# ICT [2 Cfu]

## Prof. Carlo Patrucco

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

The course aims to provide students with an overview of the ICT as it is leveraged by large corporations with specific focus on Banking.

Practical sessions will be delivered to give main elements of usage of Excel.

Once completed the course, the student will:

– understand the main components of an IT system;

– know the taxonomy of a typical banking IT system;

– understand the main risks associated with the usage of IT systems;

– use the main functionalities of a spreadsheet (i.e., Excel).

***COURSE CONTENT***

The course will be structured with two main sections:

*Theoretical Part*

Overview of ICT (Information and Communication Technology)

Teaching Method: lessons delivered by the professor in the classroom

*Exercises*

Contents: Overview of Excel main functionalities.

Teaching Method: exercises provided by the professor in the classroom and delivered through Blackboard.

During the first part of the course (lessons 1, 2 and 3) the following subjects will be discussed:

– Short history of ICT

– Algorithms: definition and current use (abuse)

– Computer overview

– Internet and the WWW

– Binary system and Boolean Algebra

– Data management, Big Data and Analytics

– Cloud Computing

– New trends (e.g., IoT, Cognitive Computing)

– ICT in the banks

– Taxonomy of a Banking IT system

– Security and Data Privacy

Lessons 4, 5 and 6 will mainly be exercises on Excel:

Excel overview

Main math and financial formulas

Main text and logical formulas

***READING LIST***

Students will be required to prepare on their notes as well as on the reading materials which will be uploaded on the Blackboard page of the course.

***TEACHING METHOD***

Learning aids

Charts leveraged during the theoretical part will be downloadable through Blackboard but, as chart are not self-explanatory, the attendance to course is essential to achive the course goals.

***ASSESSMENT METHOD AND CRITERIA***

Final evaluation will be through a computer supported exam based on multiple choice questions and Excel exercises. The exam will be structured on 15 questions related to theoretical part, 5 linked to Excel and 2 Excel exercises

The exam will last 30’ and will entitle to an eligibilty.

There are no “salto d’appello”.

Enrollment is mandatory and shall be done through the student web personal page iCatt. Exam will be recorded at the end of the exam itself.

***NOTES AND PREREQUISITES***

No prerequisites are needed.

*Contact*

The Lecturer meets students according to the timetable published on Pagina Personale Docente (*http://docenti.unicatt.it*).