

Course Information	
Course title	Agriculture of Taiwan
Semester	104-1
Designated for	VARIOUS PROGRAM TAIWAN STUDY PROGRAM
Instructor	MING JU CHEN
Curriculum Number	AniSci5028
Curriculum Identity Number	626 U0330
Class	
Credits	2
Full/Half Yr.	Half
Required/ Elective	Elective
Time	Wednesday 34
Remarks	Restriction: international students The upper limit of the number of students: 40.
Ceiba Web Server	http://ceiba.ntu.edu.tw/1041AniSci5028
Table of Core Capabilities and Curriculum Planning	Table of Core Capabilities and Curriculum Planning
Course Syllabus	
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Course Description	<p>1.INTRODUCTION(MING-JU CHEN/DEPARTMENT OF ANIMAL SCIENCE AND TECHNOLOGY)</p> <p>2.SOIL CHARACTERISTICS, POLLUTION AND REMEDIATION TECHNIQUES IN TAIWAN(ZUENG-SANG CHEN/DEPARTMENT OF AGRICULTURAL CHEMISTRY)</p> <p>3.VEGETATION ECOLOGY AND DIVERSITY OF TAIWAN (KUO-FANG CHUNG/SCHOOL OF FOREST AND RESOURCE CONSERVATION)</p> <p>4.FRUIT PRODUCTION IN TAIWAN(KUO-TAN LI/DEPARTMENT OF HORTICULTURE AND LANDSCAPE ARCHITECTURE)</p> <p>5.CONTROL TECHNIQUES OF IMPORTANT DISEASES OF FRUIT TREES IN TAIWAN(TING-HSUAN HUNG/DEPARTMENT OF PLANT PATHOLOGY AND MICROBIOLOGY)</p> <p>6.CROP BREEDING IN TAIWAN(YANN-RONG LIN/DEPARTMENT OF AGRONOMY)</p> <p>7.TAIWAN FLORAL INDUSTRY AND POSTHARVEST TECHNIQUES (JEN-CHIH CHEN/INSTITUTE OF BIOTECHNOLOGY)</p> <p>8.STATUS QUO OF PEST CONTROL IN TAIWANESE AGRICULTURE (HOW-JING LEE/DEPARTMENT OF ENTOMOLOGY)</p> <p>9.INTRODUCTION OF DOMESTIC LIVESTOCK IN TAIWAN</p>

		(YU-TEN JU/DEPARTMENT OF ANIMAL SCIENCE AND TECHNOLOGY) 10.ANIMAL DISEASE PROTECTION AND QUARANTINE IN TAIWAN(CHIN-CHENG CHOU/SCHOOL OF VETERINARY MEDICINE) 11.APPLICATION OF BIOTECHNOLOGY ON MODERN AGRICULTURE (MEN-CHI CHANG/DEPARTMENT OF AGRONOMY) 12.AGRICULTURAL BIOTECHNOLOGY AND FUNCTIONAL FOODS IN TAIWAN(YI-CHEN LO/INSTITUTE OF FOOD SCIENCE AND TECHNOLOGY) 13.ADVANCED BIOTECHNOLOGIES FOR ANIMAL PRODUCTION AND REPRODUCTION(LI-YING SUNG/INSTITUTE OF BIOTECHNOLOGY) 14.INTRODUCTION TO AGRICULTURAL ENGINEERING IN TAIWAN (MING-CHE HU/DEPARTMENT OF BIOENVIRONMENTAL SYSTEMS ENGINEERING) 15.AGRICULTURAL MECHANIZATION IN TAIWAN(SUMING CHEN,CHUNG-KEE YEH/DEPARTMENT OF BIO-INDUSTRIAL MECHATRONICS ENGINEERING) 16.AGRICULTURAL EXTENSION AND COMMUNICATION IN TAIWAN (HSUI-PING YUEH/DEPARTMENT OF BIO-INDUSTRY COMMUNICATION AND DEVELOPMENT) 17.AGRICULTURAL TRADE LIBERALIZATION AND THE RESPONDING STRATEGY(RHUNG-JIEH WOO/DEPARTMENT OF AGRICULTURAL ECONOMICS) 18.FINAL EXAM												
Course Objective		待補												
Course Requirement														
Office Hours		Appointment required.												
References		待補												
Designated reading		待補												
Grading		<table border="1"> <thead> <tr> <th>No.</th> <th>Item</th> <th>%</th> <th>Explanations for the conditions</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>attendance</td> <td>30%</td> <td></td> </tr> <tr> <td>2.</td> <td>final exam</td> <td>70%</td> <td></td> </tr> </tbody> </table>	No.	Item	%	Explanations for the conditions	1.	attendance	30%		2.	final exam	70%	
No.	Item	%	Explanations for the conditions											
1.	attendance	30%												
2.	final exam	70%												
Progress														
Week	Date	Topic												
Week 1	9/16	ntroduction to Taiwan' s Rural Society 臺灣鄉村社會文化概論 Dr. Ho-Chia Chueh 關河嘉												

