

CRN 11551 CST K275T1
Course Syllabus Spring 2015 (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: 860-885-2391

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

Textbook: 1).Corporate Computer Security 4/e, 672 pages, Randall J. Boyle and

Raymond R. Panko, Prentice Hall/Pearson, 2015, ISBN-10: 0-13-354519-9 •

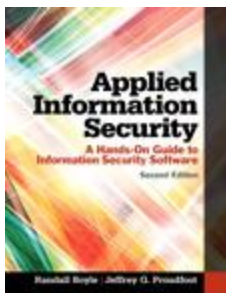
ISBN-13: 978-0-13-354519-7



Lab Manual: 2). Part of text and in the reference text.

Reference: Textbook:

1. Applied Information Security, A Hands-On Guide to Information Security Software 2/e, 512 pages, Randall J. Boyle, Prentice Hall/Pearson, 2014, ISBN 10: 0-13-354743-4; ISBN 13: 978-0-13-354743-6.



2. Hands-On Ethical Hacking and Network Defense, M. T. Simpson, et al, Course Technology, 2013, ISBN-13: 978-1-133-93561-2.

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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, PowerPoints, Exams, will posted on Blackboard.

GRADING AND EVALUATION CRITERIA:

40% of grade is based on Homework/Lab assignments

60% of grade is based on end of chapter quizzes, and examinations

Students should keep a course notebook

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) 215-9265	<ul style="list-style-type: none">• Physical Disabilities• Sensory Disabilities• Medical Disabilities• Mental Health Disabilities
Chris Scarborough (860) 215-932-4145	<ul style="list-style-type: none">• Learning Disabilities• ADD/ADHD• Autism Spectrum

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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.

MYCOMMNET ALERT is a system that sends text messages and emails to anyone signed up in the event of a campus emergency. Additionally, TRCC sends messages when the college is delayed or closed due to weather.

All students are encouraged to sign up for myCommNet Alert. A tutorial is available on the Educational Technology and Distance Learning Students page of the web site. This link should be shared with students.

http://www.trcc.comnet.edu/div_it/educationaltechnology/Tutorials/myCommNetAlert/MIR3.html

Digication and Assessment

All students are required to maintain an online learning portfolio using a TRCC designed template. Through this electronic tool, students can see growth in their college wide learning. The student can keep and continue to use the Digication account after graduation. A Three Rivers General Education Assessment Team will select random works from student portfolios to assess and evaluate. These assessments will help to improve everyone's college experience. No names will be associated with the assessment work; it will remain private and anonymous for college improvement purposes. Students can make multiple portfolios, if desired.

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

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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	1/21/15	Professional Day	NO CLASSES	
2	1/28/15	Course Overview and Module A, Network Concepts		None,
3	2/04/15	Ch 1 The Treat Environment		
5 February 2015 All College Professional Day – Classes Not In Session				
4	2/11/15	Ch2 Planning and Policy		
5	2/18/15	Ch3 Cryptography		
6	2/25/15	EXAM	Appendix A Ch 1-3	
7	3/04/15	Ch4 Secure Networks		
8	3/11/15	Ch5 Access Control		
9	3/18/15	No Class March 15-22 2015 Classes Not In Session		
10	3/25/15	Ch6 Firewalls		
11	4/01/15	Ch7 Host Harding		
11	4/3/15-4/5/15	SPRING RECESS		
12	4/8/15	EXAM	Ch 4-7	
13	4/15/15	Ch8 Application Security		
14	4/22/15	Ch9 Data Protection		
15	4/29/15	Ch 10 Incident and Disaster Response		
16	5/06/15	Review	Ch 8-10	
17	5/13/15	EXAM		
17	5/11/15	Last day to Withdraw from Class		
18	5/18/15	Last Day of 15 Week Session		
18 May 2015 is Last Day of 15 Week Session				
30 May 2015 is Commencement				