



Lesson plan

Subject of the lesson	Databases management		
Name of education	Administration of networked computer systems		
Name of the course	Relational databases		
Duration of course	3 hours 15 minutes		
Learning objectives	<ol style="list-style-type: none"> 1. Knowing what databases are and their basic functions. 2. Knowing main database models 3. Learning to work with relational databases 4. Learning to create tables with their fields, and the different values domains for every field. 5. Learning to establish relations and restrictions between the tables of a relational database. 		
Initial situation	<ul style="list-style-type: none"> - Students are all of them 18 and older and they are in the 1st month of the 1st year of this education. - They are beginning to learn basic concepts about databases. - In this lesson they will learn how to create simple relational databases, with their tables, fields, relations and restrictions. 		
Time	Learning objectives	Learning activity	Learning sources
Start 60 minutes	Students learn what the lesson is about. Students learn what is a database and why they are so important . Students learn the most used models of data bases and their basic features.	Showing the videos: <ul style="list-style-type: none"> - Introducción a las bases de datos - Modelos de bases de datos Students try to look up on the internet, different models of databases to compare them, explaining their advantages and disadvantages. Students try to find out what databases are use in some of the most popular applications.	A computer A conection to the internet The educational platform of the subject

<p>Middle 90 minutes</p>	<p>Students learn details about the relational database model.</p> <p>Students learn on how to install a database.</p> <p>Students learn on how to create a relational database.</p> <p>Students learn on how to create tables with different type of fields.</p> <p>Students learn on how to establish relations and restrictions between tables.</p>	<p>Showing the video:</p> <ul style="list-style-type: none"> - El modelo relacional. <p>Showing the videotutorials:</p> <ul style="list-style-type: none"> - Instalación de la base de datos Base de LibreOffice. - Creación de una base de datos en Base <p>Students install Base, the Libreoffice software database.</p> <p>Students practise doing some exercises creating databases tables with different types of fields.</p> <p>Students practise creating relations between tables with different types of restricciones.</p>	<p>A computer</p> <p>A conection to the internet</p> <p>The educational platform of the subject</p> <p>LibreOffice software</p>
<p>End 45 minutes</p>	<p>Students know how to create a database.</p> <p>Students know how to add tables to a database.</p> <p>Students know how to establish relations with restrictions between tables of a database.</p> <p>Students know how to create additional information to a created database and how to adapt it to the new information.</p>	<p>Students do the activity "Bases de datos relacionales" proposed in the evaluation section and they are graded.</p>	<p>A computer</p> <p>A conection to the internet</p> <p>The educational platform of the subject</p> <p>LibreOffice software</p>