《专业实习(食品科学与工程)》课程教学大纲

课程基本信息(Course Information)										
课程代码		*学时		*学分						
(Course Code)	AB318	(Credit Hours)	64	(Credits)	2					
*课程名称	丰小豆		<u> </u>	(Cicuity)						
(Course	专业实习(食品科学与工程)									
Name)	Food science and technology intership									
课程性质										
(Course Type)	专业实践类必修课									
授课对象										
(Target	食品科学与工程专业 3 年级本科生									
Audience)										
授课语言										
(Language of	中英文									
Instruction)										
*开课院系	农业与生物学院									
(School)										
先修课程	食品工程原理、食品工艺学、食品化学、生物化学、微生物学、食品物性学、食品、									
(Prerequisite)	品检验分析原理、食品保藏原理和食品机械设备等									
授课教师		#	课程网址							
(Instructor)	牛宇戈等		(Course							
		今日丰	Webpage)	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5. 大大曲刑的					
	食品专业实习是食品专业必修的专业实践类课程。通过在典型的									
	有代表性的企业实习,贯彻理论和实践相结合的教学原则,使学生初步									
	了解有关企业的组织管理、典型产品的生产过程;扩大和丰富生产知识、									
*课程简介	工艺知识和设备的运转使用知识;了解专业生产发展动态,增强感性证识;培养学生调查研究、分析和解决实际问题的能力及组织、管理工作									
(Description)										
	的能力; 开拓视野, 为后续课程的学习奠定基础; 促使从课目分科学习									
	向实际综合应用和从知识积累向能力生成的转化,以提高教学质量和培									
	养宽厚型、复合型、创新型的人才。									
	71 96/3	工、交自主、的	471 <u>— </u>							
	Fo	od science and tech	nology professional practic	e is a compulsor	y course focus					
	on professional practice. Through the typical enterprise internships and implementing									
	the teaching principles of combining theory and practice, students can understand the									
* 油和给人	organization and management of the enterprise and the production process of typical									
*课程简介 (Description)	products. Expand and enrich their product knowledge, process knowledge and									
(Description)	equipment operation knowledge during the practice. Understand the development of									
	professional production and enhance perceptual knowledge. Cultivate students' ability									
	to investigate, analyze, solve problems and their ability to organize and manage work. To promote the students' comprehensive application abilities and to develop									
	To pro	mote the students	' comprehensive applicat	ion abilities an	d to develop					

generous, complex, and innovative talents.

课程教学大纲(Course Syllabus)

*学习目标

(Learning Outcomes)

- 1. 通过课外的食品工厂参观与调查实践,提高对食品专业知识的综合认识,深入了解食品生产的工艺过程和设备特点(A1,A2,A5,B1,B2,B3,C5,D1,D5)。
- 2. 通过产品设计、生产实践、科研调查等,培养学生独立思考和解决问题能力、团队协作能力及分析表达能力。扩大食品专业知识眼界,为专业课学习打下良好基础(A3,A4,B1,B4, C2, C3,C4,D2,D3,D4)。
- 1. By means of extra food factory visits and investigations, enhance the comprehensive understanding of food expertise and in-depth understanding of the process and equipment characteristics of food production(A1,A2,A5, B1,B2,B3,C5,D1,D5).
- 2. Through product design, production practices, scientific research, etc., students can develop independent thinking and problem-solving skills, teamwork skills, and analytical skills. Expand the horizon of food professional knowledge and lay a good foundation for professional class learning(A3,A4,B1,B4, C2, C3,C4,D2,D3,D4).

	教学内容	学	教学方式	作业及要求	基本要求	考查方式
		时				
			1)现场讲解:用	1) 实习报告;		
			食品工艺学理论	2) 阐述其关		
			分析产品的特	键控制点,主		
*#严中家			征、工艺流程及	要工艺设备		
*教学内容			加工设备的工作	和企业管理	1) 听报告,	
进度安排及要			原理和应用范	等	2)参观学习	
求			围,关键控制点	1)Internship	交流	
1	工厂学习		的选择和监控	report;	1) Listen to	实习报告
(Class Schedule	Factory	32	等。	2) Explains its	the report	Internship
&	Tour		2)产品研发:通	key control	2) Visiting	report s
			过市场调研,运	points,	tour and	
Requirements)			用食品化学、食	processing	communicati	
			品工艺学、食品	equipment	on	
			工程原理等基本	and corporate		
			知识点,进行产	management,		
			品设计,使得同	etc.		
			学们深入掌握相			

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			关的理论和技	1)实习报告;	1)资料收集、	. N = N = 1 = 1
			术。	2)汇报 PPT	2)市场调研、	1)PPT 汇报
			3)报告分析和撰	3)每组至少	3) 关键工艺	2)个人汇报
			写:同学们通过	形成一种产	技术参数、	和提问
			产品研发、调查	다;	4) 撰写调查	3)感官评定
	食品产品		和实习报告的分	4)个人汇报	报告	4)实习报告
	研发及应		析与撰写,掌握	和提问	1) Data	1) PPT
	用	20	相关理论和技	1) Internship	collection,	presentation
	R&D of	32	术。	report;	2) market	2) Personal
	food		1)Explanation:	2) PPT;	research,	presentation
	products		Using food tech-	3) At least	3) key process	and Q&A
			nology theory to	one product	technical	3) sensory
			analyze product	per group;	parameters,	assessment
			features,	4) Personal	4) writing	4) internship
			technological	presentation	investigation	reports
			process, working	and Q&A	report	reports
-				and QQA	ιεμοιι	
			principle of			
			processing			
			equipment,			
			selection and			
			monitoring of			
			key control			
			points, etc.			
			2) Product R&D:			
			Complete the			
			Product design			
			work through			
			marketing			
			research and the			
			use of basic			
			knowledge such			
			as food			
			chemistry, food			
			technology, and			
			food engineering			
			principles.			
			Enable students			
			to master the			
			relevant theories			
			and techniques.			
			•			
			3) Report			
			analysis and			
			writing: The			
			students			
			mastered related			
			theories and			

		techniques through the product development, analysis, surveys and writing internship reports.	,		
*考核方式 (Grading)	4)出勤 10% The course asse	·包括: 1)实习报告设 sessment includes: 1) Ir ect 10%; 4) Sensory eva	ternship report 20	%; 2) Product cre	eativity 20%; 3)
*教材或参考资料(Textbooks & Other Materials)	无				
其它(More)					
备注(Notes)					

备注说明:

- 1. 带*内容为必填项。
- 2. 课程简介字数为 300-500 字;课程大纲以表述清楚教学安排为宜,字数不限。