REVIEW AND REVISION

IMS3110
Week 13

What Do You Know?

- IS security overview
- Risk Management Strategy
  - Part 1. Risk analysis
  - Part 2. Risk mitigation
  - Part 3. Security management
  - Part 4. Security Audit and feedback
- E-commerce - Internet security
- Holistic Security design
- Privacy, ethics, and the law
- Current issues and future trends in IS Security

Lecturer: Sue Foster, Week 13

OVERVIEW

SECURITY FRAMEWORK

goals of IS security

confidentiality availability integrity non-repudiation authentication

RISK MANAGEMENT

Risk analysis/assessment
- Determine critical assets
- Analyse threats
- Statistics
- Current / future trends

Risk mitigation
- Assess current access controls
  - New access controls

Security policies
- Business continuity plans (BCP)
- Disaster recovery

Security audit
- Detect situations
- Computer forensics
- Preserve the evidence
- Re-evaluate access controls and policies

Security management
- Culture

PART A - COMPULSORY 25 marks

TOPIC:
- E-CRIME – Online Trading Practices
  Research Conducted By The Australian Government
- Three questions related to the above report
- Succinct coherent well structured discussion
- You must show you have read the report
- Summarise the survey outcomes

Downloadable off the IMS3110 website

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How to get the most value from your short answer!!

- Discuss the statement .......
- Describe the issues ...
- Name and describe ..... 
- Describe the differences ....
- Provide a detailed description outlining...
- Provide reasons why ......

Part B - Short Answer 40 marks

- Answer any FOUR (10 marks each)
- Clarity and structure
- All main issues covered
- Diagrams if asked for will be apportioned marks
- Try to understand what I am looking for

Short Answer Question From Past Exam Paper (10 Marks)

- Provide at least five reasons why security threats and breaches to security systems have been increasing over the last 20 years.

Part C – Definitions – 15 marks

You are given 10 key terms - define ONLY 5
- Provide some key terms with which you are familiar
- What are some of the key points about these terms
Pass Requirements

- The 40% rule applies to units and determines the final result for a student where the student’s performance in either the examination or assignment component of the unit is unsatisfactory. Students need to be aware of the 40% rule which is:
  - In order to pass a unit, a student must gain all of the following:
    - at least 40% of the marks available for the examination component: i.e. the final examination and any tests performed under exam conditions, taken as a whole
    - at least 40% of the marks available for the assignment component: i.e. the assignments and any other assessment tasks (such as presentations) taken as a whole
    - at least 50% of the total marks for the unit
    - Where a student gains less than 40% for either the examination or assignment component, the final result for the unit will be no greater than 44.

Exam Preparation

- Analyse each week’s lecture
  - Address the learning objectives for each week
  - What do you think are the major IS security issues
- Mind map using the overview
- You MUST demonstrate higher knowledge by doing additional reading:
  - shown at the end of each set of lecture slides
  - In the reading list
  - In the online discussions
- Prepare model answers to last year’s exam questions
- WARNING:
  - Rewording MY lecture notes will not be sufficient to gain good marks – it could lead to a fail

GOOD LUCK!!

- Check to make sure you have the date and time and location of the exam correct.
- DO NOT TAKE ANY PAPER OR ANYTHING TO WRITE ON – a student was disqualified from the exam last year for cheating