EDST1234

Mathematics for Primary Teachers

Session 2, In person-scheduled-weekday, North Ryde 2026

Macquarie School of Education

Contents

General Information

Unit convenor and teaching staff
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Credit points
10

Prerequisites
Admission to BABEd(Primary) or BEd(Prim)BPsyc or BEd(Prim) or BEd(EC and Prim)

Corequisites

Co-badged status

Unit description
This unit is designed for students intending to teach in primary schools but who did not achieve a minimum of Band 4 in HSC mathematics. The unit focuses on fundamental mathematical techniques and their application to problem solving. The unit adopts a practical, hands-on approach to help students develop and apply their mathematical knowledge and skills in number and algebra, measurement and geometry, statistics and probability.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

ULO1: Demonstrate sound knowledge and skills in key mathematics concepts.

ULO2: Use mathematical concepts, skills and techniques in a variety of mathematical contexts.

ULO3: Use mathematical reasoning to select and justify the use of appropriate

mathematical problem-solving strategies.

ULO4: Communicate mathematical ideas using technologies, notation, diagrams and graphs.

ULO5: Engage in independent and collaborative learning while engaging with big ideas of mathematics.

ULO6: Meet the equivalent of HSC Band 4 result in mathematics or 0.125 EFTSL of mathematics/numeracy

General Assessment Information

General Submission Information

All written assessments must be submitted electronically. Please format assessments using 12-point font and 1.5 spacing. Submissions must meet the required file type and formatting specifications outlined in the assessment guidelines. If you are unsure about the file format or have technical difficulties, it is your responsibility to seek assistance before the submission deadline. Students should be careful to check that they submit the correct file for an assessment as no re-submissions will be accepted after the due date and time, including instances where students upload an incorrect file. It is not the responsibility of unit staff to contact students who have failed to submit assessments. If you have any missing items of assessment, it is your responsibility to contact the unit convenor.

Turnitin plagiarism detection software is used to check all written assessments. It is the responsibility of all students to ensure that their submitted work is in a format compatible with Turnitin software for plagiarism checking. Students can use Turnitin's Originality Report as a learning tool to improve their academic writing if this option is made available in the unit.

Word limits are strictly applied, with + or – 10% applicable. Work above the word limit will not be marked.

Academic Integrity

Students should be aware of and apply the University policy on academic integrity (see: https://policies.mq.edu.au/document/view.php?id=3).

Artificial Intelligence

https://students.mq.edu.au/study/assessment-exams/assessments/ai-and-assessment

https://policies.mq.edu.au/document/view.php?id=394

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Special Consideration / Late Penalties

Unless a Special Consideration request has been submitted and approved, a 5% penalty (of the total possible mark) will be applied each day to late submissions, up until the 7th calendar day (including weekends). After the 7th day, a mark of '0' (zero) will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55pm. A 1-hour grace period is provided to students who experience a technical issue.

Important to note:

Late submission of time sensitive tasks (such as tests/exams, performance assessments/ presentations, scheduled practical assessments/labs) will be addressed by the unit convenor in a Special consideration application.

Students should not request an informal arrangement from their tutor, lecturer or Unit Convenor (or equivalent).

Where an application for Special Consideration is approved and the outcome is an extension to the due date of a task, submissions that are received after the new due date will be subject to late penalties that are calculated from the new due date. This only applies where the outcome is an extension to the due date – see the Special Consideration Policy for a schedule of all possible outcomes.

A Special Consideration outcome may result in a new question or topic.

Applications must be made via Service Connect.

Quiz

The quiz is an individual assessment task and must be completed by each student

individually. Similarities in responses between students will be checked and investigated for possible collusion.

University Policy on Grading

Assignments will be awarded grades ranging from HD to F according to guidelines set out in the University's Grading System and University Assessment Policy.

To attain a pass or higher grade in Professional Experience a student must obtain a satisfactory in both the Professional Experience component and a pass or higher grade in the academic component. For Professional Experience units the Professional Experience Evaluation Report is marked as Satisfactory or Unsatisfactory. The Macquarie Teaching Performance Assessment (MQTPA - in final WIL/PEx units) is marked as Not met, Met or Exceeds.

Results

Results shown in iLearn, or released directly by your Unit Convenor, are not confirmed because they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit Service Connect.

Withdrawing from this unit

If you are considering withdrawing from this unit, please seek academic advice via Service Connect before doing so as this unit may be a co-requisite or prerequisite for units in the following sessions and may impact your course progression.

Assessment Tasks

Name	Weighting	Hurdle	Due	Groupwork/Individual	Short Extension	AI Approach
Mathematics Problem Set 1	25%	Yes	During Week 4 tutorial	Individual	No	Observed
Mathematics Problem Set 2	25%	Yes	During Week 7 tutorial	Individual	No	Observed
Mathematics Problem Set 3	25%	Yes	During Week 8 tutorial	Individual	No	Observed
Mathematics Problem Set 4	25%	Yes	During Week 13 tutorial	Individual	No	Observed

Mathematics Problem Set 1

Assessment Type [1]: Problem-based task
Indicative Time on Task [2]: 22.5 hours

Due: **During Week 4 tutorial**
Weighting: **25%**
Groupwork/Individual: Individual
Short extension [3]: No
AI Approach: Observed
This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

Problem sets covering the content for the unit. Students will be given up to three attempts for each problem set. Students need to pass all problem sets to pass the unit. This unit is a new NESA accreditation rule for Primary ITE students who do not meet Band 4 HSC maths.

