

Course	Agriculture of Taiwan
Course No.	01ER439
Credits	2 credits
Grade	1 <sup>st</sup> year
Timetable	Spring AB
Instructor	Ming-Ju Chen, Shu-Jen Wang, Zueng-Sang Chen, Cheng-Wei Chen, Hsu-Sheng Lur, Li-Ying Sung, Suming Chen, Yu-Ten Ju, Yi-Chen Lo, Ho-Chia Chueh, How-Jing Lee, Chin-Cheng Chou, Yann-Rong Lin, Ming-Che Hu, Iou-Zen Chen, Chung-Kee Yeh, Jen-Chih Chen, Men-Chi Chang, Chia-Lin Chung
Course Overview	This course focuses on the situation of agriculture in Taiwan, including the issues of soil, vegetation, fruits, diseases, crops, floral industries, livestock, animals, biotechnology, engineering, etc.
Remarks	Conducted in English at National Taiwan University
Course Type	Lecture
Link between Course Objectives and Activities	Students will study food security issues, especially about the issues in agriculture in Taiwan.
Academic Goal	<ul style="list-style-type: none"> <li>- To be able to explain the situation of agriculture in Taiwan</li> <li>- To be able to explain the biotechnologies used in Taiwanese agriculture</li> <li>- To be able to explain food security issues related to agriculture in Taiwan</li> </ul>
Course Schedule	1.INTRODUCTION 2.SOIL CHARACTERISTICS, POLLUTION AND REMEDIATION TECHNIQUES IN TAIWAN 3.VEGETATION ECOLOGY AND DIVERSITY OF TAIWAN 4.FRUIT PRODUCTION IN TAIWAN 5.CONTROL TECHNIQUES OF IMPORTANT DISEASES OF FRUIT TREES IN TAIWAN 6.CROP BREEDING IN TAIWAN 7.TAIWAN FLORAL INDUSTRY AND POSTHARVEST TECHNIQUES 8.STATUS QUO OF PEST CONTROL IN TAIWANESE AGRICULTURE 9.INTRODUCTION OF DOMESTIC LIVESTOCK IN TAIWAN 10.ANIMAL DISEASE PROTECTION AND QUARANTINE IN TAIWAN 11.APPLICATION OF BIOTECHNOLOGY ON MODERN AGRICULTURE 12.AGRICULTURAL BIOTECHNOLOGY AND FUNCTIONAL FOODS IN TAIWAN 13.ADVANCED BIOTECHNOLOGIES FOR ANIMAL PRODUCTION AND REPRODUCTION 14.INTRODUCTION TO AGRICULTURAL ENGINEERING IN TAIWAN 15.AGRICULTURAL MECHANIZATION IN TAIWAN 16.AGRICULTURAL EXTENSION AND COMMUNICATION IN TAIWAN 17.AGRICULTURAL TRADE LIBERALIZATION AND THE RESPONDING STRATEGY 18.Final Discussion
Course Prerequisites and Advisories	
Grading Philosophy (Percentage/ Criteria/ Methodology)	Participation (30%), final exam (70%)
Self-Directed Learning Other Than Coursework	Read materials introduced in class
Textbooks, References and Supplementary Materials	To be introduced in class
Office Hours	Ming-Ju Chen Appointment only

Other (i.e. Expectations on Classroom, Conduct and Decorum etc.)	
Related Courses	
Keywords	Agriculture, Taiwan