

EPPREP 780: Mathematics for Beginners

Callaghan

Summer 2 - 2024



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

The Pathways and Academic Learning Support Centre recognises and respects the unique history and culture of Aboriginal and Torres Strait Islander peoples and their unbroken relationship with the lands and the waters of Australia over millennia. We are dedicated to reconciliation and to offering opportunities for Aboriginal and Torres Strait Islander peoples to access and succeed in higher education. The Centre is committed to providing a culturally safe and inclusive environment for all.

OVERVIEW

Course Description	Mathematics for Beginners is an introductory course for students who are enrolling in programs requiring some level of numeracy and algebraic skills, for example, Primary Teaching, Construction Management, Architecture, Biotechnology or Information Technology. We recommend this preparation course for students with limited prior studies in mathematics.
Academic Progress Requirements	Nil
Requisites	This course is only available to domestic students enrolled in NUPrep Bridging and Refresher [22223].
Contact Hours	Lecture Face to Face On Campus 2 hour(s) per day for 5 day(s) starting Week 1 Self-Directed Learning Self-Directed 1 hour(s) per day for 5 day(s) starting Week 1 It is expected that you will spend at least one hour per day practicing skills and consolidating your learning. Tutorial Face to Face On Campus 1 hour(s) per day for 5 day(s) starting Week 1
Unit Weighting	5
Workload	Students are required to spend on average 20 hours of effort (contact and non-contact) including assessments per 5 unit course.

COURSE OUTLINE

CONTACTS

Course Coordinator **Ms Mandy Finch**

Mandy.Bowden@newcastle.edu.au

Consultation: Please email to schedule an appointment.

Teaching Staff

Other teaching staff will be advised on the course Canvas site.

School Office

Callaghan

Ground Floor, General Purpose Building (GP)

Ph: 02 4921 5558

enabling@newcastle.edu.au

Ourimbah

HO 168, Humanities Building

Ph: 02 4348 4076

enabling@newcastle.edu.au

SYLLABUS

Course Content

- Types of numbers
- Arithmetic
- Operations with negative numbers
- Order of operations
- Fractions
- Decimals, rounding and scientific notation
- Basic algebra: algebraic operations, indices, solving equations
- Linear functions

Course Learning Outcomes

On successful completion of this course, students will be able to:

1. Demonstrate competent numeracy skills
2. Use scientific notation and identify significant figures
3. Solve linear equations involving fractions and brackets
4. Build a number plane plotting points, graphing straight lines, gradients and solving equations for straight lines.

Course Materials

All course materials will be provided on the Canvas site. Students are not required to purchase a textbook. A calculator may be useful but is not essential.

ASSESSMENTS

This course has 5 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Quiz 1	Monday 12 th February 11:59pm	Individual	20%	1
2	Quiz 2	Monday 12 th February 11:59pm	Individual	20%	1
3	Quiz 3	Monday 12 th February 11:59pm	Individual	20%	1, 2
4	Quiz 4	Monday 12 th February 11:59pm	Individual	20%	1, 3
5	Quiz 5	Monday 12 th February 11:59pm	Individual	20%	1, 4

Late Submissions

Completion of each assessment item is necessary for a pass grade in this course. Extensions of time may be granted in consultation with your Course Coordinator.

Assessment 1 - Quiz 1

Assessment Type	Quiz
Description	Online quiz based on content covered in the day 1 lecture and tutorial. This quiz has no time limit and can be attempted as many times as necessary. Students can review the questions to research any errors and then reattempt to improve the score.
Weighting	20%
Due Date	Monday 12 th February 11:59pm
Submission Method	Online
Assessment Criteria	Correct answers
Return Method	Online
Feedback Provided	Feedback will be provided in Canvas upon completion of the quiz

Assessment 2 - Quiz 2

Assessment Type	Quiz
Description	Online quiz based on content covered in the day 2 lecture and tutorial. This quiz has no time limit and can be attempted as many times as necessary. Students can review the questions to research any errors and then reattempt to improve the score.
Weighting	20%
Due Date	Monday 12 th February 11:59pm
Submission Method	Online
Assessment Criteria	Correct answers
Return Method	Online
Feedback Provided	Feedback will be provided in Canvas upon completion of the quiz

