线性代数（甲）课程介绍

一、中文简介：

　　本课程是文理科公选课程。线性方程组的求解、矩阵理论、线性空间以及线性变换理论都是现代科学和技术的重要基础，而行列式是其中不可缺少的研究工具。二次型的研究刻画了几何的特性和需求。本课程主要围绕着上述内容展开并涵盖了全国硕士研究生入学统一考试的考纲中线性代数的所有内容。

二、英文简介：

　　This course is a degree program for undergraduate students of Zhejiang University whose majority is in the field of engineering and science, etc. It includes the theory of solving linear equations, the basic theory of matrix, linear space and quadratic form, and an introduction to the theory of linear transformation, which are very useful in science and technology.