

Politechnika Rzeszowska
Linear Algebra
Department of Physics and Medical Engineering
Winter 2017

Instructor Information:

Instructor: Dr Nicholas Sedlmayr

Office: K47

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Course Web Page: See [this](#) page.

Class Time and Location: Wednesdays 14:00 - 15:30, K47

Course Content: The topics of this course includes

- matrices,
- vector spaces,
- inner products,
- orthogonality,
- linear transformations,
- eigenvalues and eigenvectors, and
- applications.

Grading: The course grade will be based on continuous assessment and a final oral exam.

Objectives: To have a solid overview of linear algebra and its possible applications.

Prerequisites: Basic algebra and calculus, knowledge of functions, etc.