

ISS7AD MODEL DRIVEN ARCHITECTURE AND UML

ISS7AD		ECTS Credits: 2		Semester: S7	
Model Driven Architecture and UML		Duration: 21 hours			
Person(s) in charge :					
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Keywords : Software's life cycle, model driven design, UML					
Prerequisite : Knowledge of an object oriented programming language					
Objective: In this course, students will learn how and why model driven designs can be used for software development while focusing on the main risks of software development. The theoretical part of the course will consist of the use of the UML language.					
Program and Contents:					
Themes :					
- the lifecycle of a software project					
-risk analysis which is specific to software projects management					
-software engineering					
UML:					
<ul style="list-style-type: none">• Use case diagram• Class diagram• Activity diagram• State charts• Sequence diagram					
Abilities:					
Levels		Description and operational verbs			
Know		Software lifecycles notions, development methods			
		Digital design notions			
Understand		UML Diagrams			
Apply		On a model driven project			
		Agile development methods			
Analyse		A problem's difficulty, risks, the priority of an issue or an other.			
Summarise		A conception plan for the project			
Assess		A task's difficulty.			
		The priority of an operation			
Evaluations :					
<input type="checkbox"/> Written Test		<input checked="" type="checkbox"/> Continuous Control		<input type="checkbox"/> Oral report	
		<input checked="" type="checkbox"/> Project		<input type="checkbox"/> Written Report	