Week 2	9/23	Agricultural Trade Liberalization and the Responding Strategy 農產貿易自由化與因應策略 Dr. Rhung-Jieh Woo吳榮杰
Week 3	9/30	Floristic diversity and vegetations of Taiwan 臺灣的植物及植群多樣性 Dr. Kuo-Fang Chung鍾國芳
Week 4	10/07	Soil characteristics, pollution and remediation techniques in Taiwan 臺灣土壤特性、污染與復育技術 Dr. Zueng-Sang Chen陳尊賢
Week 5	10/14	Origin, Domestication and Modern Breeding of Crops 作物之起源, 馴化與現代育種 Dr. Yann-Rong Lin林彥蓉
Week 6	10/21	Fruit Production in Taiwan 臺灣果樹產業 Dr. Iou-Zen Chen 陳右人
Week 7	10/28	Agricultural Mechanization and Automation in Taiwan 臺灣農業的機械化與自動化 Dr. Suming Chen陳世銘; Dr. Chung-Kee Yeh葉仲基
Week 8	11/04	Advanced Biotechnologies for Animal Production and Reproduction 進階動物生物技術應用於未來畜牧產業之發展 Dr. Li-Ying Sung宋麗英
Week 9	11/11	Guided tour to Vet Hospital, Phytotron and CBA' s facilities 獸醫院、人工氣候室與學院設施參觀 Led by Dr. Ming-Ju Chen 陳明汝
Week 10	11/18	Status quo of pest control in Taiwanese agriculture 臺灣農業蟲害防治的現況 Dr. How-Jing Lee李後晶
Week 11	11/25	Challenge of animal diseases prevention in Taiwan. 台灣動物疾病挑戰 Dr. Chin-Cheng Chou周晉澄
Week 12	12/02	Agricultural Biotechnology and Functional Foods in Taiwan 臺灣農業生物科技與保健食品的發展 Dr. Yi-Chen Lo羅翊禎
Week 13	12/09	Introduction to the livestock in Taiwan 臺灣畜養家畜介紹 Dr. Yu-Ten Ju朱有田
Week 14	12/16	Postharvest techniques in Taiwan floral industry 花卉採後保鮮技術於臺灣花卉產業的應用 Dr. Jen-Chih Chen陳仁治
Week 15	12/23	Application of Biotechnology on Modern Agriculture 生物技術於現代農業之應用 Dr. Men-Chi Chang張孟基
Week 16	12/30	Introduction to Environmental system modeling 環境數理模式之介紹 Dr. Ming-Che, Hu 胡明哲
Week 17	1/06	Current status and management of important plant diseases in Taiwan 臺灣重要植物病害之現況與防治 Dr. Chia-Lin Chung鍾嘉綾
Week 18	1/13	Final exam (multiple choices & short answer questions) 期末考週 (選擇題與簡答題)