

ACCA5034- Data Security and Compliance Plan

Week	Lecture topic	Lecture Recommended Readings	Notes: Activities in the lecture
1	Introduction to Information Security	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 1: Introduction to Information Security	Revision Questions: Foundations of Information Security In-Class Group Work Activity: Creating a Timeline of Major Information Security Events Assignment discussion: Assignment brief discussed
2	The Need for Security	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 2: The Need for Security	Revision Questions: Understanding the Need for Security In-Class Group Work Activity: Analysing Real-World Security Breaches and Their Impact Assignment discussion: : Relevance to this week contents and Q&A
3	Legal, Ethical, and Professional Issues in Information Security	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 3: Legal, Ethical, and Professional Issues in Information Security	Revision Questions: Legal, Ethical, and Professional Standards In-Class Group Work Activity: Debating Ethical Scenarios in Information Security Assignment discussion: : Relevance to this week contents and Q&A
4	Planning for Security and Regulatory Acts	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 6: Planning for Security Chapter 12: Information Security Maintenance	Revision Questions: Security Planning Essentials In-Class Group Work Activity: Developing a Security Policy for a Fictional Company Assignment discussion: : Relevant to this week contents and Q&A
5	Risk Management	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 4: Risk Management	Revision Questions: Risk Management Fundamentals In-Class Group Work Activity: Conducting a Risk Assessment for a Case Study Assignment discussion: : Relevance to this week contents and Q&A
6	Security Governance Concepts, Principles, and Policies	Ladley, Data Governance: How to Design, Deploy and Sustain an Effective Data Governance Program Chapter 1: Introduction to Data Governance Chapter 3: The Governance Framework Plotkin, Data Stewardship: An Actionable Guide to Effective Data Management and Data Governance Chapter 1: What is Data Stewardship? Chapter 4: Stewardship Framework	Revision Questions: Security Governance Principles In-Class Group Work Activity: Designing a Governance Framework for Data Security Assignment discussion: : Relevance to this week contents and Q&A
7	Security Technology: Access Controls, Firewalls, and VPNs	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 7: Security Technology: Access Controls, Firewalls, and VPNs	Revision Questions: Access Controls and Firewalls In-Class Group Work Activity: Hands-On Exercise: Configuring a Firewall and VPN Assignment discussion: : Relevance to this week contents and Q&A
8	Security Technology: Intrusion Detection and Prevention Systems and Other Security Tools (including pyphysical security)	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 8: Security Technology: Intrusion Detection and Prevention Systems, and Other Security Tools Chapter 10: Physical Security	Revision Questions: Intrusion Detection and Prevention Systems In-Class Group Work Activity: Evaluating Security Tools for a Given Scenario Assignment discussion: : Relevance to this week contents and Q&A
9	Cryptography	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 9: Cryptography	Revision Questions: Basics of Cryptography In-Class Group Work Activity: Creating and Breaking Simple Cryptographic Ciphers Assignment discussion: : Relevance to this week contents and Q&A
10	Implementing and Maintaining Information Security	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 11: Implementing Information Security Chapter 12: Information Security Maintenance Plotkin, Data Stewardship: An Actionable Guide to Effective Data Management and Data Governance Chapter 6: Implementing Data Stewardship	Revision Questions: Implementing Information Security Measures In-Class Group Work Activity: Developing an Information Security Implementation Plan Assignment discussion: : Relevance to this week contents and Q&A