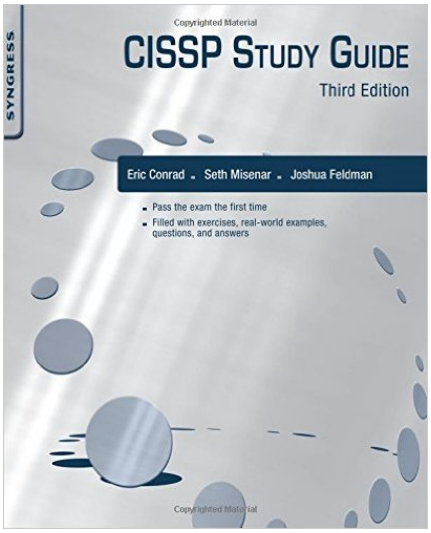

CNIT 125: Information Security Professional (CISSP Preparation)

Spring 2018 Sam Bowne

Catalog Description

Covers information security in depth, including access control, application security, business continuity, cryptography, risk management, legal issues, physical security, and telecommunications and network security. This class helps to prepare students for the Certified Information Systems Security Professional (CISSP) credential, which is essential for high-level information security professionals.

Advisory: Students should have taken CNIT 123, or hold the Certified Ethical Hacker credential, or have equivalent knowledge of basic security.

Upon successful completion of this course, the student will be able to:

A. Explain security and risk management.
B. Define and implement access controls.
C. Assess application security.
D. Plan for business continuity and disaster recovery.
E. Apply cryptography correctly to protect information.
F. Explain legal regulations and ensure compliance.
G. Perform investigations, preserve evidence, and cooperate with law enforcement authorities.
H. Explain codes of conduct and ethical issues.
I. Maintain security of operations.
J. Assess physical and environmental security.
K. Design security architecture.
L. Explain telecommunications and network security.

Textbook

"CISSP Study Guide, Third Edition"; by Eric Conrad, Seth Misenar, Joshua Feldman; ISBN-10: 0128024372

Live Streaming

You can attend class remotely using a PC, Mac, Linux, iOS or Android:
https://zoom.us/j/4108472927
Meeting ID: 410-847-2927

Classes will also be recorded and published on YouTube for later viewing.

Schedule

Date	Quiz	Topic
Tue 1-16		**Ch 1. Introduction to CISSP** **Class Structure: Accountability and Expectations** **Introductions**
Tue 1-23	**Ch 2 (Part 1) Quiz ***	**Ch 2. Security and Risk Management (Part 1) begins** ***Managers present pitches; students join teams*** **First group meeting; Task 1 assigned ****
Tue 1-30	**No Quiz Due** **Task 1 due**	**Ch 2. Security and Risk Management (Part 1) continues** **Group meetings; Task 2 assigned ****
Tue 2-6	**Ch 2 (Part 2) Quiz *** **Task 2 due**	**Ch 2.Security and Risk Management (Part 2)** **Group meetings; Task 3 assigned ****
Tue 2-13	**Ch 3 Quiz *** **Task 3 due**	**Ch 3. Asset Security** **Group meetings; Task 4 assigned **** ***Managers' Performance Review 1***
Tue 2-20	**Ch 4 (Part 1) Quiz*** **Task 4 due**	**Ch 4. Security Engineering (Part 1)** **Group meetings; Task 5 assigned **** ***Early Presentations 1***
Tue 2-27	**Ch 4 (Part 2) Quiz*** **No Task due**	**Ch 4. Security Engineering (Part 2)** ***Normal Presentations 1***
Tue 3-6		***Flex Day: No Class***
Tue 3-13	**Ch 5 (Part 1) Quiz*** **Task 5 due**	**Ch 5. Communication and Network Security (Part 1)** **Group meetings; Task 6 assigned **** ***Late Presentations 1***
Tue 3-20	**No Quiz; no Task due**	***Guest Speaker TBA (may be rescheduled)***
Tue 3-27		***Spring Recess: No Class***
Tue 4-3	**Ch 5 (Part 2) Quiz*** **Task 6 due**	**Ch 5. Communication and Network Security (Part 2)** **Group meetings; Task 7 assigned **** ***Managers' Performance Review 2***
Tue 4-10	**Ch 6 Quiz*** **Task 7 due**	**Last section of Ch 5 & Ch 6. Identity and Access Management** **Group meetings; Task 8 assigned ****
Tue 4-17	**Ch 7 Quiz*** **Task 8 due**	**Ch 7. Security Assessment and Testing & Start of Ch 8** **Group meetings; Task 9 assigned ****
Tue 4-24	**Ch 8 Quiz*** **Task 9 due**	**Ch 8. Security Operations** ***Early Presentations 2***
Tue 5-1	**Ch 9 Quiz*** **No Task due**	**Ch 9. Software Development Security** ***Normal Presentations 2***
Tue 5-8	**No Quiz; no Task due**	***Guest Speaker TBA (may be rescheduled)***
Tue 5-15	**No Quiz; no Task due**	**Last Class** ***Late Presentations 2***
Thu 5-17 through Wed 5-23		***Final exam available online: 1 hour, only one attempt***

** Quizzes are online, and are due 30 min. before class. Penalty: -2 pts. for being late*
*** Tasks should require 1-2 hours of work*