

《果树学》课程教学大纲

课程基本信息 (Course Information)					
课程代码 (Course Code)	PL406	*学时 (Credit Hours)	32	*学分 (Credits)	2
*课程名称 (Course Name)	果树学 Fruit science				
课程性质 (Course Type)	专业选修课 Selective Course				
授课对象 (Target Audience)	植物科学与技术专业本科生 Undergraduate of Plant science and Biology Major				
授课语言 (Language of Instruction)	双语 Bilingual				
*开课院系 (School)	农业与生物学院 School of Agriculture and Biology				
先修课程 (Prerequisite)	植物学, 植物生理学, 土壤与植物营养学 Botany, Plant Physiology, Soil and plant nutrition				
授课教师 (Instructor)	许文平/张才喜 Xu, Wenping/Zhang Caixi	课程网址 (Course Webpage)	无 no		
*课程简介 (Description)	<p>北国雪原, 江南水乡、茫茫高原、千里戈壁, 千变万化的地理差异; 北方的寒冷、南方的炎热、热带的雨林、沙漠的干旱千差万别的气候条件; 高山平原、湖泊河流、森林荒漠, 多种多样的生态条件.....造就了多姿多彩的植物资源, 果树植物就是植物资源中的重要成员, 在人们的生产和生活中占有重要的地位, 本课程是植物科学与技术专业重要选修课程, 重点学习果树学相关知识, 为本科生毕业后从事相关生产、管理、研究工作和深造打下基础。</p>				
*课程简介 (Description)	<p>Different plants are adaptive to the rich and diverse landscapes and climates on the earth, fruit trees are the important component of the plants and occupy an important station in people's life and production. This course introduces the history, culture background, production and using technology, including their origin and distribution; environment and development; nutrition value and pathways of using and so on.</p>				
课程教学大纲 (Course Syllabus)					
*学习目标(Learning Outcomes)	<ol style="list-style-type: none"> 1. 了解并认识果树学基本理论知识 (A5. 2) 2. 了解果树生产的基本流程与生产技术 (A5. 2. 1) 3. 通过课程项目的实践, 培育认识和发现问题能力 (B2) 和解决果树产业发展、生产管理问题的能力 (B8) <ol style="list-style-type: none"> 1. To understand the basic theory of fruit science (A5. 2) 2. To understand the basic process and technology of fruit cultivation(A5. 2. 1) 3. To cultivate the ability to recognize and discover problems (B2) ,problem solving and production management in fruit industry through course practice (B8) 				

	教学内容 Lecture content	学时 Credit Hours	教学方式 Lecture style	作业及要求 Homework and requirement	基本要求 Basic requirement	考查方式 Investigation method
*教学内容 进度安排及要求 (Class Schedule&Requirements)	世界水果产业的现状 Development of world fruit industry	4	课堂教学 Classroom instruction	/	了解我国主栽水果的优势与劣势 Understand the advantages and disadvantages of Chinese fruit industry	课堂交流 Classroom communication
	果树的分类、起源和分布 Classification, origination and distribution	4	课堂教学 Classroom instruction	绘制仁果类、浆果类和柑果类的剖面图，并标明外果皮、中果皮和内果皮位置。 Drawing a section of berry, citrus, kernel and stone fruit	了解我国主栽水果的种类 Understand main fruit of China	试验报告 Test report
	浆果类果树栽培 Cultivation of berry fruit	8	课堂教学 Classroom instruction	/	熟悉葡萄、猕猴桃和草莓等栽培管理 Understand cultivation of grape, kiwifruit and strawberry	课堂交流 Classroom communication
	仁果类果树栽培 Cultivation of kernel fruit	4	课堂教学 Classroom instruction	/	了解梨树、苹果等栽培管理 Understand cultivation of	课堂交流 Classroom communication

					pear and apple	
	核果类栽培 Cultivation of stone fruit	6	课堂教学 Classroom instruction	调查上海地区四种主栽果树的物候期 Investigate four main fruits of Shanghai	了解水蜜桃、樱桃等栽培管理要点 Understand cultivation of Peach and cherry	课堂交流 Classroom communication
	柑橘类栽培 Cultivation of citrus	6	课堂教学 Classroom instruction	/	了解柑橘栽培管理要点 Understand cultivation of citrus	课堂交流 Classroom communication
*考核方式(Grading)	<p>最终成绩由试验报告和作业、课程论文组成。试验报告和作业：40%，主要考核对知识点的掌握程度、概括分析与创造性思维等方面的能力。课程论文：60%。主要考核对果树学基本原理和方法的掌握程度。</p> <p>The evaluation of homework, experiment report and course thesis constitute the final score: homework and experiment report account 40%; course thesis 40%</p>					
*教材或参考资料 (Textbooks & Other Materials)	<p>参考书目：</p> <p>《园艺学各论》，章镇主编，中国农业出版社，2004年7月，ISBN：9787109087958</p> <p>《果树栽培学》(南方本)第四版，陈杰忠 主编，中国农业出版社，2011年6月，ISBN：9787109159310</p> <p>Classroom material: PPT</p> <p>Reference book:</p> <p>Zhang zhen; An individual introduction to Horticulture(Southern version), China Agriculture Press, 2013,7 ISBN: 9787109087958</p> <p>Chen Jiezhong; Fruit Science; China Agriculture Press, 2011,6, ISBN: 9787109087958</p>					
其它 (More)	无					
备注 (Notes)	无					

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。