Delivery mode
Online course. Internet access essential.
Online lessons are delivered through the EQ web conference.
Students are required to attend two online lessons each week delivered through web-conferencing (iConnect).
One tutorial per week is also available. Attendance is recommended.

Time commitment
The minimum time allocation per semester per senior subject is 55 hours.
It is an expectation that students spend at least 3 hours per week on this subject.
Students are expected to regularly complete class activities (online and paper).
Diagnostic work may be available for students to reflect and track their progress in the subject.

Prerequisites
A minimum achievement level of a B in the Year 10A advanced mathematics course across both semesters is required.

Course outline
The course consists of the following topics:
- Introduction to Functions
- Periodic Functions and Applications
- Optimisation with Derivatives
- Exponential and Logarithmic Functions and Applications
- Rates of Change
- Applied Statistical Analysis
- Introduction to Integration.
- Annuities
Mathematics B is a recommended precursor to tertiary studies in subjects with high demand in mathematics, especially in the areas of science, medicine, mining and engineering, information technology, mathematics, finance, and business and economics.

Assessment
Each year the summative assessment consists of up to four supervised examinations and two alternative assessment tasks.

Summative assessment must be completed according to the Work Rate Calendar.

Requirements
Internet access is essential - preferred option is broadband.
Lesson outlines and extra support materials are delivered through Blackboard as part of The Learning Place.

Textbooks
Year 11
  ISBN13 9780731408108
Year 12
  ISBN13 9781742160375

Note: Electronic books may also be available for purchase.

NOTE: Textbooks must be purchased by students. Textbooks are NOT supplied by the school.

Equipment
- Graphics calculator: Texas Instruments: TI-nspire (preferred). Note the TI-nspire CAS model is allowed but cannot be used in the QCS exams at the end of year 12. Other models may be used but not supported. Students will need to keep their manuals for reference.
- If you have a personal computer, it will be possible to use generic software such as a spreadsheet program or high level mathematics software — such as TI-Interactive, Derive, Mathematica, Graph or Graphmatica for some tasks instead of the calculator but obviously not in exams.
- Access to a spreadsheeting package (e.g. Excel) is essential.

DISCLAIMER: All information contained is accurate at the time of publication.