

# Southwest University

## Graduate Course Syllabus

**Course Unit: School of Food Science**

Course No.	1108320063		Course name		Topics on food packaging							
Course category (√)	Compulsory courses ( ) Elective courses (√)	Credit hour	2	Total class hour	40	Lectures hours	20	Discussion hours	12	Experiment hours	8	
Lecturer	Daiming Li Yi Xu	Job title degree	Associate Professor Lecturer		Specialties			Food packaging design Food packaging technology				
Range of application by majors: Storage and processing of agricultural products, Food Science												
Prerequisite courses: Food technology, food and packaging machinery												
Teaching objectives and requirements:												
Food packaging is a systematic engineering with food as the core, involving food science, packaging materials, packaging technology, standards and regulations, quality control and packaging design, printing and other related knowledge and technical issues. Food packaging is a multi-disciplinary integrated application of technical disciplines, and it is an important professional courses in food-related courses. This course systematically describes the main packaging performance of food packaging materials, the principles and methods of food packaging, the basic technical methods of food packaging, food packaging special technical methods and food packaging creativity and design, introduces the composition of food packaging materials, classification, molding process, food Packaging design, food packaging standards and regulations, food packaging quality control. Through the study of this course, students are required to be able to carry out the creative food packaging design and package production and printing technology design for various of products according to the basic principles of packaging, methods, and make a reasonable choice of packaging materials, and packaging technology.												

Teaching and testing methods (it's need to be conducive to cultivating the innovative thinking and ability of graduate students)

Teaching methods : Combine classroom teaching with factory practice, includes 20 hours of classroom teaching, 8 hours of factory internship, and 12 hours of topic discussion

Testing methods: Food packaging discussion 20%, course papers 80%

### **Course contents and course hours allocation**

Topic 1: introduction to food packaging (10 class hours)

Elementary knowledge: Food packaging materials and packaging containers, principles and methods of food packaging, food packaging technology, methods and equipment.

Teaching method: class teaching

Topic 2: Food packaging design (12 class hours)

Elementary knowledge: Introduction to packaging design; packaging strategy and design method; packaging design elements and design procedures; packaging and decoration design; trademark logo; advertising and CIS design;

Teaching method: class teaching, interpretation of design cases

Topic 3: Food packaging making (10 class hours)

Elementary knowledge: Packaging modeling and structural design; packaging printing;

Teaching method: Classroom teaching, production case interpretation and packaging production process Trainee

Topic 4: Food packaging standards, regulations and quality control and safety (8 class hours)

Elementary knowledge: ISO packaging standards, European and American packaging laws and regulations, food packaging regulations and standards in the United States, China's food packaging regulations and standards, food packaging quality control methods, food packaging safety

Teaching method: class teaching

**The Catalog for main reference book (periodicals):**

	Author	Books and Periodicals'	Press
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S.N.		name	
1	Jianhao Zhang	Food packaging science	China Agriculture Press
2	Guohua Wu	Food packaging and container inspection	Chemical Industry Press
3	Xuehan Lin	Packaging technology	Hunan University Press
4	periodicals	China Packaging	
5	periodicals	Packaging engineering	
6	Yinhe Jin	Packaging printing	Graphic Communication Press
7	Jian Wang	Advertisement originality	China Architecture & Building Press
8	Weishan Wu	Corporate Image Planning-The introduction of CIS	Shanghai People's Fine Arts Publishing House
9	Weiyu Yang	Graphic Originality	Chongqing University Press
Review Comments of School (Institute, Center):			
<div>Signature (Date)</div>			
Review Comments of Student Committee:			
<div>Signature (Date)</div>			
Review Comments of Graduate School			
<div>Signature (Date)</div>			