

# Computer science elements for cultural heritage

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## Course Aims

The main objective of the course is to introduce the basic and fundamental concepts of computer science, thus providing skills useful for everyday and business life. This will enable students to understand the fundamentals of computer science for the understanding and use of the main tools used in companies.

The course is not intended to be an exhaustive course, upon completion of the lessons, students will be able to understand computers and telecommunications networks from a hardware and software perspective, the use of work tools (such as worksheets), and the fundamental concepts underlying Artificial Intelligence.

The content will therefore be divided into three teaching modules, the first and third being predominantly theoretical and the second more practical. Concrete examples will be provided for each module and concept discussed.

## Contents

Computer Science Introduction:

- computer science basics;
- computer (hardware and software);
- telecommunication networks (hardware and software).

Worksheets:

- introduction and graphical environment;
- data entry and formatting; • formulas;
- charts.

Artificial Intelligence:

- introduction and basic concepts; • tools, applications and implications.

## Exam

The exam will be oral and will consist of three questions (one practical exercise and two theoretical questions) on the three main modules of the course.

The exam format and evaluation criteria will be described and discussed in detail during the course.

## Bibliography

Slides used during the course made available to students.

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