COURSE DETAIL

LINEAR MATHEMATICS 2

Country
United Kingdom - Scotland

Host Institution
University of St Andrews

Program(s)
Scottish Universities,Psychology and Neuroscience, St Andrews,University of St Andrews

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
109

UCEAP Course Suffix

UCEAP Official Title
LINEAR MATHEMATICS 2

UCEAP Transcript Title
LINEAR MATH 2

UCEAP Quarter Units
6.00

UCEAP Semester Units

4.00

Course Description
This course continues the study of vector spaces and linear transformations begun in MT2501. It shows the importance of linearity in many areas of mathematics ranging from linear algebra through to geometric applications to linear operators and special functions. The main topics include diagonalization and the minimum polynomial, Jordan normal form, inner product spaces, orthonormal sets and the Gram-Schmidt process, and adjoint and self-adjoint operators.

Language(s) of Instruction
English

Host Institution Course Number
MT3501

Host Institution Course Title
LINEAR MATHEMATICS 2

Host Institution Course Details

Host Institution Campus
St Andrews

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics & Statistics

Course Last Reviewed

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