



THE INTERNATIONAL QUALIFICATIONS
AND ASSESSMENT CENTRE (IQAC)



Programme	LEVEL 5 EXTENDED DIPLOMA IN CYBER SECURITY	
Unit Number/ Unit Title	UNIT 2 CYBERSECURITY POLICIES AND GOVERNANCE	
Cohort Code:	L04CSP-U2	
Unit Level	Level 4	
Total GLH	Total qualification time 200/ Total Guided learning hours 90/ Self-guided learning hours 110	
Credits	20 CATS/ 10 ECTS	
Lecturer		
Start Date		End Date

Unit Aims	This unit aims to provide students with the knowledge and skills to develop, implement, and manage effective cyber security policies and governance frameworks. Students will learn the principles of cyber security policies, understand legal and regulatory requirements, and explore best practices for protecting organizational assets and mitigating cyber risks.
Differentiation Strategies <i>(e.g. planned activities or support for individual learners according to their needs)</i>	The total number of students to be in the lesson is approximately 20. This is a multicultural group of students predominantly between the ages of 24 – 45, with numerous ethnic, gender, and creed background. These are UK academic level 5 students; hence it is assumed that they have practical, theoretical, or technological knowledge and understanding of a subject or field of work to find ways forward in broadly defined, complex contexts. These students must be able to generate information, evaluate, synthesise the use information from a variety of sources. Various approaches to addressing the various identified students' needs will be adopted throughout the lesson. Such will include: <ol style="list-style-type: none">1. Progressive tasks2. Digital resources3. Verbal support

	<ol style="list-style-type: none"> 4. Variable outcomes 5. Collaborative learning 6. Ongoing assessment 7. Flexible-pace learning
Equality & Diversity	Variety of teaching techniques will be employed to ensure that the needs of each individual learner are met.
Safeguarding & Prevent	Safeguarding policies and the Prevent duty are strictly observed to ensure the safety, well-being, and inclusivity of all students and staff.
Health & Safety	SIRM H&S policies will be maintained.
Learning Resources	<p style="text-align: center;">Teaching and Learning Materials</p> <ul style="list-style-type: none"> • Whitman, M. E., & Mattord, H. J. (2021). Principles of Information Security. Cengage Learning. • Stallings, W. (2018). Effective Cybersecurity: A Guide to Using Best Practices and Standards. Addison-Wesley Professional. • Schneier, B. (2015). Data and Goliath: The Hidden Battles to Collect Your Data and Control Your World. W. W. Norton & Company.

Learning Outcome	Assessment Criteria
LO1. Understand fundamental concepts and principles of cyber security	1.1: Explain key concepts, terminologies, and principles of cyber security 1.2 Identify common cyber threats and vulnerabilities. 1.3 Demonstrate knowledge of basic cyber security tools and techniques.
LO2. Develop skills to identify and mitigate cyber security risks.	2.1: Conduct risk assessments to identify potential security threats. 2.2: Develop risk mitigation strategies and response plans. 2.3 : Apply best practices for incident response and recovery.
LO3. Develop effective communication skills in English, both orally and in writing, to convey ideas clearly and coherently, fostering intercultural understanding and empathy.	3.1: Write coherent and well-organized reports and essays demonstrating an understanding of cyber security topics. 3.2 : Articulate ideas clearly and effectively in spoken English during presentations and discussions. 3.3 : Use appropriate communication strategies for different contexts, including technical and non-technical audiences.
LO4. Employ communication technologies effectively.	4.1 : Utilize communication technologies, such as email, video conferencing, and collaboration tools, for efficient business communication. 4.2 : Evaluate the advantages and disadvantages of different communication technologies. 4.3 : Demonstrate proficiency in using digital communication platforms.
LO5. Navigate cross-cultural communication challenges.	5.1 : Recognize and adapt to cross-cultural communication differences in a global business context. 5.2 : Develop strategies for effective cross- cultural communication in diverse work environments. 5.3 : Identify potential cultural barriers and implement solutions for successful communication.

