

MATH 0026 PRACTICAL MATHEMATICS (WSTC)

Credit Points 10

Legacy Code 900115

Coordinator Michael Casey ([https://directory.westernsydney.edu.au/search/name/Michael Casey/](https://directory.westernsydney.edu.au/search/name/Michael%20Casey/))

Description This subject has been designed to develop the students' mathematical literacy and mathematical thinking necessary for further education, work and everyday life. The subject aims to build on existing skills, develop skills in new areas and encourage students' confidence in their own ability by applying mathematical concepts to a series of real life problems.

School Western Sydney The College

Discipline Mathematics

Student Contribution Band HECS Band 1 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 0 Preparatory subject

Equivalent Subjects MATH 0002 - Foundations of Mathematics (WSTC)

Restrictions Students must be enrolled in University Foundation Studies Extended 3 Term program

Assumed Knowledge

Year 9 Mathematics or equivalent.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Demonstrate an understanding and proficiency in using the mathematical language and terminology presented in the subject.
2. Translate real life problems into mathematical language.
3. Select and apply a variety of problem solving strategies and techniques to solve familiar and unfamiliar real life problems.
4. Use appropriate techniques to assess validity of solutions and interpret results.

Subject Content

1. Problem solving
2. The Real Number System
3. Basic Arithmetic
4. Basic Algebra
5. Tables and Graphs
6. Measurements and Geometry
7. Trigonometry
8. Basic probability

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task
Intra-session Exam 1	1 hour	10	N	Individual
Intra-session Exam 2	1 hour	25	N	Individual
Intra-session Exam 3	1 hour	25	N	Individual
End of session exam	2 hours + 1 hour = 3 hours	40	N	Individual