THOMPSON RIVERS UNIVERSITY

Course Outline

Management, Information and Supply Chain
School of Business & Economics MIST
4620 - **3.00** - Academic

Information Security Management

Rationale

MIST 4620 – Information Security Management for Business is a required course in the proposed Management Information Systems (MIS) Minor.

Calendar Description

Students develop a general understanding of information technology security. Dependency on computer technology and the Internet has grown to a level where all organizations must devote considerable resources to managing threats to the security of their mobile, desktop and networked computer systems. Topics include introduction to information security; basic need for security; legal, ethical, and professional issues; risk management; information security policies and procedures; information security planning; access control systems and methodology; principles of cryptography; and operations security.

Credits/Hours

Course Has Variable Hours: No
Credits: 3.00
Lecture Hours: 3.00
Seminar Hours: 0
Lab Hours: 0
Other Hours: 0
 Clarify:
Total Hours: 3.00
Delivery Methods: (Face to Face)
Impact on Courses/Programs/Departments: None is expected
Repeat Types: -
Grading Methods: (S - Academic, Career Tech, UPrep)

Educational Objectives/Outcomes

1. 1. Explain the basic concepts of information security.
2. 2. Describe the threats to the security of computer systems.

3. 3. Summarize legal requirements of data protection and laws regulating the use of data in business.
4. 4. Identify risks and develop a risk management plan.
5. 5. Outline a complete information security plan.
6. 6. Understand threats associated with external attacks on computer networks.
7. 7. Illustrate the principles of different encryption techniques.
8. 8. Develop a small business continuity and disaster recovery plan.
9. 9. Manage daily information security tasks.

Prerequisites

CMNS 1290-Introduction to Professional Writing
MIST 2610-Management Information Systems

Co-Requisites

Recommended Requisites

Exclusion Requisites

Texts/Materials

Other

1. **Required** Rhodes-Ousley, Mark, Information Security: The Complete Reference, 2nd Edition, McGraw Hill.
2. **Required** Merkow, Mark; Breithaupt, Jim, Information Security: Principles and Practices, 2nd Edition, Pearson.

Easttom II, William, Computer Security Fundamentals, 2nd Edition, Pearson.

Student Evaluation

The Course grade is based on the following course evaluations.

Course Topics

Topics include introduction to information security; basic need for security; legal, ethical, and professional issues; risk management; information security policies and procedures; information security planning; access control systems and methodology; principles of cryptography; and operations security

Methods for Prior Learning Assessment and Recognition

As per TRU Policy