

# Mathematics Short Course (Nathan) 2026

## Course Information

Many first-year courses within Science, Environment, Engineering and ICT degree programs at Griffith University require and assume fundamental mathematics skills.

This mathematics short course has been specifically designed for students who would like to improve their skills and confidence in basic algebra. It is also ideal for students who have been away from Mathematics for some time and would like to refresh their mathematical skills. The skills covered in this short course will be essential in courses such as Chemistry (1021SCG and 1022SCG), Physics (1031SCG and 1032SCG), Quantitative Reasoning (1015SCG), Linear Algebra (1201SCG) and Calculus 1 (1202SCG).

<b>Course Duration:</b>	Four Days
<b>Dates:</b>	Monday, February 9 – Thursday, February 12
<b>Time:</b>	9am to 4:30pm (with an earlier finish on Thursday)
<b>Venue:</b>	Griffith University Brisbane South (Nathan Campus) Kessels Road, Nathan, 4111 Room to be advised closer to starting date
<b>Fee:</b>	\$170 ( <i>including GST</i> ) for the entire four-day short course
<b>Instructor:</b>	Dr David Harman

The short course includes lectures (covers theory and worked examples) as well as tutorials where you will have the opportunity to practice your skills in small groups. The short course is only offered in-person (on-campus). There are no online options for this short course.

### **Topics Covered**

Order of operations  
Exponents (Index Laws)  
Factorisation  
Linear Equations  
Exponential Equations

Simplifying algebraic expressions  
Rearranging of equations/formulas  
Logarithms  
Introduction to trigonometry

### **What previous participants had to say**

*“I had a gap year, so it was a good ‘refresher’, reminded of a lot of forgotten things”*

*“... started out slow instead of just skipping the basics, which was more helpful ... ”*

*“They encouraged us to ask questions if we didn’t understand and helped us without making us feel stupid”*

*“In doing plenty of problems, my confidence boosted and my understanding increased.”*

### **To enrol in the short course**

Registration for the short course can be completed online using the following link.  
<https://www.griffith.edu.au/griffith-sciences/learning-teaching/science-short-courses>

### **Enrolment deadline**

Wednesday, February 4, 5pm

We reserve the right to cancel the course without notice if there are insufficient numbers, in which case a full refund will be paid.

### **Refund of fees**

A refund will only be made when a candidate cancels their enrolment at least 3 business days prior to the beginning of the course. Where a refund is approved, an administrative fee will be charged.

### **For further information please contact**

General enquiries: [shortcourses@griffith.edu.au](mailto:shortcourses@griffith.edu.au)  
Instructor (David Harman) [d.harman@griffith.edu.au](mailto:d.harman@griffith.edu.au)

**For students enrolled in 1201SCG Linear Algebra**

For a self-assessment of your algebra skills, you are encouraged to complete the diagnostic algebra quiz which can be found on the Short Course website. Answers are provided so that you can mark your quiz. The pass mark is 27 out of 30. If you cannot pass this quiz without difficulty, then you should consider participating in the Mathematics Short Course.