

L08: Intrusion Detection Systems, Intrusion Tolerance

Chapter 8 -- Intrusion Detection

§ 9.6 -- Intrusion Prevention Systems

OP7 -- Intrusion tolerance (FRS system)

L09: Security and Dependability modelling, Risk Analysis

§ 14.4 -- Risk Analysis

§§ 14.1-3 overviewish -- Risk Analysis

L10: Security Metrics, Human and Organisational Factors

Lecture slides

§§ 17.2-17.3 – Human Resources Security

§§ 17.1 overviewish – Security Awareness, Training and Education

§§ 15.3 - 15.5 -- Security plan

§§ 15.1 - 15.2 (overviewish) -- Security plan

DL9 -- Identifying Suitable Attributes for Security and Dependability Metrication

DL10 – Why Cryptosystems fail

L11: Security Policies and Models

Chapter 4.1 Access Control Principles

Chapter 4.2 Subjects, Objects, and Access Rights

Chapter 4.3 Discretionary Access Control

Chapter 13.1 The Bell-LaPadula Model

Section “Abstract Operations” only as an overview.

Section “Implementation Example – Multics” is not included.

Chapter 13.2 Other formal models for computer security

Certification and Enforcement rules on page 455 are only as overview

L12: Defensive Programming and Database Security

§§ 5.1-5.6, 5.8 (where 5.1-5.3 is database introduction. Should only be read to the extent necessary to understand the rest of the chapter)

Chapter 11

L13: Guest Lecture from Microsoft: Computer Forensics

Computer Forensics slides, DL18: NIST Forensic publication (executive summary + chapter 1,2,3)

L14: Key Escrow Systems, Common Criteria, Spam Economics

Common criteria slides

§§ 13.6-7 – Common Criteria (Fig. 13.15 overviewish)

DL 11: Common Criteria – Introduction and General Model (§1-9, A1-A3, B1-B3, C1-C2, D1)

DL 12: Key Escrow Systems Taxonomy,

DL 13: The Risks of Key Recovery

DL 14: Spamalytics

L15: Side-channel attacks, Ethics (+catchup)

Chapter 19.4

DL15: Introduction to Side-channel attacks; DL16: Data remanence

OP3: Pfleeger, Ethics; DL17: The Menlo Report: Ethical Principles Guiding Information and Communication Technology Research Companion (overviewish)