

<b>SYLLABUS:</b> ADMINISTRATION OF DATABASES MANAGEMENT SYSTEMS	<b>CREDITS:</b> 5 ECTS
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<b>COMPETENCES</b>
<b>AFTER COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO:</b>
C1: Implement Databases Management Systems.
C2: Configure Databases Management Systems.
C3: Implement access control methods
C4: Automatize management tasks of Databases Management Systems.
C5: Optimize Databases Systems Performance.

<b>COMPETENCES DISTRIBUTION</b>			
<b>COMPETENCE</b>		<b>ESSENTIAL</b> 70% TIME 70% MARK	<b>IDEAL</b> 30% TIME 30% MARK
C1	Install Databases Management Systems	x	
	Document the installation process		x
	Verify the correct operation of the Database Management System	x	
C2	Configure tools and software client of the Database Management System	x	
	Ensure management accounts		x
C 3	Define user accounts and identify privileges on the database and its elements	x	
	Ensure compliance with safety requirements		x
C4	Define and use scripts to automate tasks	x	
	Define triggers		x

C5	Optimize system resources	x	
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## CONTENTS

INFORMATION; DATA; DATABASE;

DATABASE MANAGEMENT SYSTEM (DBMS)

DBMS ARCHITECTURE; ANSI/SPARC ARCHITECTURE

DATA DICTIONARY; LOG

CLIENT; SERVER

SQL

ADMINISTRATION ACCOUNTS; PRIVILEGE; ROLE

VIEW; QUERY; TABLE; ROW; COLUMN

SCRIPT; EVENT; TRIGGER; FLOW CONTROL STRUCTURE

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