

GIMAS7AG INFORMATION SYSTEMS AND DATABASES

GIMAS7AG		ECTS Credits: 2		Semester: S7
Information Systemes and Databases		Duration: 21 hours		
Person(s) in charge:				
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Keywords: Information systèmes, Databases, Entity – Relation Model, Relational Model, SQL.				
Prerequisites: None				
Objective:				
Design and implementation of databases				
Program and contents:				
The purpose of this course is to introduce information systems and to delve deeper into their static aspect. The goal is to acquire the necessary skills for modeling information and learning the methods and tools to implement database applications, from their design to their definition and all the way to their interrogation.. Two models will be studied: the relational model and the entity association model.				
Content				
<ul style="list-style-type: none">• General Concepts: system information, Databases• Entity – Relation Model (the data conceptual model)• Relational Model (the data logical model)• Relational algebra• SQL Language				
Assessment methods				
Design and implementation of databases using Access				
Abilities:				
Levels	Description and operational verbs			
Know				
Understand				
Apply				
Analyze				
Summarise				
Asses				
Evaluation:				
<input type="checkbox"/> Written test	<input type="checkbox"/> Continuous Control	<input type="checkbox"/> Oral report	<input type="checkbox"/> Project	<input type="checkbox"/> Written report