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/)

Description This subject will be offered at Engineering Innovation Hub - Hassall St, Parramatta campus. This subject provides foundational knowledge in key mathematical concepts which are essential for other mathematics subjects 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

Discipline Mathematics

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.

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
Quiz	15 minutes each	10	N	Individual
Intra-session Exam	50 minutes duration each	40	N	Individual
End-of-session Exam	2 hours	50	N	Individual

Teaching Periods

Autumn (2022)

Parramatta City - Macquarie St

Day

Subject Contact Stephen Weissenhofer (https://directory.westernsydney.edu.au/search/name/Stephen Weissenhofer/)

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=MATH1034_22-AUT_PC_D#subjects)

Spring (2022)

Parramatta - Victoria Rd

Day

Subject Contact Stephen Weissenhofer (https://directory.westernsydney.edu.au/search/name/Stephen Weissenhofer/)

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=MATH1034_22-SPR_PS_D#subjects)

Autumn (2023)

Parramatta City - Macquarie St

On-site

Subject Contact Stephen Weissenhofer (https://directory.westernsydney.edu.au/search/name/Stephen Weissenhofer/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=MATH1034_23-AUT_PC_1#subjects)

Spring (2023)

Parramatta City - Macquarie St

On-site

Subject Contact Stephen Weissenhofer (https://directory.westernsydney.edu.au/search/name/Stephen Weissenhofer/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=MATH1034_23-SPR_PC_1#subjects)