

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, MAC2101

**Version** 1  
**Effective From** September 1, 2014  
**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

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