# Business Information Systems

## Professor Francesco Virili

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

The course aims to make students understand the key role of the information systems function in the business environment, to build an overview of scientific research topics in the information systems field and their application in a digital transformation environment of organizations.

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

* Know how to identify and analyze scientific contributions in the field of Information Systems
* Distinguish and explore the main thematic areas of IS research
* Apply IS research and theories to concrete cases of digital transformation

***COURSE CONTENT***

* Information systems.
  + Corporate information systems.
  + The development of information systems.
  + The outsourcing of information systems.
* Research in information systems.
  + The discipline: history, research groups, conferences and scientific journals
  + Research methods, research topics, levels of analysis and reference theories
* Digital transformation and fields of application of information systems
  + Digital transformation
  + Areas of application of information systems

***READING LIST***

Learning material produced by the instructor.

Suggested readings:

G. Bracchi-C. Francalanci-G. Motta, *Sistemi Informativi per l’impresa digitale,* McGraw-Hill, 2005.

M. De Marco-G. Bruschi-E. Manna-G. Giustiniani-C. Rossignoli, *Sistemi informativi ed elaboratori elettronici,* Il Mulino, 1987.

G. Destri, *Introduzione ai sistemi informativi aziendali,* Franco Angeli, 2013.

J. Valacich, C. Schneider, A. Carignani, V. Gemmo, F. Rajola, *Sistemi informativi e trend digitali,* Pearson, 2019.

***TEACHING METHOD***

Lectures. IT entrepreneurs and managers will be invited to share their experience through the live discussion of case studies.

The whole teaching material is available on the Blackboard learning platform.

***ASSESSMENT METHOD AND CRITERIA***

Written exam and continual assessment of students’ participation in class.

The 60-minute written test is divided into two parts: one with 15 close-ended questions, and one with 3 open-ended questions. The second part will not be marked unless the first part achieves a score of at least 8/15.

The mark carried by the first part is structured as follows: any correct answer gets + 1/30; any wrong answer gets – 0,5/30.

In the second part, any correct answer may get a maximum score of 5/30.

The following factors will also be influential in determining the final mark: relevance of content, usage of technical language, clarity of expression.

***NOTES AND PREREQUISITES***

Basic knowledge of ICTs and information systems.

***OFFICE HOURS***

Information on office hours is available on the Professor's personal page at <http://docenti.unicatt.it/>.