

材料力学(乙)课程介绍

一、中文简介：

《材料力学》是一门重要的工科基础课程，内容主要包括杆件在拉伸、压缩、扭转、弯曲、剪切等基本变形以及组合变形下的强度与刚度分析、应力状态分析、应力应变关系、相当应力及强度理论、压杆稳定及临界应力、能量方法、超静定问题、动应力及疲劳等。

二、英文简介：

Mechanics of materials is an important and basic course in engineering and applied science. The main contents include the analysis of strength and stiffness of a bar under axial tension and compression, torsion, bending, shearing and combined loadings, analysis of stress state, stress-strain relation, equivalent stress and the theory of strength, stability of column and critical stress, energy method, statically indeterminate problems, dynamic stress and fatigue etc.