MUF0091 Maths Unit 1   Final Exam Details

Final Exam Details

EXTERNAL ASSESSMENT

The examination will run for 80 minutes, with an additional 10 minutes of reading time (1.5 hours in total).

The examination will contribute 30% towards the final unit mark.

Formula sheet is provided in the unit examination (refer to the Teaching and Learning Guide). In the unit examination it is *assumed* that students will use a graphics calculator. Students are allowed one approved graphics calculator and/or one approved scientific calculator (non-text) for use during the unit examination.

(Refer to the Teaching and Learning Guide for a list of approved graphics calculators). The full functions of the calculators may be used. The memory of the graphics calculator must be *cleared* prior to entering the examination. No candidate is permitted during the examination to borrow a calculator from anyone. No printed or written material may be used in the examination, apart from formula sheet supplied.

The examination covers all Study Areas in this unit.

In the examination the amount of content tested from each unit, and hence the marks available, is approximately in proportion to the time recommended for each unit.

The students will be required to respond to 6-multiple choice questions and 5-8 problem-based questions.

The problem-based questions will assess the students' knowledge of mathematical concepts and their ability to apply skills to solve routine problems covering all Study Areas in this unit. Here the students will demonstrate their ability to solve problems in situations where both the problem and solution are evident. At the same time, there are some extended answer questions which emphasize on assessing students' ability to comprehend, analyze and communicate mathematical ideas in non-routine problems. Here the students will demonstrate their skills in solving problems in situations where critical thinking is required.

Teachers should use the weeks taken to teach each Study Area as an indication of the weighting each Study Area will be given in the examination.

The table below shows a suggested content structure of the examination.

Note: The below table should be used as a guide only.

Study Area	Number of weeks	Weightage
Power Functions and Applications	5	34%
Exponential, Logarithmic and Circular Functions	4	33%
Introductory Calculus	4	33%