

MATE110018	神奇的薄膜材料	学分：2	周学时：2
	Magic Thin Film Materials	总学时：36	
预修课程：无			
修读对象：除材料科学系外的所有学生			

中文课程简介（150 字以内）

薄膜材料渗透于我们生活的各个方面，从电子器件到传感器，从集成电路到太阳能电池，从计算机硬盘到平板显示器，从照相机到激光器，从工具到装饰材料，从冰柜玻璃到自清洁玻璃……，无不用到薄膜材料。本课程主要介绍薄膜材料在电子、能源、光学、建筑、制造业等各方面的应用，有益于学生开拓眼界、提高科学素养。

英文课程简介

Nowadays thin film materials are playing an important role in almost every aspect of our lives, such as electronic components, various sensors, integrated circuits, solar cells, hard disks, flat displays devices, cameras, lasers and also self-cleaning glass used as finishing materials. In this course, we'll mainly talk about its applications in several key fields like electronics, energy, optics, architectures, manufacturing etc. to give students a wider vision and a better understanding on it.