On successful completion you will be able to:

- Demonstrate sound knowledge and skills in key mathematics concepts.
- Use mathematical concepts, skills and techniques in a variety of mathematical contexts.
- Use mathematical reasoning to select and justify the use of appropriate mathematical problem-solving strategies.
- Communicate mathematical ideas using technologies, notation, diagrams and graphs.
- Engage in independent and collaborative learning while engaging with big ideas of mathematics.
- Meet the equivalent of HSC Band 4 result in mathematics or 0.125 EFTSL of mathematics/numeracy

Mathematics Problem Set 2

Assessment Type [1]: Problem-based task
Indicative Time on Task [2]: 22.5 hours
Due: **During Week 7 tutorial**
Weighting: **25%**
Groupwork/Individual: Individual
Short extension [3]: No
AI Approach: Observed
This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

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Mathematics Problem Set 3

Assessment Type [1]: Problem-based task
Indicative Time on Task [2]: 22.5 hours
Due: **During Week 8 tutorial**
Weighting: **25%**
Groupwork/Individual: Individual
Short extension [3]: No
AI Approach: Observed
This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

Problem sets covering the content for the unit. Students will be given up to three attempts for each problem set. Students need to pass all problem sets to pass the unit. This unit is a new NESA accreditation rule for Primary ITE students who do not meet Band 4 HSC maths.

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Mathematics Problem Set 4

Assessment Type [1]: Problem-based task
Indicative Time on Task [2]: 22.5 hours
Due: **During Week 13 tutorial**

Weighting: **25%**
Groupwork/Individual: Individual
Short extension [3]: No
AI Approach: Observed
This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

Problem sets covering the content for the unit. Students will be given up to three attempts for each problem set. Students need to pass all problem sets to pass the unit. This unit is a new NESA accreditation rule for Primary ITE students who do not meet Band 4 HSC maths.

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[1] If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- Academic Success for academic skills support.

[2] Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation.

[3] An automatic short extension is available for some assessments. Apply through the Service Connect Portal.

Delivery and Resources

There are no required texts for this unit. On-line resources and additional information about the unit is on the iLearn site

This unit has a full web presence through iLearn. Information for students about access to the online component of this unit is available at https://ilearn.mq.edu.au/login/index.php. You will need to enter your student username and password.

Please do NOT contact the Unit Convenor regarding iLearn technical help. Assistance is available from IT Helpdesk: via email onehelp@mq.edu.au or Ph: 9850 4357 or 1800 67 4357. On Campus: Ground floor at 18 Wally's Walk.

Unit Schedule

The week by week outline of the unit is available on iLearn.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Assessment Procedure
- Complaints Resolution Procedure for Students and Members of the Public
- Special Consideration Policy

Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.edu.au) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/admin/other-resources/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit connect.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing an

d maths support, academic skills development and wellbeing consultations.

Academic Progression Policy

This unit is a part of a professional course listed on Schedules 2 and 3 of the Academic Progression Policy. This course has additional requirements that are applicable for the full duration of the course, including course-specific Inherent Requirements, Fitness to Practice requirements and other compulsory course requirements. It also has rigorous academic progression standards. Inability to meet these requirements may result in a withdrawal of offer of admission and/or permanent exclusion from the course in accordance with the General Coursework Rules.

Fitness to practice in a Professional Experience unit

Macquarie University operates under a 'Fitness to Practice' model as specified in the University's Academic Progression Policy. For this unit, this means that, when undertaking a placement, a student is declaring that they are able to demonstrate professional competence, acceptable professional behaviour, freedom from impairment, and compliance with program specific requirements needed for a student to practice properly and safely throughout their Practical, Clinical or Professional program or unit. It is the responsibility of the student to determine whether they are fit to undertake a placement. Therefore, if a student is feeling unfit to undertake a placement, they should not do so. For more information see the Academic Progression Policy.

Communication

It is the student's responsibility to check all electronic communication on a weekly basis. Communication may occur via:

Official MQ Student Email Address

The Dialogue function on iLearn

Other iLearn communication functions

Attendance and Participation

See the University timetable for information about when classes begin in this unit. Creating your timetable - Enrolling | Macquarie University, Sydney (mq.edu.au). Students are required to attend the tutorial in which they are enrolled. Any changes to tutorial enrolments must be completed officially through e-Student. Please do not contact the unit convenor to request a change.

There is an attendance requirement in this unit. Initial Teacher Education (ITE) degrees must ensure that teacher education students meet unit learning outcomes, course learning outcomes and the Graduate level of the Australian Professional Standards for Teachers. Since units are within an accredited ITE degree, Macquarie School of Education is required to demonstrate these outcomes and standards have been taught, practised and assessed. To meet 'taught, practiced and assessed' accreditation requirements, ITE units have mandatory attendance, with an expectation of at least 80% attendance at tutorials. Please see your unit iLearn site for details of how to meet attendance requirements in this unit.

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

Academic Success

Academic Success provides resources to develop your English language proficiency, academic writing, and communication skills.

- Ask a Study Coach
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Services and Support

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues
- Student Advocacy provides independent advice on MQ policies, procedures, and processes

Student Enquiries

Got a question? Ask us via the Service Connect Portal, or contact Service Connect.

IT Help

For help with University computer systems and technology, visit https://students.mq.edu.au/support/technology/service-desk.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.

Changes from Previous Offering

There will be no Reflection component required in 2026.

Unit information based on version 2026.04 of the Handbook