

CRN 11551 CST K275T1
Course Syllabus Spring 2014 (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: **Office hours will be determined when schedule is complete.**

Office Phone: 860-215-9448

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

Textbook: 1).Corporate Computer Security 3/e, Randall J. Boyle and Raymond R. Panko, Prentice Hall/Pearson, 2010, ISBN -13-978-0-13-214535-0

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 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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Student with Disabilities:

If you have a disability that may affect your progress in this course, please meet with a Disability Service Provider (DSP) as soon as possible. Please note that accommodations cannot be provided until you provide written authorization from a DSP.

TRCC Disabilities Service Providers Counseling & Advising Office Room A-119	
Matt Liscum (860) 383-5240	<ul style="list-style-type: none">• Physical Disabilities• Sensory Disabilities• Medical Disabilities• Mental Health Disabilities

Academic Integrity: Academic integrity is essential to a useful education. Failure to act with integrity severely limits a person's ability to succeed in the classroom and beyond. Furthermore, academic dishonesty erodes the legitimacy of every degree awarded by Three Rivers Community College. In this class and the course of your academic career, present only your own work; clearly document the sources of the material you use from others; and act all times with honor. Students may help one another to solve problems related to the online labs or when studying but all students are expected to do their own work in quizzes and exams.

Digication: All students are required to maintain an online learning portfolio in Digication that uses the college template. Using this electronic tool students will have the opportunity to build their portfolio and monitor their growth in college-wide learning. The Three Rivers General Education Assessment Team will select and review random works, from Digication portfolios, to document the overall student college educational experience. The student will keep his/her portfolio and may continue to use the Digication account after graduation.

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<i>Week</i>	<i>Date</i> (Wednesdays)	<i>Chapter/Topic</i>	<i>Quizzes or Exams</i>	<i>Assignments /Labs</i>
1	1/29/14	Course Overview and Module A, Network Concepts	Get Student's e-mail for	None,
2	2/05/14	Ch 1 The Threat Environment: Attackers and their Attacks		
6 February 2014 All College Professional Day – Classes Not In Session				
3	2/12/14	Ch2 Planning and Policy		
4	2/19/14	Ch3 The Elements of Cryptography		
5	2/26/14	EXAM	Appendix A Ch 1-3	
6	3/05/14	Ch4 Secure Networks		
7	3/12/14	Ch5 Access Control		
8	3/20/14	No Class March 17-21 2014 Classes Not In Session		
9	3/26/14	Ch6 Firewalls		
10	4/02/14	Ch7 Host Hardening		
11		EXAM	Ch 4-7	
12	4/09/14	Ch8 Application Security		
13	4/16/14	Ch9 Data Protection		
14	4/23/14	Ch 10 Incident and Disaster Response		
15	4/30/14	Review	Ch 8-10	
16	5/07/14	EXAM		
17	5/14/14			
19 May 14 is Last Day of 15 Week Session				
31 May 14 is Commencement				