

CIST 1602 - Security Policies and Procedures (version 201003L)

Course Title Course Development Learning Support

Security Policies and Procedures Standard No

Course Description

This course provides knowledge and experience to develop and maintain security policies and procedures. Students will explore the legal and ethical issues in information security and the various security layers: physical security, personnel security, operating systems, network, software, communication and database security. Students will develop an Information Security Policy and an Acceptable Use Policy.

Pre-requisites

Pre-requisites: None

Regstr. Co-requisites

Regstr. Co-requisites: None

True Co-requisites

True Co-requisites: None

Course Length

	Lecture Contact Time	Regular Lab Type	Reg. Lab Contact Time	Other Lab Type	Oth. Lab Contact Time	Total Contact Hrs
Contact Hours Per Week	3 hrs	N/A	0 hrs	N/A	0 hrs	3 hrs
Contact Min/Hrs Per Semester	2250 min		0 min		0 min	45 hrs
	Lecture Credit Hours	Lab Credit Hours	Total Credit hours	WLU		
Semester Credit Hours	3	0	3	101.25		

Competencies & Outcomes

Order Description

1 Security Policies

Order	Description	Learning Domain	Level of Learning
1	Define risk assessment and risk management.	Cognitive	Knowledge
2	Discuss how to form a team for security analysis.	Cognitive	Comprehension
3	Identify assets and their values.	Cognitive	Knowledge
4	Identify threats, their probability and cost.	Cognitive	Knowledge

2 Organization Information Security

Order	Description	Learning Domain	Level of Learning
1	List security concerns with hardware, software, data, and people.	Cognitive	Knowledge
2	List security issues with physical security, personnel, operating systems, communications, access, documentation and systems/software development.	Cognitive	Knowledge

3 Security Plan

Order	Description	Learning Domain	Level of Learning
1	Discuss at least one published security model (such as ISO, VISA or NIST).	Cognitive	Comprehension
2	Discuss contents of a general organizational security program statement or policy.	Cognitive	Comprehension
3	List types of security policies that are issue specific and distributed to users (such as passwords, e-mail, and acceptable/remote use).	Cognitive	Knowledge
4	List types of security standards and procedures that are used to configure or maintain a system (such as access control lists and configuration rules).	Cognitive	Knowledge
5	Discuss items included in: Incident Reporting Plan, Disaster Recovery Plan and a Business Continence Plan.	Cognitive	Comprehension

4 Implement and Maintain a Security Plan

Order	Description	Learning Domain	Level of Learning
1	Discuss importance of security training and education.	Cognitive	Comprehension
2	Discuss security management model (such as ISO network management model or security systems development life cycle).	Cognitive	Comprehension
3	Discuss issues involving compliance and enforcement.	Cognitive	Comprehension

5 Information Security Policy Development

Order	Description	Learning Domain	Level of Learning
1	Prepare a general security policy for a business that supports the mission, vision, direction of the business and sets the tone of security efforts within the organization.	Cognitive	Application