

Politechnika Rzeszowska  
Higher Mathematics in English  
Department of Physics and Medical Engineering  
Summer 2018

**Instructor Information:**

*Instructor:* Dr Nicholas Sedlmayr

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

**Class Time and Location:** Wednesdays 14:00 - 15:30, V6

**Course Content:** The topics of this course include

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

The focus is on learning the English mathematical terms and notation in exercise led classes.

**Grading:** The course grade will be based on class tests and oral tests.

**Objectives:** To have a solid overview of linear algebra and the mathematical notation in English.

**Prerequisites:** Basic algebra and calculus, knowledge of functions, etc. Reasonable proficiency in English.