Overview

Functions (and their inverses), limits, asymptotes, continuity; differentiation and applications; integration, the definite integral and applications; inverse trigonometric functions; the logarithmic and exponential functions and applications; sequences and series; mathematical induction; the binomial theorem and applications; introduction to probability theory; introduction to 3-dimensional geometry; introduction to linear algebra.

Assumed knowledge: A level of knowledge equivalent to achieving a mark of at least 60 in HSC Mathematics. Students who have taken General Mathematics will not have achieved the level of knowledge which is assumed in this course.

Note: This course is not intended for students who propose to study a substantial amount of Mathematics beyond first year level. Many later year courses in Mathematics have completion of MATH1231, MATH1241 or MATH1251 as a prerequisite. This course can be taken as a preparatory course by students who need to take MATH1131 but do not meet the assumed knowledge requirement.

This course is not available as a General Education Course or as an Elective where students have met the assumed knowledge of Mathematics and Mathematics Extension 1.
**Faculty**  
Faculty of Science

**School**  
School of Mathematics & Statistics

**Study Level**  
Undergraduate

**Offering Terms**  
Term 1, Term 3

**Campus**  
Kensington

**Delivery Mode**  
Partially online

**Indicative contact hours**  
2

**Timetable**  
Visit timetable website for details
Conditions for Enrolment

Exclusion: Not enrolled in 3991 or any UNSW Business Program
## Exclusion Courses

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Title</th>
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<tr>
<td>MATH1151</td>
<td>6</td>
<td>Mathematics for Actuarial Studies and Finance 1A</td>
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<td>DPST1013</td>
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<td>Mathematics 1A</td>
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<td>MATH1131</td>
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<td>MATH1031</td>
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<td>Mathematics for Life Sciences</td>
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<td>MATH1141</td>
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<td>Higher Mathematics 1A</td>
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<td>ECON2291</td>
<td>6</td>
<td>Quantitative Analysis for Business and Economics (Arts)</td>
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<td>ECON1202</td>
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To access course outline, please visit:

MATH1011 Course Outline
### Fees

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<tr>
<td>Commonwealth Supported Students</td>
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<tr>
<td>Domestic Students</td>
<td>$5970</td>
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<tr>
<td>International Students</td>
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**DISCLAIMER**

Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the fee website.

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179