

AP4102

Mathematics 2 (Technical)



Course Aim This course aims to further develop mathematical and critical thinking skills. Students learn how to use technology and develop their mathematical problem solving skills in order to undertake technical degree level study.

Short Title

Faculty Humanities

Polytechnic Level

Credits 15

Pre-requisites MAC2101 or MAC2003 or AP3101 or equivalent

Co-requisites Nil

Anti-requisites MAC3001, MAC3002, MAC3003, MAC3102

Version 1

Effective From September 1, 2016

Indicative NQF Level 4

Student Contact hrs 75

Self-directed hrs 45

Other directed hrs 30

Total learning hrs 150

Learning

Outcomes

- On successful completion of this course, students will be able to:
- 1 Use applied problem solving techniques involving probability, trigonometry, numbering systems and calculus to deal with familiar and unfamiliar situations.
 - 2 Select and use statistical techniques to interpret and communicate numerical and graphical data that has a little complexity.

NQF Sub-strand

Practical
Application of knowledge
Generic, Problem Solving and Analytical Skills