

Course No. 11083200069
课程中文名称: 包装材料学
Course title in English: Packaging Materials
Credit hour: 2
<p>Course description</p> <p>The main content of this course is an overview of packaging materials; Structure, properties and application of paper packaging materials; Structure, properties and application of plastic packaging materials; Structure, properties and application of metal packaging materials; Structure, properties and application of glass and ceramic packaging materials; Structure, properties and application of composite packaging materials; Types and development status of new packaging materials; Characterization methods of packaging materials. The students are required to master and understand the structure-activity relationship (SAP) of various packaging materials, thus to acquire a certain knowledge in the design, research and development, and modification of new packaging materials, and to have certain innovation ability on the basis of reasonable selection of packing materials. At the same time, the students are also required to understand the principles and techniques of commonly used material characterization methods, and to be able to characterize the composition and properties of materials.</p>
Class hours: 36 hours
Prerequisite courses: None
<p>Testing methods: class paper + Usual Performance</p> <p>Course grade: ordinary achievement (30%) + Final course paper (70%)</p>
<p>Textbooks : <i>Materials for packing goods</i>, Jianqing Wang, Jinzhou Chen, China Light Industry Press, second edition, 2017; <i>A concise course of polymer</i>, Yanming Dong, Science Press, second edition, May 2017; <i>Test and analysis of polymer materials</i>, Hou Chen, Chemical Industry Press, first edition, Feb. 2011</p>
Lecturer: Dan Xu