No	Learning Outcome / Topic	Learning and Teaching Activities	Which assessment criteria does the session relate to?	Day/month/year/ signature
1	Core Principles of Cyber Security	Core Principles of Cyber Security CIA Triad (Confidentiality, Integrity, Availability)	LO1: Cyber Security Fundamentals	
2	Cyber Security Terminologies	Cyber Security Terminologies Threats, vulnerabilities, risks, attack vectors	LO1: Cyber Security Fundamentals	
3	Common Cyber Threats	Common Cyber Threats Malware, phishing, DDoS, insider threats	LO1: Cyber Security Fundamentals	
4	Vulnerability Management	Vulnerability Management CVE database, patch management, zero-day exploits	LO1: Cyber Security Fundamentals	
5	Basic Security Tools	Basic Security Tools Firewalls, antivirus, VPNs, password managers	LO1: Cyber Security Fundamentals	
6	Risk Assessment Frameworks	Risk Assessment Frameworks NIST RMF, ISO 27005, qualitative vs. quantitative analysis	LO2: Risk Management & Mitigation	
7	Threat Modeling	Threat Modeling STRIDE, DREAD methodologies	LO2: Risk Management & Mitigation	
8	Half-Term Exam	- Review of LO1 topics - Practice questions and mock assessment	LO1 LO2	
9	Risk Mitigation Strategies	Risk Mitigation Strategies Avoidance, transfer, acceptance, mitigation	LO2: Risk Management & Mitigation	

10	Incident Response Plans	Incident Response Plans NIST SP 800-61 (Preparation → Post-incident)	LO2: Risk Management & Mitigation	
11	Disaster Recovery & BCP	Disaster Recovery & BCP RTO/RPO, backup strategies, failover systems	LO2: Risk Management & Mitigation	
12	Cyber Security Policies	Cyber Security Policies Acceptable use, BYOD, remote access policies	LO3: Policy Development & Governance	
13	Access Control Models	Access Control Models RBAC, ABAC, least privilege principle	LO3: Policy Development & Governance	
14	Review	<ul style="list-style-type: none"> - Comprehensive review of all learning outcomes - Practice questions and revision of key topics 		
15	Midterm	<ul style="list-style-type: none"> - Midterm assessment covering all learning outcomes (theory and practical elements) 		
16	Feedback & Reflection	<ul style="list-style-type: none"> - Review - Individual feedback on performance - Reflective discussion on key learning points 		
17	Compliance Standards	Compliance Standards GDPR, HIPAA, PCI-DSS, SOX	LO3: Policy Development & Governance	
18	Security Audits & Assessments	Security Audits & Assessments Internal vs. external audits, penetration testing	LO3: Policy Development & Governance	

19	Governance Frameworks	Governance Frameworks COBIT, NIST CSF, ISO 27001	LO3: Policy Development & Governance	
20	Technical Report Writing	Technical Report Writing Structure, clarity, referencing (APA/IEEE)	LO4: Communication & Reporting	
21	Executive Summaries	Executive Summaries Translating technical risks for non-technical stakeholders	LO4: Communication & Reporting	
22	Presentation Skills	Presentation Skills Visual aids, audience adaptation, Q&A handling	LO4: Communication & Reporting	
23	Half-Term Exam	Project Design a governance framework for a multinational company		
24	Cross-Cultural Communication	Cross-Cultural Communication High-context vs. low-context cultures, global teams	LO4: Communication & Reporting	
25	Digital Communication Tools	Digital Communication Tools Secure email (PGP), encrypted messaging (Signal), collaboration (Slack/MS Teams)	LO4: Communication & Reporting	
26	Case Study: Data Breach Response	Case Study: Data Breach Response Equifax, SolarWinds incident analysis	LO5: Practical Application & Ethics	
27	Policy Drafting Workshop	Policy Drafting Workshop Develop a GDPR-compliant data protection policy	LO5: Practical Application & Ethics	
28	Role-Play: Incident Response	Role-Play: Incident Response Mock tabletop exercise (ransomware attack)	LO5: Practical Application & Ethics	
29	Final Exam Preparation & Review	LO1, LO2, LO3, LO4	LO1, LO2, LO3, LO4	

30	Final Exam		LO1, LO2, LO3, LO4	
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