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開課班級：博熱農一A

授課老師：李栢淳

學分數：4

課程大綱：

本課程旨在了解全球經濟和農業發展中的趨勢和政策。預計學生將學習糧食安全，婦女在農業中的重要性，供水和稀缺，世貿組織和世界貿易，農業發展中的非關稅壁壘，衛生和植物檢疫法規標準，氣候變化，信息通信技術，生物化學，農業研究和開發的重要性。發展。本課程將進一步討論有關全球農業和經濟發展的主要問題。

outline:

This course is to aim on insight of trend and policy in global economic and agricultural development. The students are expected to learn the importance of food security, women in agriculture, water supply and scarcity, WTO and world trade, non-tariff barriers in agricultural development, sanitary and phytosanitary regulation standards, climate change, ICT, biochemistry, agricultural research and development. Major issues on global agriculture and economic development will be further discussed in the class.

教學型態：

課堂教學

成績考核方式：

平時成績:40%
期中考:30%
期末考:30%
其它:%

本科目教學目標：

1.培育熱帶農業研發管理高階人才。 To provide advanced training on R&D and management in tropical agriculture. 2.養成技術研發與解決問題之獨立思考邏輯。 To incubate the independent logical thinking in technological R&D and problem-solving. 3.研發整合農業生產及管理技術，促成國際合作與發展。 To integrate agricultural productions and management skills, and to facilitate international cooperation and development.

參考書目：

1. Pai Po Lee. (2019). International Agricultural Cooperation, National Taiwan University. 2. Pai Po Lee. (2019). Agricultural Policy and Economic Development, National Pingtung University of Science and Technology.



課程進度表：

週次	起訖月日	授課單元(內容)	備註
第1週	2.21~2.28	Situation and challenge of stable food crop; Guidelines for Designing and Implementing Grain Stock Surveys.	8日正式上課。8~12日課程加退選，轉學(系)生、復學生及延修生選課，雙主修、輔系申請，12日申辦抵免學分截止日
第2週	2.28~3.07	Climate change, Agriculture and Food Security	
第3週	3.07~3.14	The State of Food and Agriculture 2016 Climate Change, Agriculture And Food Security	28日(日)孔子誕辰紀念日/教師節(放假),29日(一)補假
第4週	3.14~3.21	The Food-Population-Environment Trap: Possible Solutions	29日成績優異提前畢業者提出申請截止日
第5週	3.21~3.28	Organic agriculture in the world presentation	6日(一)中秋節(放假)，10日(五)國慶日(放假)
第6週	3.28~4.04	Food Loss and Waste Reduction	14日學生宿舍安全輔導暨複合式防災疏散演練。18日多益測驗
第7週	4.04~4.11	Food Aid and Humanitarian Food Assistance in Emergency-prone Developing Countries	24日(五)補假，25日(六)光復暨古寧頭大捷日(放假)。
第8週	4.11~4.18	Developing Sustainable Food Supply Chains	30日校課程委員會
第9週	4.18~4.25	Integrated Farming System and Sustainable Agriculture for biodiversity	3~9日期中考試
第10週	4.25~5.02	Information Communication Technology (ICT) in Agriculture Connecting Smallholders to Knowledge, Networks, and Institutions: Improving Public Service Provision	13日教務會議,16日教師期中成績上網登錄截止日
第11週	5.02~5.09	Virtual Water Trade and Global Water Scarcit ;	
第12週	5.09~5.16	Microfinance: Impacts and Assessment	24~28體育運動週。24日校園路跑。27日運動大會夜間開幕，28日運動大會活動，29日101週年校慶活動日，照常上班
第13週	5.16~5.23	Big Data Technologies the Future and Opportunities of Agriculture	
第14週	5.23~5.30	World Aquaculture 2015: A Brief Overview	12日申請停修課程截止日
第15週	5.30~6.06	Integrated Farming System and Sustainable Agriculture for biodiversity ;	
第16週	6.06~6.13	Information Communication Technology (ICT) in Agriculture Connecting Smallholders to Knowledge, Networks, and Institutions: Improving Public Service Provision	22日校務會議。25日行憲紀念日(放假)
第17週	6.13~6.20	Forest and Agriculture: Land – Use	1日(四)開國紀念日(放假)



		Challenges and Opportunities ;	
第18週	6.20~6.27	The State of Land And Water Resources For Food And Agriculture : Managing Systems at Risk; The Future of Food and Agriculture: Trends and Challenges.	5~11日期末考試，10~11日學生退宿