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Welcome



Unit Convener and lecturer

Dr. Paul Scifleet (Lecturer & primary contact for this Unit) pscifleet@swin.edu.au

- Weekly online presentations: usually available on Monday's, preceding Weds classes
- Face to Face classes/ workshops (2hrs) on campus: 8:30am, 10:30am, numbers are limited and you must go to your timetable assigned class
- Consultations: On campus on Monday or Wednesday afternoons, by MS Teams or Zoom at other times, all by by appointment please

Please go to your registered classes.

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Welcome to INF30020



In this unit, you will be introduced to **information risk and security** management as it applies to **contemporary organisations**. We will be examining the **knowledge and techniques** organisations apply to assessing the risks to their information assets and in so doing, how they provide for improved information security. You will learn about information risk and security management through **real-world case-based scenarios** and become familiar with approaches to **information governance and assurance**.

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This weeks learning plan

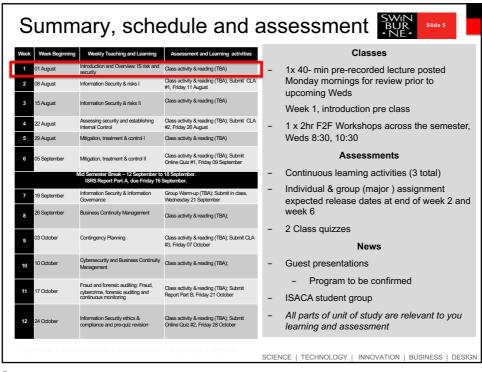


- 1. Familiarise yourself the structure of the Unit of Study including,
 - Learning activities, assessment items
 - Class approach and engagement
- 2. Begin to engage with unit content: Canvas, pre-recorded online lecture, face to face classes and readings
- Your aim in week 1 is to develop a conceptual understanding of Information Systems risk and security management in a global business context and to establish a working knowledge of some key concepts
 - Information Systems Security and what is at risk (the information assets of an organisation)
 - Foundation concepts, key characteristics (listed on the final slide)
 - Read, Whitman, Chapter 1

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Schedule and assessment			
Types	Individual or Group task	Weighting	Assessment ULOs
Risk and security management report (part A)	Individual Due: 11:59pm, Friday 16 September	25%	1, 2, 3, 5
Risk and security management report (part B)	Group Due: 11:59pm, Friday 21 October; Warm up exercise Weds 21 September.	25%	2, 3, 4, 5
Continuous Learning Activities	Individual (Fridays' at 5:30pm set set weeks, see Canvas schedule)	30%	3, 4, 5
Quizzes (Online)	Individual (6th & 12th week)	20%	1 3, 4

Swinburne



Trust in, and value from, information systems

Student Group

Business IT meets security!



If you are interested in

- Student community leadership
- Developing a professional career in Information security management and cybersecurity
- Professional career networking
- Being part of the international community of ISACA student chapters

Get in touch and participate

How to Join

Like and Join through our Facebook Page!

@swininfosec or "Swinburne Information Security Society"



Unit administration





Managing communications and expectations

- 1. Unit Communication, through classes, canvas, announcements and discussion forums, email, MS Teams or Zoom consultations
 - Only your student account OR Canvas in-system/ clear subject
- 2. Realistic expectations:
 - Professional and courteous and friendly conduct with peers, colleagues and staff throughout the study period
 - Engage, participate (when you can) in class and group discussions
 - Complete weekly required readings and self-directed learning activities
 - Raise issues with me as they arise, I always aim to respond expeditiously and compassionately
 - Delivery of high-quality, not-plagiarised, not involving cheating work
- 3. Unrealistic expectations
 - Answering your emails after 5:30pm weekdays and on weekends
 - Requests for last minute extensions (without cause)

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Unit administration



Referencing and plagiarism: the rules apply

- 1. Referencing is crucial in any university-level assignments
 - Swinburne Harvard Style is required for assignments in this unit
 - See 'Harvard Style Guide' PDF in Resources Folder on Blackboard
- 2. Know the difference between a Reference List and a Bibliography
 - A Reference List is a list of all the information sources you cite in your work
 - A Bibliography is a list of all the information sources you cite in your work PLUS other sources you have looked at while preparing your work but did not actually use.
 - In this unit you will be asked to produce <u>reference lists</u> for your assignments
- 3. Please refer to university policy regarding referencing and plagiarism
 - If you are not sure AND/OR want to improve your referencing skills AND/OR want to avoid plagiarism, please ask our librarians

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Unit readings



Required textbook & readings

- 1. During the semester students are required to familiarise themselves with
 - a. relevant Information Security standards for this area of study, including the AGs Protective Security Policy Framework, Australian Government Information Security Manual, AS/NZS ISO/IEC 27005:2012: Information technology - Security techniques - Information security risk management
 - relevant Risk Management standards and guidelines for this area of study ISO/IEC 13335; NIST SP 800-30; AS/NZS ISO 31000:2018; HB 254-2005: Governance, risk management, control and assurance (e.g. ISS 1)



Recommended introductory reading for week 1 (e-book through library)

Whitman, Michael E. and Mattord, Herbert J. Management of information security. Sixth Edition., Stamford, Conn. : Cengage Learning, 2018, Chapter 1

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Australian Signals Directorate The Australian Cyber Security Centre



Australian Government Information Security Manual

The Australian Government Information Security Manual (ISM) represents the considered advice of the Australian Cyber Security Centre (ACSC) within the Australian Signals Directorate (ASD). This advice is provided in accordance with ASD's designated functions under section 7(1)(ca) of the *Intelligence Services Act 2001*.

The (ISM) outlines a cyber security framework that organisations can apply, using their risk management framework, to protect their systems and information from cyber threats. The ISM is intended for Chief Information Security Officers, Chief Information Officers, cyber security professionals and information technology managers.



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Continuous learning activities



Continuous learning activities (Individual CLAs 30% of marks)

- Are of two types
 - A. CLA#1-3 written submissions 10 marks each
 - B. Face to Face class activities

<u>F2F Activities:</u> F2F classes each week will involve exercises designed to review all unit content and undertake activities that feed directly into your required learning for assessment tasks.

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Weekly learning activities



Weekly learning activities (Individual CLAs 30% of marks)

- Are of two types
 - A. CLA#1-3 witten submissions 10 marks each
 - B. Face to Face class activities

<u>CLA activities:</u> A 1 page submission *in Canvas at set weeks* from week 1 - week 12. There are 3 CLAs, worth 10 marks each, requiring you to answer questions asked about a reading correctly, to demonstration your knowledge with some limited synthesis and some limited analysis involved

CLA#1 is due Friday 12 August

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Continuous Learning Activities



How to approach your CLAs

- For each activity, you will be asked to respond to between 1- 4 questions
- Prepare between a half to 1-page written response to the questions identifying key points that answer the question asked
- Marks will be awarded for clear concise answers to the questions asked that demonstrate:
 - Thought, reflection and evaluation in context of the question asked unit learning
 - Draw on relevant unit materials
 - Well-focused and avoiding vague generalisations
- Questions cannot be answered with a simple yes or no but must demonstrate your connection with unit contents
- Marks awarded are based on your answer and your written response

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Wednesday's classes 8:30 am and 10:30am



Why not call this unit.... *Cybersecurity?*

Information Security (InfoSec): the protection of information assets, whether in storage processing or transmission, via the application of policy & procedures, education, training & awareness, and technology Assets and processes

- 1. Read Whitman, Chapter 1
- Undertake a quick Internet search, identify a recent data breach (last 6 months), take brief notes
- 3. Review CLA#1 in preparation

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