National University of Singapore
School of Computing

IS4231 Information Security Management
Semester 1, Academic Year 2021/2022

Module Guidelines

1. **Course Lecturer**

   Dr. YANG Lu

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   Phone: 6516 6791

   Office: COM2 #02-46

   Office Hours: Individual Consultation (Appointment by Email)

2. **Course Synopsis**

   The main focus of this module is on the managerial aspects of information security. This module prepares the students for their future roles as IS managers or IS security professionals. Through this module, students will appreciate the challenges of managing information security in the modern business organization. Topics include risk management, security policies and programs, managing the security function, and planning for continuity. The focus of the module is on policies and concepts, rather than hands-on skills.

3. **Timetable**
   - Lecture:
     - Online
     - Wed, 10am - 12pm
   - Tutorial:
     - Online
     - Timeslots:
       - T1: Wed, 12pm-1pm
       - T2: Wed, 1pm-2pm
       - T3: Fri, 10am-11am (TBC)
   - Exam:
     - 29 NOV 2021, Mon, 5pm-7pm
     - Format: TBC

4. **Assessment**
   Individual work (70%)

   - Mid-term Quiz   10%
   - Tutorial attendance and participation   10%
   - Final Exam (open book)   50%

- Seminar Discussion 10%
- Project 20%

5. **Lesson Plan**

Week	Lecture Topic	Tutorial	Remarks
1 (11/08)	L1 • Welcome and Course Admin • Introduction to Information Security Management		Ch1
2 (18/08)	L2 • Compliance: Law and Ethics		Ch2
3 (25/08)	L3 • Planning for Security	T1 • Group formation • L1	Ch3
4 (01/09)	L4 • Information Security Policy	T2 • L2	Ch4
5 (08/09)	L5 • Developing the Security Program	T3 • L3	Ch5
6 (15/09)	L6 • Security Management Practices	T4 • L4 (Group-Led)	Ch9
Recess Week			Project proposal due on Sun, 26 Sep 2021
7 (29/09)	L7 • Mid-term quiz • Security Management Models I	T5 • L5 (Group-Led)	Ch8
8 (06/10)	L8 • Security Management Models II	T6 • L6 (Group-Led)	Ch8
9 (13/10)	L9 • Risk Management: Assessing Risk	T7 • L7+L8 (Group-Led)	Ch6
10 (20/10)	Guest Talk I • NUS InfoSec Management		
11 (27/10)	L10 • Risk Management: Treating Risk	T8 • L9 (Group-Led)	Ch7
12 (03/11)	L11	T9	Ch10

	• Planning for Contingencies		
13 (10/11)	L12 • Course Review		Project due on Friday, 12th Nov 2021 2359hrs