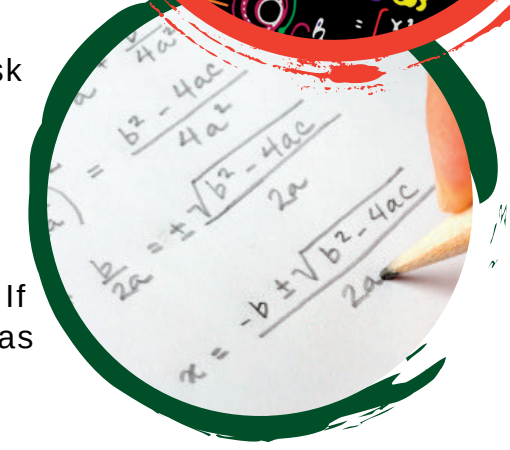# MATHEMATICS ADVANCED

Description

The study of Mathematics Advanced in Stage 6 enables students to enhance their knowledge and understanding of what it means to work mathematically, develop their understanding of the relationship between 'real-world' problems and mathematical models, extend their skills of concise and systematic communication.

This course is intended for students who have successfully completed Stage 5.3 Mathematics, achieved HSC Minimum Standards for numeracy and who have shown competence in the skills needed for this course. The course will further develop the algebraic and calculus aspects of the 5.3 course with relevance and application to the real world.

The course is rigorous and links well to tertiary studies in areas such as Physical Sciences, Computer Sciences and Engineering.

Assessment

Assessment tasks include a topic test, an investigation task and a major examination.

Additional Information

It is highly recommended that students are currently studying the 5.3 course or are excelling at the 5.2 course. If in doubt, students should contact their classroom teacher as to their suitability for this course.

There is a high expectation for homework in this course.

Students need a NESA approved calculator to undertake this course – calculators on mobile phones and similar devices are not acceptable.

Costs

NA

NUMBER OF UNITS: 2   ATAR: YES   HSC EXAMINATION: COMPULSORY