

T067 – INF/01 Information Systems

Academic Year 2017 / 2018

Prof. Filippo Castiglione

Chapter 0

Introduction to the course

Orientation

• Instructor:

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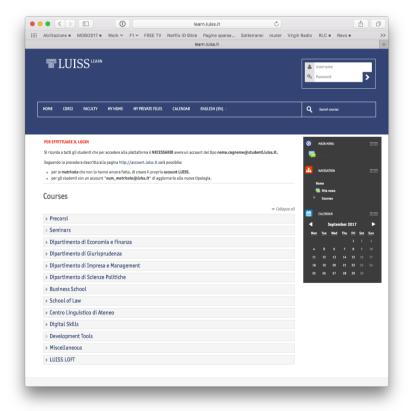
Orientation

- Office hour
 - When: Tuesday 16:00 17:00
 - Where: Viale Romania IV floor professor room

Orientation

Class Web Page

http:// http://learn.luiss.it



Classes

Tuesday	Friday
14:30 – 16:00 [A101]	13:45 – 15:15 [info A306]

Information society



- An information society is a <u>society</u> where the creation, distribution, use, integration and manipulation of <u>information</u> is a significant economic, political, and cultural activity.
- Its main drivers are digital <u>information</u> and <u>communication</u> <u>technologies</u>, which have resulted in an <u>information explosion</u> and are profoundly changing all aspects of social organization, including the economy, education, health, warfare, government and democracy.

In the Internet era, where information can be <u>exchanged</u> via multiple carriers and applications, Information Systems (IS) are at the heart of almost every business interaction, process and decision.



Hence, managers and entrepreneurs underestimating the IS value within the organizational system, risk to drop participation or definitively miss important decisions.

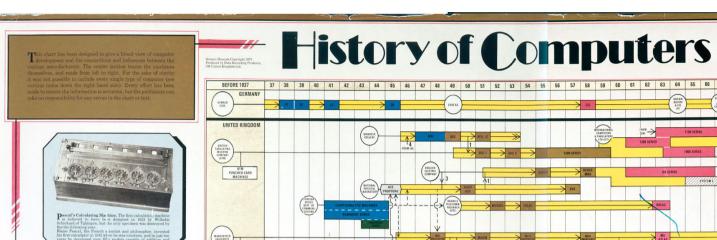
Based on these considerations, a <u>basic knowledge</u> of what a computer system is represents a fundamental building block for students in economics and business.

All of them will interact daily with enterprise IS/Information Technologies (IT), some will even manage IS departments or IT companies, facing the complexity of decisions to be taken in this quickly evolving area with great technical and economical potentialities.

The course is focused on the fundamental topics of the Information Systems, as Computer Systems, Computing Components and Architecture, Communications and Networks, Databases, Knowledge Management and Decision Systems, and Information security.

Learning Objectives

- To understand what an IS is.
- To explain how IT impacts upon organizations.
- To analyse the necessity for IS in the management of modern, and increasingly global, organizations.
- To recognize that IT professionals need to understand how an organization operates in order to effectively apply technology to make the organization more efficient and competitive.
- To explain how an organization must change in order to successfully capitalize on the use of IS and the consequent impact on organizational structure and employees.
- To identify how the benefits of using IS may be measured and assessed, and contrast with existing practice.











GENERAL NOTES

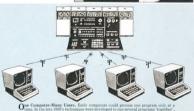
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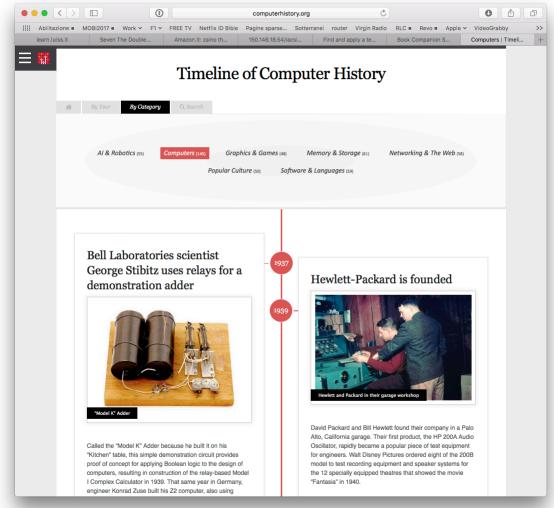




