

科目ナンバリング		U-LAS61 10013 LE78							
授業科目名 <英訳>		Introduction to Food Sustainability-E2 Introduction to Food Sustainability-E2			担当者所属 職名・氏名		農学研究科 准教授 HSIANG Tzu-Fan		
群	統合科学科目群			分野(分類)	環境			使用言語	英語
旧群		単位数	2単位	週コマ数	1コマ	授業形態	講義（対面授業科目）		
開講年度・ 開講期	2025・後期		曜時限	木2		配当学年	主として1・2回生	対象学生	全学向
[授業の概要・目的]									
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.									
[到達目標]									
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.									
[授業計画と内容]									
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									
[履修要件]									
特になし									
[成績評価の方法・観点]									
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%).									
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## Introduction to Food Sustainability-E2(2)

### **[教科書]**

使用しない

### **[参考書等]**

( 参考書 )

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

### **[授業外学修 ( 予習・復習 ) 等]**

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).

### **[その他 ( オフィスアワー等 ) ]**

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