

CRN 11551 CST K275
Course Syllabus Spring 2012 (Wednesdays)
Information and Network Security

General Course Information

Course: CRN 11551, CST K275 Information and Network Security, Room B227

Hours: Lecture: 1720 -2005, Lab: 2010 - 2150

Instructor: Ronald Leask

Office: Three Rivers Community College Room C170

Office Hours: M, 0900-1200 F, 1100-1300 hours

Office Phone: 885-2391

E-mail: rleask@trcc.commnet.edu, Please e-mail me if you cannot attend class

Textbook: 1).Corporate Computer and Network Security 2/e, Raymond R. Panko, Prentice Hall/Pearson, 2010, ISBN -13-978-0-13-185475-8

Lab Manual: 2).

Reference: Textbook,

COURSE OBJECTIVES: *Prerequisite: CSA* K105 or permission of the instructor.*

Students will become knowledgeable of basic network security. Topics include general security concepts, including authentication methods along with common network attacks and how to safeguard against them; communication security, including remote access, e-mail, the Web, directory and file transfer, and wireless data; infrastructure security, including various network devices and media, and the proper use of perimeter topologies such as DMZs, extranets, and intranets to establish network security; cryptography basics, including the differences between asymmetric and symmetric algorithms, and the different types of PKI certificates and their usage; operational/organizational security, including its relationship to physical security, disaster recovery, and business continuity; and computer forensics.

Overheads not on CDR will distributed in class or put on mycommnet.

GRADING AND EVALUATION CRITERIA:

50% of grade is based on Homework/Lab assignments

50% of grade is based on end of chapter quizzes, and examinations

Students should keep a course notebook

Syllabus is subject to change to correct errors and when new information becomes available.

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Week	Date (Wednesdays)	Chapter/Topic	Quizzes or Exams	Assignments /Labs
1	1/25/12	Course Overview and Module A, Network Concepts	Get Student's e-mail for	None,
2	2/01/12	Ch 1 The Threat Environment: Attackers and their Attacks		
No Class Thursday, 2 February 2012 Professional Day				
3	2/08/12	Ch2 Planning		
4	2/15/12	Ch3 The Elements of Cryptography		
5	2/22/12	Ch4 Cryptography System Standards		
6	2/29/12	Ch5 Access Control		
7	3/07/11	Ch6 Firewalls		
8	3/14/12	Ch7 Host and Data Security		
No Class March 18-25 2012 Classes Not In Session				
9	3/28/12	Ch8 Application Security		
10	4/04/12	Ch9 Incident and Disaster Response		
11	4/11/12			
13	4/25/12			
14	5/02/12	Review		
15	5/09/12		Exam	
14 May 2012 is Last Day of 15 Week Session				
19 May 2012 is Commencement				