



Year 12 Mathematics Applications Units 3 and 4 Assessment Outline

Assessment weightings	Tasks	Week	Task weighting	Task content descriptions
Unit 3				
Response 21%	Test 1: Sequences	Wk 8 Term 4 2017	2%	The arithmetic and geometric sequences,
	Test 2: Sequences, Bivariate Data	Wk 6 Term 1 2018	8%	Sequences generated by first-order linear recurrence relations. Two way tables, Construct segmented column graph. Bivariate data scatter plots, line of best fit, predictions, residual plots.
	Test 3: Graphs and Networks	Wk 11 Term 1	10%	The definition of a graph and associated terminology. Planar graphs, Paths and cycles, Completed graphs. Adjacency matrix. Bivariate data review
Investigation 13%	Investigation 1: Graphs and Networks	Wk 7 Term1	7%	Planar graphs; Paths and cycles
	Investigation 2: Statistics	Wk 2 Term 2	6%	The statistical investigation process
Examination 15%	Examination 1	Wk 4/5 Term2	15%	Unit 3 content
	Semester 1 total		48%	
Unit 4				
Response 19%	Test 4: Time series analysis and Finance	Wk 9 Term 2	10%	Describing and interpreting patterns in time series data; Compound interest loans and investments, Effective interest rates, and depreciation.

	Test 5: Finance and networks	Wk 7 Term3	10%	Reducing balance loans, Annuities and Perpetuities. Minimum spanning trees, Maximum flow. Hungarian algorithm and networks.
Investigation 7%	Investigation 3: Project networks	Wk 5 Term 3	7%	Projet networks
Examination 25%	Examination 2	Wk 9/10 Term 3	25%	Unit 3 and 4 content
	Semester 2 total		52%	
	Year total		100%	