Course content for MT2800, Linear Algebra

Prerequisites:
MT1820

Aims:
To develop the matrix theory covered in MT1820

Learning outcomes:
On completion of the course, the student should be able to:
- understand rank and nullity of a linear map and the connection between them;
- calculate orthonormal bases;
- diagonalise real symmetric matrices;
- check positivity of a real symmetric matrix in various ways;
- apply the least squares method.

Course content: