

# TAITA COLLEGE

## L2 Mathematics

### MAT 202

#### Course information:

This is a full Level 2 NCEA mathematics course which allows students to advance to Calculus or/and statistics in year 13. A **scientific/graphics calculator** is essential in order to pass this course. We recommend purchasing one from one of the major stationary outlets at the beginning of the year while they are having their "Back to School" sales. During this time you may purchase an appropriate calculator for around \$15. The normal retail price is over twice this price. Alternatively, you may purchase a **graphics calculator** if you want to continue to study Mathematics in Year 12 and Year 13.

Assessment is by achievement standards where as well as just achieving a passing grade, you are also able to achieve at Merit and Excellence level which will help you to gain an endorsement in your NCEA qualification. By gaining **15 credits at Merit level or higher** in this course will give you a **subject endorsement in mathematics** on completion of your NCEA.

You will be issued with a textbook which you are expected to care for and to bring to each class.

If you do not return the textbook you were issued with or the book is returned in a condition significantly poorer than when it was issued you will be charged a fee.

#### Workbooks

Four specific workbooks will need to be purchased, as required, during the year at a cost of \$7 per book, to enhance the learning that is required for those topics. Your teacher will advise when each workbook needs to be purchased during the year.

#### Pre-requisites for Level 3 Mathematics in 2017

- To do **Level 3 Statistics and Modelling** next year, students should aim to gain at least 12 credits from this course.
- To do **Level 3 Calculus** next year, students will need to gain 16 credits with a merit or higher, in at least two of Trigonometry, Algebra, Calculus or Graphs

**Total number of credits available:** 11 credits internally, 13 externally.

#### Re assessment opportunities:

Due to the compact nature of this course, **no** re-assessment opportunities will be granted.

Standard	Title	Credits	Internal/External	L2 Literacy	Assessment Date
AS 91259	Apply trigonometric relationships in solving problems	3	Internal	x	Term 1: Week 6
AS91256	Apply co-ordinate geometry methods in solving problems	2	Internal	x	Term 2: Week 3
AS91257	Apply graphical methods in solving problems	4	Internal	x	Term 2: Week 7
AS91269	Apply systems of equations in solving problems	2	Internal	x	Term 2: Week10
AS91261	Apply algebraic methods in solving problems	4	External	x	Term 4: NCEA External exam
AS91262	Apply calculus methods in solving problems	5	External	x	Term 4: NCEA External exam
AS91267	Apply probability methods in solving problems	4	External	x	Term 4: NCEA External exam

This course is **endorsable**