

MATE110022	微电子材料与集成电路发展史	学分：2	周学时：2
	The History of Microelectronic Materials and Integrated Circuit	总学时：36	
预修课程：			
修读对象：在校本科生			

中文课程简介（150 字以内）

本课程从技术和人文两条路线整理和讲述微电子材料与集成电路这一重大科技革命的历程。从材料的发展，器件结构与工艺的发展，重要的发明及其背后的故事，重要的人物及公司的历史故事等方面勾画出技术发展的概貌。帮助学生理解创新、团队建设、商业运作之间的关系，激励更多的学生投身于技术创新的实体经济范畴的学习与工作。

英文课程简介

In this course, the historical revolution of microelectronic materials and integrated circuits is sorted out and explained in both technical and cultural ways. This general picture includes the development of materials, device structures and processing. The talented inventions and important company and person are also mentioned to help the students to understand the relationship among creation, team building, business and technology. This information will encourage more students to devote to the study and work of creative technology.