ISS9AD INFORMATION SYSTEMS RISKS AND SECURITY

ISS9AD		Duration : 42 hours	Credits: 2 ECTS	Half term: S7
Information systems risks and sec	urity			
Person(s) in charge :				
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Keywords: Security, Confidentiality, Integrity, Cryptography, model-checking, time logic				
Prerequisites: None				
Objective : Security issues of information systems				
Content:				
Digital acquirity				
Digital security Cryptography				
Access control Protocols				
Malwares				
Software security				
State of the art of the issue Model checking				
• TLA				
Automatized proof				
Abilities:				
Levels Description and operational verbs				
Levels	Description and operational verbs			
Know	The risks of information systems, the different types of threats, the protection methods, their limits, the security issues, the links with security			
Hard-and				
Understand	The ordeals of security, the protection methods, the model checking, the TLA language, the link between modelling and security			
Apply	Implement the methods linked to security issues			
	System Verification			
Analyse	Threats, system security issues, entry ports, failures costs			
Summarise	Information System models			
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Assess				
Evaluations:				
Written test	Continuous	Oral Report	✓ Project	Written Report
	Control			