

Course number		U-LAS61 10013 LE78					
Course title (and course title in English)		Introduction to Food Sustainability-E2 Introduction to Food Sustainability-E2		Instructor's name, job title, and department of affiliation		Graduate School of Agriculture Associate Professor,HSIANG Tzu-Fan	
Group	Interdisciplinary Sciences		Field(Classification)		Environmental Sciences		
Language of instruction	English		Old group		Number of credits	2	
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters	2025 • Second semester	
Days and periods	Thu.2		Target year	Mainly 1st & 2nd year students	Eligible students	For all majors	
[Overview and purpose of the course]							
In this course an interdisciplinary, systems approach is taken to broaden the understanding of concepts, stakeholder perspectives and the complexity of food systems sustainability beyond their own chosen discipline. To achieve this, course work, case studies around the world, as well as group activities, will be undertaken to foster knowledge exchange and communication between the participants.							
[Course objectives]							
Upon successful completion of this course, students will: 1. Analyze key challenges in sustainable food systems from environmental, economic, and social perspectives. 2. Apply critical thinking skills to evaluate the impact of food production, consumption, and policy. 3. Develop effective communication and collaboration skills to engage in discussions on food security and sustainability.							
[Course schedule and contents)]							
Class Schedule 1. Introduction to Food Sustainability 2. Principles of Sustainability in Food Systems 3. Managing Shared Resources in Agriculture 4. Population Growth, Urbanization, and Food Demand 5. Economic Development and Changing Diets 6. Food Security and Global Disparities 7. Climate Change and Agriculture 8. Biodiversity and Sustainable Food Systems 9. Water Resources and Food Production 10. Energy Use in Food Systems 11. Soil Health, Fertilization, and Sustainable Farming 12. Land Use, Agricultural Expansion, and Conservation 13. Food Waste and Environmental Impact 14. Future Trends in Food Sustainability: Biotechnology , and biofuels 15. Course Review and Feedback							
Continue to Introduction to Food Sustainability-E2(2)↓↓↓							

Introduction to Food Sustainability-E2(2)

[Course requirements]

None

[Evaluation methods and policy]

Grading: Active participation and listening quizzes (20%), weekly writing exercises based on assigned pre-class reading materials (30%), mid-term essay (30%), and an in-class group presentation (20%).

[Textbooks]

Not used

[References, etc.]

(References, etc.)

Handouts and supplemental readings will be distributed electronically and/or as a hard copy in class

[Study outside of class (preparation and review)]

Students should read or listen to the required pre-class materials and submit any required assignment before the class, and come to class ready to participate in class activities. Typically, this will entail listening to a short video or podcast (10 min. or less), as well as reading a 2 or 3 page handout and be prepared to write answers to 1 or 2 questions about the reading material in the following class (15 to 20 minutes provided in class).

[Other information (office hours, etc.)]

Open door policy during office hours, and anytime by email.