

MATH 1034 MATHEMATICS FOR ENGINEERS 1 (ADVANCED)

Credit Points 10

Legacy Code 301333

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

Description This unit will be offered at Engineering Innovation Hub - Hassall St, Parramatta campus. This unit provides foundational knowledge in key mathematical concepts which are essential for other mathematics units in engineering degrees. The subject matter includes: differential and integral calculus of a single variable, complex numbers, aspects of matrix algebra, vectors, and some elementary statistics and probability theory. In applying maths 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 Eng, Design & Built Env

Student Contribution Band HECS Band 1 10cp

Check your HECS Band contribution amount via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 1 subject

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.

Teaching Periods

2022 Semester 1 Parramatta City - Macquarie St

Day

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=MATH1034_22-AUT_PC_D#subjects)