MATE110014	新型纳米碳材料	学分：2	周学时：2
	New Nano-carbon Materials	总学时：36	
预修课程：			
修读对象：材料科学系本科生以及其他感兴趣的外系学生			

中文课程简介（150 字以内）

新型纳米碳材料是近三十年科学研究的最前沿热点之一。由于其各项力学、电学、热学、光学等性能突出，越来越受到世人的瞩目。本课程主要讲授富勒烯、碳纳米管和石墨烯等新型纳米碳材料的发现、制备、改性和应用，简单介绍其器件的制备方法，并展望新型纳米碳材料未来发展趋势。

英文课程简介

New nano-carbon materials have been one of the hottest points in the region of materials science in recent 30 years. They have been drawing more and more attention because of their peculiar properties. In this curriculum, the history, preparation, modification and application of fullerene, carbon nanotubes and graphene will be studied. In addition, the preparation of their apparatus will be discussed.