

# UNIT 05.FUNDAMENTALS OF OPERATING SYSTEMS

Study guide

Computer Systems
CFGS DAW

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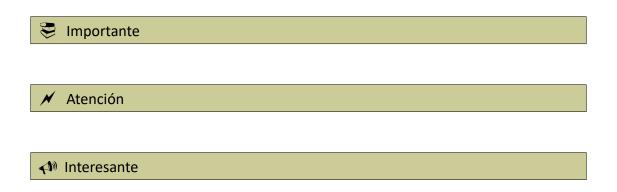
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#### Nomenclatura

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



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### UD05. FUNDAMENTALS OF OPERATING SYSTEMS

#### 1. DATA

From 30/11/2020 to 13/12/2020. The length of the unit is 2 weeks (24 hours).

#### 2. PREVIOUS KNOWLEDGE

Knowledge about hardware.

#### 3. OBJECTIVES

- 1. To learn how an operating system works.
- 2. To learn which tasks does an operating system.
- 3. To learn algorithms about process.
- 4. To understand how the O.S. manage the memory.

#### 4. CONTENTS

- 1. Classification of operating systems.
- 2. Main functions of an operating system.
- 3. Process management algorithms.
- 4. Memory management.
- 5. File-system features.
- 6. I/O management.

#### 5. ACTIVITIES

You have two kinds of activities.

- 1. Research and development activities. You have to search information (most of it not studied in the contents) and write about it.
- 2. Practical activities about process management.

#### 6. RECOMMENDATIONS

The activities help you to order and clarify ideas. Besides, there is a test to help you to check your

knowledge.