

AP3101

Mathematics 1



Course Aim This course aims to promote an understanding of mathematical and critical thinking skills. Students learn how to use technology to develop their mathematical problem solving skills in order to undertake Mathematics 2.

Short Title

Faculty Humanities

Polytechnic Level

Credits 10

Pre-requisites

Co-requisites

Anti-requisites MAC2003 or MAC2101

Version 2

Effective From September 1, 2017

Indicative NQF Level 3

Student Contact hrs 75

Self-directed hrs 25

Other directed hrs

Total learning hrs 100

Learning Outcomes

On successful completion of this course, students will be able to:

- 1 Use Ratio and Proportion calculations to deal with straight forward problems
- 2 Use Algebra and Graphs to represent and interpret familiar situations
- 3 Use Geometrical techniques to calculate properties of basic and compound shapes
- 4 Use Exponents and Logarithms to represent and interpret familiar situations

NQF Sub-strand

Practical
Application of
knowledge
Generic, Problem
Solving and
Analytical Skills

Practical
Application of
knowledge
Generic, Problem
Solving and
Analytical Skills