



COMPUTING AND INFORMATION SYSTEMS

AIMS

The subject is designed to take students from many backgrounds and language settings and give them the skills necessary to successfully use and manage information technology in their academic studies at an Australian university. To this end students are exposed to a range of topics similar to those studied at Year 12 level as well as developing their subject-specific English literacy skills to the required level.

LEARNING OUTCOMES

After successfully completing this subject students should be able to:

- Demonstrate knowledge and understanding of computer concepts.
- Research and produce dynamic multimedia presentations.
- Use advanced formatting techniques to produce professional looking documents.
- Obtain logical reasoning and overall comprehension of computer programs.
- Develop an information system using the systems development life cycle.
- Use word processing, presentation, spreadsheet and database management software packages.

PREREQUISITES AND ASSUMED KNOWLEDGE

Prerequisites for this subject are Computing to Australian Year 11 equivalent.

SUBJECT CONTENT

WEEK	TOPIC AND ASSESSMENT SCHEDULE
1	Orientation
2	Introduction to computer basics
3 - 4	Presentation software using Microsoft PowerPoint 2016
5 - 7	Word processing using Microsoft Word 2016
8 - 10	Computer components
11 - 14	Spreadsheets using Microsoft Excel 2016
15 - 18	Networks and Internet
19	Exams
20	HTML
21 - 30	Databases Using Microsoft Access 2016
31 - 36	Programming using JavaScript
37 - 39	Revision and exams
40	Graduation



ASSESSMENT

General weightings for each assessment item are outlined below.

ASSESSMENT ITEM	WEIGHTING
Presentation	5%
Test 1	5%
Test 2	2.5%
Research project	5%
Test 3	5%
Test 4	2.5%
Semester 1 portfolio	2.5%
Mid-year examination	20%
Assignment 1	5%
Test 5	2.5%
Assignment 2	15%
Test 6	2.5%
Assignment 3	5%
Semester 2 portfolio	2.5%
Final examination	20%