

# VCE MATHEMATICAL METHODS

---

UNITS 3 & 4

For more detail on this course please visit:

<https://www.vcaa.vic.edu.au/curriculum/vce/vce-study-designs/mathematicalmethods/Pages/Index.aspx>

# MATHEMATICAL METHODS

---

- Mathematical Methods Units 3 and 4 covers a range of topics including the study of functions, algebra, calculus, probability and statistics. The applications of these topics in a variety of practical and theoretical contexts is studied.
- Assumed knowledge and skills for Mathematical Methods Units 3 and 4 are contained in Mathematical Methods Units 1 and 2.

# CONTENT REQUIREMENTS FOR UNITS 3 & 4

---

- The areas of study for Mathematical Methods Units 3 and 4 are:
  - 'Functions and graphs'
  - 'Algebra'
  - 'Calculus'
  - 'Probability and statistics'

# OUTCOMES

---

- Each assessment task will check that you have satisfactorily completed/demonstrated the following outcomes for that topic:
- **Outcome 1:** Be able to define and explain key concepts and apply a range of related mathematical routines and procedures.
- **Outcome 2:** Be able to apply mathematical processes in non-routine contexts, including situations requiring problem-solving, modelling or investigative techniques.
- **Outcome 3:** Be able to select and appropriately use technology to develop mathematical ideas, produce results and carry out investigations.

# ASSESSMENT/SACS

---

- Tests
- Investigations
- Exams