

ACCA7028- Data Security, Governance and Compliance Plan

Week	Lecture topic	Lecture Recommended Readings	Notes: Tutorial activities
1	Introduction to Information Security	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 1: Introduction to Information Security Fundamentals of Information Systems Security, by David Kim , and Michael G. Solomon Chapter 1: Information Systems Security	Revision Questions: Management of Information Security Basics In-Class Group Work Activity: Developing an Information Security Management Plan (For a given scenario) Assignment discussion: Assignment brief discussed
2	The Need for Security	Whitman & Mattord, Principles of Information Security, 6th Edition Chapter 2: The Need for Security Fundamentals of Information Systems Security, by David Kim , and Michael G. Solomon Chapter 3: Malicious Attacks, Threats, and Vulnerabilities	Revision Questions: Understanding the Need for Security In-Class Group Work Activity: Analysing Security Needs for a given scenario (Continue from previous week) Assignment discussion: : Relevance to this week contents and Q&A
3	Compliance: Law and Ethics	Principles of Information Security 6th Ed by Whitman Chapter 3: Legal, Ethical, and Professional Issues in Information Security Fundamentals of Information Systems Security, by David Kim , and Michael G. Solomon Chapter 4: The Drivers of the Information Security Business Chapter 12: Information Security Standards	Revision Questions: : Compliance and Ethical Standards In-Class Group Work Activity: Debating Ethical Dilemmas in Information Security for a given scenario (Continue from previous week) Assignment discussion: : Relevance to this week contents and Q&A
4	Governance and Strategic Planning for Security	Management of Information Security 6th Ed by Whitman & Herbert Chapter 4: Governance and Strategic Planning for Security	Revision Questions: Security Governance Principles In-Class Group Work Activity: Strategic Planning for Security Governance for a given scenario (Continue from previous week) Assignment discussion: : Relevant to this week contents and Q&A
5	Security Management Models and Practices	Management of Information Security 6th Ed by Whitman & Herbert Chapter 8: Security Management Models and Practices	Revision Questions: Security Management Models In-Class Group Work Activity: Evaluating Different Security Management Models for a given scenario (Continue from previous week) Assignment discussion: : Relevance to this week contents and Q&A
6	Planning for Contingencies	Management of Information Security 6th Ed by Whitman & Herbert Chapter 6: Planning for Contingencies Chapter 7: Information Security Policy Chapter 11: Security Maintenance and the Management of Digital Forensics Fundamentals of Information Systems Security, by David Kim , and Michael G. Solomon Chapter 7: Auditing, Testing, and Monitoring	Revision Questions: Contingency Planning Essentials In-Class short Group Work Activity: Creating a Contingency Plan for a given scenario (Continue from previous week) In-Class short Group Work Activity: Developing an Information Security Policy for a given scenario (Continue from previous week) Assignment discussion: : Relevance to this week contents and Q&A
7	Risk Management	Principles of Information Security 6th Ed by Whitman Chapter 4: Risk Management Fundamentals of Information Systems Security, by David Kim , and Michael G. Solomon Chapter 8: Risk, Response, and Recovery	Revision Questions: Risk Management Fundamentals In-Class Group Work Activity: Conducting Risk Assessment for a given scenario (Continue from previous week) Assignment discussion: : Relevance to this week contents and Q&A
8	Security Maintenance	Principles of Information Security 6th Ed by Whitman Chapter 11: Security Maintenance and the Management of Digital Forensics	Revision Questions: Threat Modeling and Vulnerability Assessment In-Class Group Work Activity: Threat modelling and vulnerability assessment for a given scenario (Continue from previous week) Assignment discussion: : Relevance to this week contents and Q&A
9	Protection Mechanisms and Physical Security	Principles of Information Security 6th Ed by Whitman Chapter 7: Protection Mechanisms Chapter 10: Physical Security Fundamentals of Information Systems Security, by David Kim , and Michael G. Solomon Chapter 5: Access Controls Chapter 11: Malicious Code and Activity	Revision Questions: Protection Mechanisms and Physical Security In-Class Group Work Activity: Securing the perimeter for a given scenario (Continue from previous week) Assignment discussion: : Relevance to this week contents and Q&A
10	Cryptography protection	Principles of Information Security 6th Ed by Whitman Chapter 9: Cryptography Fundamentals of Information Systems Security, by David Kim , and Michael G. Solomon Chapter 9: Cryptography	Revision Questions: Cryptography protection In-Class Group Work Activity: Breaking Cryptographic Ciphers Assignment discussion: : Exam revision (Mock exam)