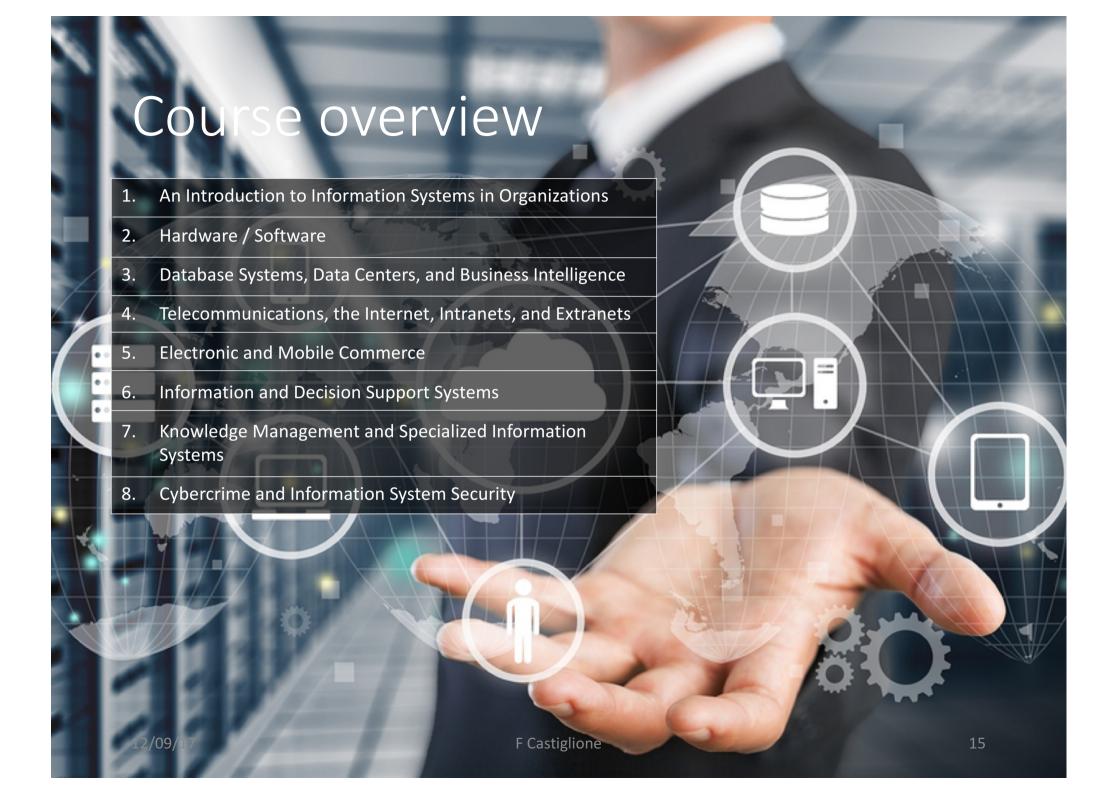




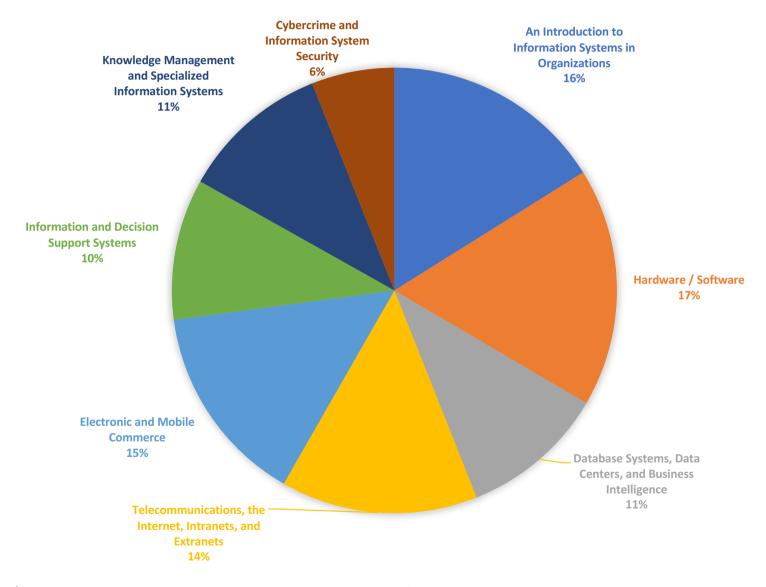
Timeline of Computer History



http://www.computerhistory.org/timeline/computers/



T067 course overview: macro-topics

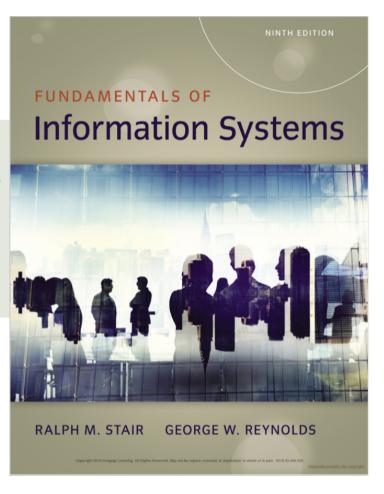


Reference book

Ralph Stair, George Reynolds

Fundamentals of Information Systems (9th edition)
Course Technology; 9 edition (March 6, 2017)

ISBN-13: 978- 1337097536



Teaching Method

Class:

theory / slides

Laboratory:

Basic skills for Microsoft Office

Teacher: Dr. Alessandro Palma

Evaluation/Exams

- With mid-term evaluation
 - Mid-term examination (Fri Nov 3 + Tue Nov 7, 2017)
 - Multiple choice test regarding the <u>first part</u> of the course
 - Lab/practice with MS Office Word/PowerPoint
 - Final examination
 - Multiple choice test regarding the <u>second part</u>
 - Lab/practice with MS Office Excel
- Without mid-term evaluation
 - Final examination
 - Multiple choice test regarding the whole program
 - Lab/practice with MS Office Word/PowerPoint/Excel

Calculation of the score

• With mid-term evaluation

- Mid-term examination
 - 15 multiple choice questions. Score S'_T max 15 (+1 correct, -0.5 wrong)
 - \circ Lab/practice. Max score $S'_p = 15$

Pass only if S =
$$(S'_T + S'_P) >= 18$$

- Final examination
 - 15 multiple choice questions. Score S"_⊤ max 15 (+1 correct, -0.5 wrong)
 - Lab/practice. Score S"_P max 15

Total score
$$S = (S'_T + S'_P + S''_T + S''_P)/2$$

Without mid-term evaluation

- Final examination
 - 30 multiple choice questions. Score S_T max 30 (+1 correct, -0.5 wrong)
 - \circ Lab/practice. Score max $S_p = 30$

Total score
$$S = (S_T + S_p)/2$$

Acknowledgements





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End

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