

Course: CIS2640-101 Network Security
 MW 9:30-10:45 Room 14312E Fall 2014
 Instructor: Bob Sherman Office: 5111 Telephone: 512-4215
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 Office Hours: MW 8:00-9:00, TR 1:00-2:00, others by appointment

Text: Guide to Network Security Fundamentals by Mark Ciampa (4th Edition)

Purpose: The purpose of this course is to provide the student with fundamental skills and understanding regarding computer and network security and to successfully pass the CompTIA Security+ exam.

<i>Week</i>	<i>Class Date</i>	<i>Topic</i>	<i>Chap</i>	<i>Lab</i>
1	Aug 18-20	Create Virtual Machines Intro to Security	1	1
2	Aug 25-27	Network Security	6	4, 7
3	Sep 1-3	Labor Day (no class) Network Security	6	
4	Sep 8-10	Administering a Secure Network	7	2
5	Sep 15-17	Wireless Network Security	8	5
6	Sep 22-24	Access Control	9	18
7	Sep 29-Oct 1	Business Continuity	13	6
8	Oct 6-8	Risk Mitigation	14	8
9	Oct 13-15	Midterm Exam Malware and Social Engineering	2	9
10	Oct 20-22	Application and Network Attacks	3	10, 11
11	Oct 27-29	Vulnerability Assessment & Mitigating Attacks	4	3, 14
12	Nov 3-5	Host, Application and Data Security	5	12, 15
13	Nov 10-12	Authentication & Account Management	10	13, 17
14	Nov 17-19	Basic Cryptography	11	19
15	Nov 24	Advanced Cryptography	12	16, 20
16	Dec 1-3	Advanced Cryptography	12	
17	Dec 8-10	Final Exam	1-12	

Please note: *Final date to withdraw with a refund and without record is Aug 25, 2014*
Last day to withdraw with a W is Nov 14, 2014
Classes end on Dec 12, 2014

Grades: Your grade for the quarter will be determined as described in Angel. Please read those details carefully and be sure to submit all work as scheduled. Except in the case of extraordinary circumstances, if you are absent from class on the date of an exam, without prior notification via email or voice mail, your grade for that quiz or exam will be not higher than the lowest grade earned by all students in attendance. Exact dates for exams will be announced in class and via email;. Letter grades will be assigned according to the following scale: 90 and above, an A; 80-89 a B; 70-79 a C; 60-69 a D; below 60, an F. In addition, if you have at least a C for the quarter and you pass the CompTIA Security+ certification exam before Jan 5, 2015, then your grade for the quarter will be an A. Class attendance is very important but I recognize that, at times, job, family and other responsibilities make that impossible. Likewise, class participation is greatly encouraged and valued. While not measurable in an objective sense, class participation can sometimes make the difference in grade determination.

Reading: It is important to understand that your text contains much good information but it should not be considered as your only source. Other texts and other resources are available and you should use them frequently to increase your understanding of network security. Summaries of relevant articles read may be considered as a grade improvement strategy. Some other sources to consider:

Bruce Schneier's Cryptogram

Online at <http://www.schneier.com/crypto-gram.html>

Steve Gibson's Security Now podcast

Online at <http://www.grc.com/securitynow.htm>

Microsoft Security Home Page: <http://www.microsoft.com/security/default.mspx>

Exam preparation guides: Security+

The reality of certification exams is that it is very difficult to succeed without the use of study guides specifically oriented to the exam and vendor in questions. The following are some examples of study guides that may be of value in your preparation.

Transcender

MeasureUp

CoursePrep (Course Technology/Thomson Learning)

Test Yourself MCSE by McGraw Hill/Osborne

My.sinclair.edu. This web site is a valuable tool for communicating with each other and for sharing information important to the class. There is an account created here for each student in this class. You should check this site and your account on it on a daily basis.