Computer Systems – Study guide

UD 02. FUNCTIONAL ELEMENTS OF A COMPUTER

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Nomenclatura

A lo largo de este tema se utilizarán distintos símbolos para distinguir elementos importantes dentro del contenido. Estos símbolos son:

🕮 Importante

⚡ Atención

📢 Interesante

INDEX

UD02. FUNCTIONAL ELEMENTS OF A COMPUTER

1. DATA

From 07/10/2019 to 20/10/2019. The length of the unit is 2 weeks (16 hours).

2. PREVIOUS KNOWLEDGE

- Basic knowledge about computers.

3. OBJECTIVES

1. To learn the historical evolution of computers.
2. To learn which are the functional elements of a computer.
3. To learn the most used computer architectures.
4. To learn what is the instruction cycle.
5. To learn differences between CISC and RISC CPUs

4. CONTENTS

1. Historical evolution
2. Functional elements of a computers
3. Computer architectures
4. Instruction cycle
5. Instruction set
6. RISC and CISC CPUs

5. ACTIVITIES

It is very important to read the notes and perform the exercises. This exercises are not part of assessment, but note that it is very common to have several questions from this unit in the exam.

6. RECOMMENDATIONS

It is very important to go to the TC with the main concepts studied.