

Text and Assignment Guide (TAG)
 Weekly Textbook, Assignment, and Homework Schedule for
 Course Number: Name
 Effective: Quarter Year

Note: Based on the number of textbooks for the course, add or delete textbook information lines below, as necessary.

Textbook 1:

Title: Security + Guide to Network Security Fundamentals
 Author: Ciampa
 Edition/Year: 4th
 Publisher: Cengage-Course Tech
 ISBN: 978-1-111-64012-5

Textbook 2:

Title: Lab Manual for Security + guide to Network
 Author: Ciampa
 Edition/Year: 4
 Publisher: Cengage Course Tech
 ISBN: 978-1-111-64013-2

WEEK – SLO(s) and Topic(s) addressed	AUTHOR: CHAPTER NUMBER <u>and</u> CHAPTER TITLE <u>or</u> PAGE NUMBERS (for partial chapter assignments only)	ASSIGNMENTS/HOMEWORK
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<p>1</p> <p>1. Compare and Contrast the challenge of Information security, the terminology and career options for this field.</p> <p>2. Compare, identify and deal with various security attacks and malicious codes</p> <p>3. Prepare documentation that identifies the different roles in Information Security</p>	<p>Chapter 1: Introduction to security</p> <p>Chapter 2: Malware and Social Engineering Attacks</p>	<p>From the Lab Manual: Labs: 1-1, 1-2, 2-1, 2-5</p> <p>From Textbook: Review questions: Chapter 1 and Chapter 2</p>

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<p>2 5. Identify the various methods to harden computer network systems. 7. Compare and Contrast web security vulnerabilities and security conventions associated with web security.</p>	<p>Chapter 3: Application and Network Attacks</p>	<p>From Lab Manual: Labs 3-1, 3-2, 3-3, 3-4, 3-5</p> <p>From Textbook: Review questions: Chapter 3</p>
<p>3 2. Compare, identify and deal with various security attacks and malicious codes 6. Design Network Topologies that secure and harden cable infrastructure, removable media and network devices.</p>	<p>Chapter 4: Vulnerability Assessment and Mitigating Attacks</p> <p>Chapter 5: Host, Application, and Data Security</p>	<p>From Lab Manual: Labs 4-1, 4-2, 4-3 and 4-4</p> <p>From Textbook: Review Questions Chapter 4</p>
<p>4 8. Identify the various security protocols used to harden and secure FTP, remote access, directory services, cellular and wireless technology.</p>	<p>Chapter 6: Network Security</p>	<p>Demonstrate labs</p> <p>From Textbook: Review Questions Chapter 6</p>

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<p>5</p> <p>1. Organize and compare effective authentication methods and access control to various computer systems.</p> <p>8. Identify the various security protocols used to harden and secure FTP, remote access, directory services, cellular and wireless technology.</p> <p>11. Compare and design access control barriers within a network computing environment including physical, biometric, and social engineering.</p>	<p>Chapter 7: Administering a Secure Network</p> <p>Chapter 8: Wireless Network Security</p>	<p>From Lab Manual: Labs 7-1, 7-2, 7-3, 8-1, 8-2, 8-3 if time permits</p> <p>From Textbook: Review Questions Chapter 7 Review Questions Chapter 8</p> <p>Midterm Chapters 1-6</p>

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<p>6 13. Identify the various components of the Security Policy Cycle by designing and reviewing sample policies. 14. Compare the different aspects of Identity Management including Privilege Management, Change Management and Digital Rights Management.</p>	<p>Chapter 9: Access Control Fundamentals Chapter 10: Authentication and Account Management</p>	<p>From Lab Manual: Labs 9-1, 9-2, 9-3, 9-5, 10-1 From Textbook: Chapter 9 Review Questions Chapter 10 Review Questions</p>
<p>7 9. Identify and compare the different methods of cryptography and algorithms used in securing computer networks and data. 10. Identify and compare the different methods of utilizing PKI and digital certificates in securing data transmissions.</p>	<p>Chapter 11: Basic Cryptography Chapter 12: Advanced Cryptography</p>	<p>From Lab Manual: Labs 11-1, 11-2, 11-3, 11-4, 11-5 From Textbook: Review Questions Chapter 12</p>

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<p>8 12. Formulate disaster recovery plans with fault tolerance and enhanced business continuity maintenance. 15. Organize and compare information on the topic of computer forensics and how it applies to computer networks and data.</p>	<p>Chapter 13: Business Continuity</p>	<p>From textbook: Chapter 13 Review Questions</p> <p>Ask your students to read the following article “Making sense of 'Mean Time To Failure'” at http://www.zdnet.com/blog/hardware/making-sense-of-mean-time-to-failure-mttf/310 and write a report summarizing its most important points.</p>
<p>9 13. Identify the various components of the Security Policy Cycle by designing and reviewing sample policies.</p>	<p>Chapter 14: Risk Mitigation</p>	<p>From the Lab Manual: 14-1, 14-2, 14-3 and 14-4</p> <p>From the textbook: Review Questions for Chapter 14</p>
<p>10</p>		<p>Review for Final Administer the Final exam.</p>