## 《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	专业实习(食品科学与工程)								
Course	Food seignes and technology practice								
Name)	Food science and technology practice								
课程性质 (Course Type)	专业实践类必修课								
授课对象	食品科学与工程专业 3 年级本科生								
( Target									
Audience)									
授课语言									
(Language of	全英文								
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								
(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		<b>炸山</b> 白 <i>炸</i>	课程网址						
(Instructor)		隋中泉 等	(Course						
		<b>今日</b>	Webpage)	土山か見	14 米 :田 印 :	法大声刑的			
	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,增强感性认								
(Description)	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								
	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。								
	クトがは月	王、久日王、以	471 <del>-</del> 111/ <b>\</b> /1 °						
	Fo	od science and tech	nology professional	practice is	s a compulsor	y course focus			
*)# 1D 65* A	on professional practice. Through the typical enterprise internships and implementing								
	the teaching principles of combining theory and practice, students can understand the								
	organization and management of the enterprise and the production process of typical								
*课程简介	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 pro	mote the students	' comprehensive	application	abilities an	d to develop			

generous, complex, and innovative talents.

## 课程教学大纲(Course Syllabus) 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(A5,B2,B3,B7)。 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(A5,B1,B4,B6,B8,B9,B10)。 \*学习目标 1. By means of extra food factory visits and investigations, enhance the comprehensive (Learning understanding of food expertise and in-depth understanding of the process and Outcomes) equipment characteristics of food production(A5,B2,B3,B7). 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 (A5, B1, B4, B6, B8, B9, B10). 教学内容 教学方式 作业及要求 基本要求 考查方式 肘 1)现场讲解:用 1)果蔬类 饮料产品 食品工艺学理论 研发及应 分析产品的特 1)实习报告; 用、 征、工艺流程及 2)每组至少 2)酸奶类 加工设备的工作 提供 10 张研 产品研发 原理和应用范 发过程这的 及应用、 围,关键控制点 照片; 1)资料收集、 的选择和监控 3)酒精类 1)产品创意、 3)每组至少 2) 市场调研、 饮料产品 等。 形成一种产 3) 关键工艺 2)产品感官 2)产品研发:通 研发及应 \*教学内容 品; 技术参数、 评定、 过市场调研,运 用、 4)产品创意 4) 撰写调查 3)市场前景、 进度安排及要 4)面条类 用食品化学、食 作品(海报) 报告 4)实习报告 品工艺学、食品 产品研发 求 1) Internship 1) Data 1)Product 及应用、 工程原理等基本 report; collection, ideas, (Class Schedule 知识点,进行产 5)烘焙类 48 2) Each group 2) market 2)product 食品产品 品设计, 使得同 & provides at research, sensory 研发及应 学们深入掌握相

least 10

photos of the

R&D process;

3) At least

one product

per group;

4) Product

creative

(poster)

works

关的理论和技

3)报告分析和撰

写:同学们通过

产品研发、调查

和实习报告的分

析与撰写,掌握

相关理论和技

1)Explanation:

Using food tech-

nology theory to

术。

术。

Requirements)

用

1)Develop

ment of

fruit and

vegetable

beverage

products,

2)R&D of

products, 3)R&D of

alcoholic

vogurt

3) key process

technical

4) writing

report

parameters,

investigation

assessment,

3) market

prospects,

reports

4) internship

П	h overes:-		analyses see store			
	beverage		analyze product			
	products,		features,			
	4) R&D of		technological			
	noodle		process, working			
	products,		principle of			
	5) R&D of		processing			
	baked food		equipment,			
	products		selection and			
			monitoring of	1) 实习报告;		
			key control	2)每个工厂		
			points, etc.	至少提供 10		
			2)Product R&D:	张照片,		
			Complete the	3)阐述其关		
			Product design	键控制点,主		
			work through	要工艺设备		
			marketing	和企业管理		
			research and the	等		
			use of basic	1)Internship	1) 听报告,	
			knowledge such	report;	2) 参观学习	
	工厂参观	16	as food	2) Each	1) Listen to	实习报告
	Factory Tour		chemistry, food	factory	the report	Internship
			technology, and	provides at	2) Visiting	report
			food engineering	least 10	tour	
			principles.	photos,	toui	
			Enable students	3) Explains its		
			to master the	key control		
			relevant theories	points,		
			and techniques.	•		
			3) Report	processing		
			analysis and	equipment		
			writing: The	and corporate		
			students	management,		
			mastered related	etc.		
			theories and			
			techniques			
			through the			
			product			
			development,			
			analysis, surveys,			
			and writing			
			internship			
			reports.			

*考核方式 (Grading)	课程考核内容包括: 1)作品成绩 50%; 2)产品创意 20%; 3)实习报告 10%; 4) 小测验 10%; 5)出勤 10% The course assessment includes: 1) Work achievement 50% 2) Product creativity 20%; 3)Internship report 10%; 4) Quiz 10%; 5) Class attendance 10%.
*教材或参考资	т.
料(Textbooks & Other	无
Materials)	
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。