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| MATE130003 | 纳米材料学 | 学分：2 | 周学时：2 |
| | Nanomaterials | 总学时：36 | |
| 预修课程： 高分子化学，高分子物理 | | | |
| 修读对象：材料化学四年级本科生 | | | |

中文课程简介（150 字以内）

纳米材料是纳米结构单元构成的且具有特殊性质的材料。纳米材料学就是讨论纳米材料制备方法、性能、用途和表征方法的学科。本课程所介绍的纳米材料包括：原子团簇、纳米粒子、纳米管、纳米丝纳米组装体系以及纳米复合材料，同时将对用于纳米材料表征和测量的仪器测试原理和测试方法作简要介绍。

英文课程简介

Nanomaterial is a kind of special material composed of nano-scale building blocks. This course will discuss the preparation, property, application and characterization of nanomaterial. The nanomaterial including cluster of atoms, nano-particles, nano-tube, nanowires and their assemblies as well as nanocomposite materials will be discussed in detail. Also, the measuring methods and principles of the instruments for nanomaterial will be discussed.