Assessment 3 - Quiz 3

Assessment Type	Quiz
Description	Online quiz based on content covered in the day 3 lecture and tutorial. This quiz has no time limit and can be attempted as many times as necessary. Students can review the questions to research any errors and then reattempt to improve the score.
Weighting	20%
Due Date	Monday 12 th February 2024 11:59pm
Submission Method	Online
Assessment Criteria	Correct answers
Return Method	Online
Feedback Provided	Feedback will be provided in Canvas upon completion of the quiz

Assessment 4 - Quiz 4

Assessment Type	Quiz
Description	Online quiz based on content covered in the day 4 lecture and tutorial. This quiz has no time limit and can be attempted as many times as necessary. Students can review the questions to research any errors and then reattempt to improve the score.
Weighting	20%
Due Date	Monday 12 th February 2024 11:59pm
Submission Method	Online
Assessment Criteria	Correct answers
Return Method	Online
Feedback Provided	Feedback will be provided in Canvas upon completion of the quiz

Assessment 5 - Quiz 5

Assessment Type	Quiz
Description	Online quiz based on content covered in the day 5 lecture and tutorial. This quiz has no time limit and can be attempted as many times as necessary. Students can review the questions to research any errors and then reattempt to improve the score.
Weighting	20%
Due Date	Monday 12 th February 2023 11:59pm
Submission Method	Online
Assessment Criteria	Correct answers
Return Method	Online
Feedback Provided	Feedback will be provided in Canvas upon completion of the quiz

ADDITIONAL INFORMATION

Grading Scheme

This course is graded as follows:

Grade	Description
Ungraded Pass (UP)	There are no marks associated with this result and you have met the level requirements to pass the course.
Fail (FF)	Failure to satisfactorily achieve assessment objectives or compulsory course requirements. A fail grade may also be awarded following disciplinary action.

Communication Methods

Email is the principal form of communication at the university and within this course. Always use your student email (NUmail), rather than a private email address, and check this regularly. As Course Coordinator I will try to respond to your email within three (3) working days. I will not normally respond to emails over the weekends. Please be courteous in your email communication and in the online space. The University of Newcastle has a [Code of Conduct](#) that covers all communications in the University for staff and students.

Canvas is used to distribute course material, announcements and other information. It is also used for online quizzes and to allow students to track their individual progressive assessment results via Grades.

Discussions forums in Canvas can be used to ask questions about minor issues. Students are strongly encouraged to use these to communicate with each other, discuss issues relating to the course, and solve minor problems.

Adverse Circumstances

The University acknowledges the right of students to seek consideration for the impact of allowable adverse circumstances that may affect their performance in assessment item(s). Applications for Adverse Circumstances must be lodged via the online Adverse Circumstances system for all individual assessment items worth 30% or greater **by 11:00pm on the day the assessment is due**. For assessment items less than 30%, you will need to contact your Course Coordinator by 11:00pm on the due date of the assessment item.

Before applying you must refer to the [Adverse Circumstances Affecting Assessment Items Procedure](#) and the [Adverse Circumstances Affecting Assessment Items Policy](#).

Please note that students must submit their adverse circumstances application via the online Adverse Circumstances system by 11:00pm on the due date of the assessment item, even if you are using a [Reasonable Adjustment Plan \(RAP\)](#) as your supporting documentation.

Academic Misconduct

All students are required to meet the academic integrity standards of the University. These standards reinforce the importance of integrity and honesty in an academic environment. Academic Integrity policies apply to all students of the University in all modes of study and in all locations. Please refer to the [Student Academic Integrity Policy](#).

Workplace Health and Safety Requirements

There are no specific WH&S requirements for this course.

Important Policy Information

The Help button in the Canvas Navigation menu contains helpful information for using the Learning Management System. Students should familiarise themselves with the [policies and procedures](#) that support a safe and respectful environment at the University.

Course Evaluation

Each year feedback is sought from students and other stakeholders about the courses offered in the University for the purposes of identifying areas of excellence and potential improvement.

Timetable

Your timetable for this course is available via the myUni Student Portal and can also be found [here](#).

Software	Free Microsoft Office software is available to enrolled students here and includes 5 TB of free cloud storage with OneDrive.
Written Assessment Word Limits	Word limits for your written assessments includes headings, sub-heading, in-text citations, quotes and referencing but does not include the list of references, appendices and footnotes. You will not receive a penalty for exceeding the word limit (there is a tolerance of up to 10%), but any work after the maximum word limit may not be included within the allocation of marks.

This course outline was approved by the Director, PALS. No alteration of this course outline is permitted without Director approval. If a change is approved, students will be notified and an amended course outline will be provided in the same manner as the original.
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