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開課班級：博熱農一A

授課老師：李栢淳

學分數：3

課程大綱：

本課程將介紹農業政策和經濟,其主題包括經濟政策、農業發展、當前農業問題與政策、農地政策、農田水利政策、農產運銷、農業金融、農民組織、農業推廣、農業科技、加入WTO對農業之影響及其因應對策

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:

課堂教學+小組討論

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:



課程進度表：

週次	起訖月日	授課單元(內容)	備註
第1週	9.12~9.19	Introduction of Class	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	9.19~9.26	Chapter 1 the State of Food and Agriculture 2021 Making Agrifood Systems More Resilient to Shocks and Stresses	28日和平紀念日(放假)
第3週	9.26~10.03	Chapter 2 The State of the World ' S Forests 2022 Forest Pathways for Green Recovery and Building Inclusive, Resilient and Sustainable Economies Chapter 3 The State of the World ' S Land and Water Resources for Food and Agriculture 2021 Systems at Breaking Point ;	
第4週	10.03~10.10	Chapter 4 The impact of disasters and crises Chapter 5 Assessment of Agricultural Plastics and Their Sustainability A Call for Action	11日成績優異提前畢業者提出申請截止日,14日第1次校教評會
第5週	10.10~10.17	;Covid-19: from A Global Health Crisis to A Global Food Crisis Chapter 6 Food Outlook 2021	
第6週	10.17~10.24	Chapter 7 The Relationship between Food Insecurity and Dietary Outcomes Chapter 8 Measuring Progress towards Sustainable Agriculture	
第7週	10.24~10.31	Chapter 9 The Aqua Crop model enhancing crop water productivity Chapter 10 The Digitalisation of Agriculture A Literature Review and Emerging Policy Issues	3日(三)校慶補假(112年11月25(六)日校慶活動日)。4日(四)兒童節、民族掃墓節(放假)，5日(五)民族掃墓節補假
第8週	10.31~11.07	Chapter 11 Agricultural Trade & Policy Responses During the First Wave of the Covid-19 Pandemic in 2020 Chapter 12 Sustainable Management of Freshwater Resources for Food Security and Nutrition in Small Island Developing States	10日校課程委員會。11日第2次校教評會
第9週	11.07~11.14	Chapter 13 FRUIT AND VEGETABLES Opportunities and challenges for small-scale sustainable farming	15~21日期中考試
第10週	11.14~11.21	校慶運動會;停課	22~26日學士班申請轉系,27~28日四技二專統一入學測驗,28日教師期中成績上網登錄截止日
第11週	11.21~11.28	Chapter 14 Impact tokenization and	



		innovative financial models for responsible agrifood supply chains	
第12週	11.28~12.05	Chapter 15 Crop Prospects Food Situation Chapter 16 How to feed the world in times of pandemics and climate change Opportunities for innovation in livestock systems	11日多益測驗(暫定)
第13週	12.05~12.12	Chapter 17 Making Climate-Sensitive Investments in Agriculture Approaches, Tools and Selected Experiences Chapter 18 Renewable energy for agri-food systems Towards the Sustainable Development Goals and the Paris Agreement	16日第3次校教評會。19日博士班招生(暫定)
第14週	12.12~12.19	Chapter 19 Youth-sensitive value chain analysis and development Guidelines for practitioners Chapter 20 World Aquaculture 2020 A Brief Overview	20 ~24日體育運動週，22日水上運動會(暫定),24日申請停修課程截止
第15週	12.19~12.26	Chapter21 Forest Products in The Global Bioeconomy Enabling substitution by wood-based products and contributing to the Sustainable Development Goals	27~ 31日藥物濫用防制宣導週
第16週	12.26~1.02	Chapter 22 Commodity Markets Outlook The Impact of the War in Ukraine on Commodity Markets	3日校務會議。3~9日畢業班(學士)期末考試。
第17週	1.02~1.09	Chapter23 The State of World Fisheries and Aquaculture 2022	10日端午節(放假)，12日畢業班授課教師送交學期成績截止
第18週	1.09~1.16	Final Discussion	17~23日期末考試