

建筑材料课程介绍

一、中文简介：

《建筑材料》课程主要包括建筑材料基本性质、无机气硬性胶凝材料、水泥、混凝土、砂浆、建筑钢材、防水材料、墙体材料和屋面材料、合成高分子材料、建筑装饰材料、隔热保温材料和吸声材料等。通过本课程的学习，使学生掌握土木工程常用材料的基本组成、技术性质、质量检验、应用技术等基本理论和基础知识。为将来在土木工程实践中正确选择和合理使用建筑材料打下基础；为后续专业课程提供建筑材料的基础理论知识。并通过建筑材料实验，使学生获得建筑材料试验的基本技能训练以及分析、处理实验数据、编写实验报告的能力，掌握相关试验方法和标准。

二、英文简介：

"Building Materials" course mainly covers the basic properties of civil engineering materials, inorganic gas-rigid cementitious materials, cement, concrete, mortar, admixtures, construction steel, waterproof materials, wall materials and roofing materials, synthetic polymer materials, architectural decoration materials, insulation materials and sound-absorbing material and so on. Learning through this course, students could master the basic theory and basic knowledge of the main content, technical properties, quality testing, application technology of civil engineering materials. This course was favor to select and use the civil engineering materials for the future in civil engineering practice and provide the basis theoretical knowledge of civil engineering materials for follow-up professional courses. And through the Civil Engineering Material Testing, student could receive training in basic skills testing and analysis, processing experimental data, the preparation of test reports

and master the relevant test methods and criteria.