

Unit Code and Title	BUS1003 Mathematics and Statistics
Course(s)	Diploma of Business Bachelor of Business Diploma of Business Information System Bachelor of Business Information System
Core or Elective	Core: Diploma of Business Bachelor of Business Diploma of Business Information System Bachelor of Business Information System Elective: N/A
Credit Points	6 credit points
Duration	1 standard study period
AQF Level	5
Student Workload	Students should expect to spend approximately 120 hours on learning activities across the study period. This includes time spent attending scheduled classes, undertaking private study, preparing assessments, and completing examinations.
Essential Requirements	N/A
Modes of Delivery	On campus /Online
Pre-Requisites	N/A

Unit Description

Business maths are mathematics used by commercial enterprises to record and manage business operations. Commercial organizations use mathematics in accounting, inventory management, marketing, sales forecasting, and financial analysis. Mathematics typically used in commerce includes elementary arithmetic, elementary algebra, statistics and probability. Business management can be made more effective in some cases by use of more advanced mathematics such as calculus, matrix algebra and linear programming. This subject will sharpen the mathematical skills of learners preparing to enter business employment.

Unit Learning Outcomes (ULOs)

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

- [ULO1] Perform basic mathematical computations required to solve business-related problems.
- [ULO2] Conduct break-even analysis using both graphical and algebraic approaches.
- [ULO3] Justify the choice of appropriate quantitative data analyses for business-related scenarios.
- [ULO4] Formulate and test a hypothesis and interpret the outcomes.

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