LINEAR ALGEBRA

COURSE

Course delivery

- Lectures – 2 hours
- Tutorials – 2 hours

On successful completion of this unit students can:	
1	Apply complex arithmetic to solve polynomial equations
2	Apply vector techniques to solve problems on lines and planes
3	Execute routine matrix manipulations, including the determination of solutions of systems of linear algebraic equations and calculating inverses of matrices
4	Generate and use basic logical mathematical arguments in the solution of problems

COURSE EVALUATION

- Continuous Assessments
- Quiz 01 12.5%
- Midterm Examination 25%
- Quiz 02 12.5%
- Final Examination 50%

- Calculators are allowed

CONTACT INFORMATION

Malabe Centre

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AREAS COVERED

- Complex Numbers
- Vectors and Matrices
- Applications of Matrices
- Determinants
- Lines and Planes
- Vector Spaces
- Eigen Values and Eigenvectors

Learning Resources

Recommended texts

You do not have to purchase the following textbooks but you may like to refer to them.

- Stewart, J., Redlin, L., and Watson, S. (2016). Precalculus Mathematics for Calculus, 7th Edition, Cengage Learning.

  (ISBN/ISSN: 978-1-305-07175-9)
- Larson, R. (2017). Elementary Linear Algebra, 8th Edition, Cengage Learning.

  (ISBN/ISSN: 978-1-305-65800-4)
- Poole, D. (2015). Linear Algebra: A Modern Introduction, 4th Edition, Cengage Learning.

QUESTIONS?