

物理化学课程介绍

一、中文简介：

教学内容由热力学和动力学为主体，涉及：热力学基本概念、定律、原理、方法，溶液、相平衡、化学平衡的热力学，唯象动力学的基本概念，反应速率理论，催化作用，电化学基础，表面现象（界面现象）及胶体化学。通过学习本课程，要求学生对物理化学有系统的认识，并了解其在化学、化工、环境、材料、能源、生命、医药、农业等学科中的根基地位及其相互的关系。

二、英文简介：

Physical Chemistry contains thermodynamics and kinetics as the main content, which is concerning the definitions, basic principles, methods, and rules of thermodynamics, reaction theories, and catalysis of kinetics, interface phenomena, and electrochemistry. The object of this course is to enhance the research interest of students, and cultivate the overall idea of physical chemistry for dealing with the chemical problems in their future career lives.