

微积分（甲）II 课程介绍

一、中文简介：

《微积分》是以函数为研究对象，运用极限手段（如无穷小与无穷逼近等极限过程），分析处理问题的一门数学学科，学时数为 80 学时。教学内容有：矢量代数与空间解析几何、多元函数的微分学、多元函数的积分学、场论初步、无穷级数。课程将采用讲授与讨论相结合的方法。

二、英文简介：

《Calculus》 is a mathematical subject, which studies the functions, applies the method of limits (i.e. limit process like infinitesimals and infinite approximation) to analyze and deal with issues, with 80 class hours. The teaching content includes: Vector Algebra and Analytic Geometry in Space , Differential Calculus of Multivariable Functions and its Applications , integral calculus of Multivariable functions and its appliances , field theory and infinite series. The Methods of discussion and case study will be used in this course, and the capacity of quick-primary policy analysis will be emphasized.