

課程名稱:(1121)國際農業發展趨勢特論(8444)_博熱農一A(1121)Special Topics on Development

Trends of International Agriculture(8444) 授課教師:李栢浡

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開課班級: 博熱農一A 學分數:3

課程大綱:

This course will introduce development trends on international agriculture, and its topics include the state of global agriculture, agricultural development, food security and nutrition, climate change, farmland water scarcity and conservancy, agricultural product distribution, smart agriculture, agricultural finance, digital agriculture, farmers' organizations, one health approach, agricultural extension, agricultural science and technology, accession to WTO Impact on Agriculture and countermeasures.

outline:

The United Nation (UN) Sustainable Development Goals (SDGs) are a series of 17 goals for world development that directly or indirectly agricultural focus on end of poverty and hunger, food security and nutrition, sustainable agriculture, management of water, sustainable energy, sustained, inclusive and sustainable economic growth, resilient infrastructure, sustainable consumption and production patterns, climate change and its impacts, oceans, seas and marine resources, terrestrial ecosystems, forests, desertification, land degradation, biodiversity, peaceful and inclusive societies as well as global partnership. In order to achieve the SDGs before the designated 2030 deadline, resource allocation must play a critical role in the organization of global society. This course on agricultural development aims to teach students to understand trends in international agricultural development. The key contemporary issues in international agriculture and development – including food security, food safety, poverty reduction, climate change, greenhouse gas (GHG) emissions, the effects of the financial crisis on agricultural development, food crises and food aid etc. The international agriculture and development highlights two major regional challenges, which are sub-Saharan Africa and South Asia. Agricultural productivity growth is vital for stimulating growth in other parts of the economy, but accelerated growth requires a sharp productivity increase in small holder farming combined with more effective support to the millions coping as subsistence farmers, many of them in remote areas. The success will also depend on concerted action by the international development community to confront the challenges ahead. We must level the playing field in goods, such as technologies for tropical food staples; help developing countries address climate change; and overcome looming health pandemics for plants, animals, and humans.

教學型態: 成績考核方式:

課堂教學+小組討論 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.

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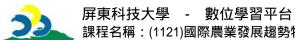
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參考書目:

1. Pai Po Lee (2022), Development Trends of International Agriculture, National Pingtung University of Science and Technology. 2. Pai Po Lee (2022), Agricultural Policy and Economic Development, National Pingtung University of Science and Technology.

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課程進度表:

課程進度 ² 週次	起訖月日		備註
第1週	9.11~9.18	Food Outlook	19日正式上課。19~23日加退
			選,復(轉)學生及延修生選課
			,雙主修、輔系申請,23日
			申辦抵免學分截止日
第2週	9.18~9.25	The State of Food Security and Nutrition in	28日和平紀念日(放假)
		the World: Food Security and Nutrition ;;;;;;;	,
		Around the World	
第3週	9.25~10.02	Climate change, Agriculture and Food Security	
第4週	10.02~10.09	;Trade and Food Security: A Better Balance	11日成績優異提前畢業者提
		between National Priorities	出申請截止日,14日第1次校
			教評會
第5週	10.09~10.16	Organic agriculture in the world presentation	
第6週	10.16~10.23	Food Aid and Humanitarian Food Assistance	
		in Emergency-prone Developing Countries	
第7週	10.23~10.30	The State of Agriculture Commodity Market:	3日(三)校慶補假(112年11月2
		Trade and Food Security Achievement- A	5(六)日校慶活動日)。4日(四)
		;;;;;;;; better Balance between National	兒童節、民族掃墓節(放假),
		Priorities and The Collective Goal	5日(五)民族掃墓節補假
第8週	10.30~11.06	Midterm Exam Week	10日校課程委員會。11日第2
			次校教評會
第9週	11.06~11.13	Developing Sustainable Food Value Chain	15~21日期中考試
		Virtual Water Trade and Securing Water for	
佐るい田	44.40.44.00	Food	
第10週	11.13~11.20	Microfinance: Impacts and Assessment Big	22~26日學士班申請轉系,27~
		Data Technologies the Future and	28日四技二專統一入學測驗,
		Opportunities of Agriculture	28日教師期中成績上網登錄 截止日
第11週	11.20~11.27	Impacts of climate change on fisheries and	世
为口煙	11.20~11.21	aquaculture: Synthesis of current knowledge,	
		adaptation and mitigation options	
第12週	11.27~12.04		 11日多益測驗(暫定)
7312/2	11.27 12.01	Agriculture for biodiversity	
第13週	12.04~12.11	Information Communication Technology	16日第3次校教評會。19日博
7,5 1 5,2		(ICT) in Agriculture Connecting Smallholders	士班招生(暫定)
		to Knowledge, Networks, and Institutions:	
		Improving Public Service Provision	
第14週	12.11~12.18	The State of Land And Water Resources For	20
		Food And Agriculture; : Managing Systems at	~24日體育運動週,22日水上
		Risk	運動會(暫定),24日申請停修
			課程截止
第15週	12.18~12.25	Biodiversity for Sustainable Agriculture	27~
			31日藥物濫用防制宣導週

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第16週	12.25~1.01	Future of Food; Maximizing Finance for	3日校務會議。3~9日畢業班(
		Development in Agricultural Value Chains	學士)期末考試。
第17週	1.01~1.08	The Future of Food and Agriculture: Trends	10日端午節(放假),12日畢業
		and Challenges	班授課教師送交學期成績截
			止
第18週	1.08~1.15	Final Exam Week	17~23日期末考試

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