

# MATH 1035 MATHEMATICS FOR ENGINEERS 2 (ADVANCED)

**Credit Points** 10

**Legacy Code** 301337

**Coordinator** Stephen Weissenhofer ([https://directory.westernsydney.edu.au/search/name/Stephen Weissenhofer/](https://directory.westernsydney.edu.au/search/name/Stephen%20Weissenhofer/))

**Description** This subject will be offered at Engineering Innovation Hub - Hassall St, Parramatta campus. This subject covers a number of topics that build on calculus knowledge from Mathematics for Engineers 1 (Advanced). Calculus is essential for engineering as it involves studying how things change over small intervals of time and allows for modelling such changes. Topics include ordinary differential equations, Laplace transforms and multi-variable calculus. In applying mathematical concepts to problems, students develop analytical thinking and problem solving skills, as well as communication skills to present clear and logical arguments. Students are encouraged to be independent and reflective learners in completing tutorial problems and online assessments.

**School** Computer, Data & Math Sciences

**Discipline** Mathematics

**Student Contribution Band** HECS Band 1 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 1 subject

**Pre-requisite(s)** MATH 1034

**Assumed Knowledge**

HSC Physics and HSC Mathematics Extension 1 or HSC Mathematics Extension 2. HSC Two units of Science and HSC two units of English.

## 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	Mandatory
Quiz	15 minutes	10	N	Individual	N
Intra-session Exam	50 minutes x 4	40	N	Individual	N
Final Exam	2 hours	50	Y	Individual	Y

Teaching Periods

## Spring (2024)

**Parramatta City - Macquarie St**

**On-site**

**Subject Contact** Stephen Weissenhofer ([https://directory.westernsydney.edu.au/search/name/Stephen Weissenhofer/](https://directory.westernsydney.edu.au/search/name/Stephen%20Weissenhofer/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=MATH1035\\_24-SPR\\_PC\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=MATH1035_24-SPR_PC_1#subjects))

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