Algebra 3: Further Linear Algebra (MATH0014)

**Description**

The aim of this course is to complete the study of the basic concepts of linear algebra started in the first year. The topics covered have applicability in many areas of mathematics. The ring theory of polynomials over a field is studied. The theory of the diagonalization of matrices is completed and Jordan normal form is introduced. The theory of quadratic forms and orthogonal diagonalization are introduced.

**Key information**

- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: UG L5, Campus-based
- **Reading List**: [View on UCL website](#)
- **Tutor**: Mr Isidoros Strouthos
- **Term**: Term 1
- **Timetable**: [View on UCL website](#)

**Assessment**

- Written examination (main exam period): 90%
- Coursework: 10%

**Find out more**

For more information about the department, programmes, relevant open days and to browse other modules, visit [ucl.ac.uk](http://ucl.ac.uk)

**Disclaimer**: All information correct as of August 2019. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.