;
* acquire technical language that enables effective communication with interlocutors with advanced technical and IT skills and with regular users;
* develop good learning skills to further explore certain aspects of corporate information systems in more advanced studies in an organisational and technological perspective.

***COURSE CONTENT***

The course consists of two parts. The first part aims to analyse the main features of a business information system from an organisational, technological and managerial point of view. The second part explores the management of processes within information systems.

The first module is structured into the following main parts:

* introduction to the role of Information Systems in the business world as a fundamental component to support decision-making processes;
* the Information Systems function and digital skills in the company;
* classification of company information systems;
* modelling and design of Information Systems;
* IT portfolio management and make or buy choices;
* performance of company information systems;
* information systems and new digital trends.
* new professional profiles in the Information Systems area.

The second module is structured into the following parts:

* An introduction to the processes
* How to represent a process
* The Business Process Management (BPM)
* A model of the processes
* Improving and re-engineering processes (BPI-BPR)
* The future trends of BPM
* The management of organisational change

***READING LIST***

Suggested reading for *attending students:*

K. Laudon-J. Laudon-V. Morabito-F. Pennarola, *Management dei sistemi informativi 2 - Progetto e applicazione,* 3rd Edition (only topics covered during lectures).

A. Sinibaldi, *La gestione dei processi in azienda. Introduzione al Business Process Management,* Ed. Franco Angeli. (only topics covered during the lectures).

Supplementary material will be made available on Blackboard during the course. Detailed syllabus and specific reading list will be announced at the beginning of the course during the first lectures.

Course textbooks for *non-*attending students

K. Laudon-J. Laudon-V. Morabito-F. Pennarola, *Management dei sistemi informativi 2 - Progetto e applicazione,* 3rd Edition.

A. Sinibaldi, *La gestione dei processi in azienda. Introduzione al Business Process Management,* Ed. Franco Angeli, chapters: 1; 2 (par. 1.1, 1.2, 1.3, 1.5, 1.7, 1.9, 3); 3 (par. 1, 2, 3, 5, 10); 5 (par 1, 2, 3).

The course slides and the additional material made available on Blackboard constitute study material.

***TEACHING METHOD***

Lectures; discussion of case studies and practical classes; expert guest speakers, project work.

***ASSESSMENT METHOD AND CRITERIA***

With reference to the first course module, students will have the opportunity to take interim test in written form (with open-ended question and multiple-choice questions).

With reference to the second module, students who in the interim test obtained a mark of at least 6, may - during the first summer exam session - take a 'completion' test consisting of a group project and a written test with multiple-choice questions, on the contents of the second module. The group work consists of a project in which, starting from a business scenario (real or likely), students will have to apply process management techniques and tools. The possibility of taking the 'completion test' is also guaranteed to students who intend to refuse the mark they received for the first module. In such a case, the student's knowledge and skills regarding the first module will have to be tested by way of a written interim test, taken in the first summer exam session, under penalty of losing the mark for the second module.

Students who do not intend to take the interim test, or who achieve a score of less than 6 for the test, will be able to take a single written exam and comprising open-ended questions and multiple-choice questions; the test will cover the two texts indicated in the reading list and additional materials made available on Blackboard, linked to the contents of the first and second module. It will be possible to take the single exam in any one of the exam sessions foreseen in the academic calendar.

The closed questions aim to assess the student's theoretical knowledge and understanding, while the open-ended questions and the project aim to assess the student's ability to translate their knowledge in an applied way or to derive its main implications.

The final mark is derived from the sum of the marks obtained in the individual tests.

More detailed information about test content and scores is available in Blackboard in the course area.

***NOTES AND PREREQUISITES***

There are no prerequisites for access to this course, which starts from the knowledge bases acquired in the Information Technology and Information Systems (formerly General Information Technology) and Business Organisation courses.

Further information can be found on the lecturer's webpage at http://docenti.unicatt.it/web/searchByName.do?language=ENG, or on the Faculty notice board.