

Module Code	21349023	Course Term
Course Subject Name	<p align="center">Special Lecture on Advanced Topics of Agriculture 3</p> <p align="center">Food safety in a globalized world</p>	<p align="center">Autumn Semester</p>
Course Tutor	H.Kobayashi	
Credit	2	Taught Day
Schools	School of Agriculture	<p align="center">FRI-5</p>
Taught Year		
Campus	Ito campus	<p align="center">Friday, 5th period (16:40-18:10)</p>
Subject Area	Specialized Courses	
Course Subject Classification	Common Basic Subject	
Course Requirements	Class attendance, 20-min Presentation, and 3000-words report	
Course Requirement (Pre-requisite)	Basic knowledge in microbiology	
Course Outline		
The course provides an introduction to the fundamental principles of food safety.		
key words		
Food safety, Risk analysis, Case study, food poisoning bacteria		
Study Objectives		
(General)		
To gain a deeper understanding of food safety from scientific and political approach through food poisoning cases.		
(Specific)		
<ol style="list-style-type: none"> Students can learn the nature of foodborne pathogens. Students can learn the detection methods for foodborne pathogens. Students can learn modern food safety policies in the world. Students can learn food safety issues in the world. 		
Course Plan (Tentative)		
<ol style="list-style-type: none"> Course overview; food safety and food security and 3. Agencies related food safety in Japan, US, EU, UN and China Basic bacteriology and molecular biology Eating raw meat, and its risk <i>Risk of eating ready-to-eat salads</i> Importance of rapid bacterial identification On-farm food safety Chinese food safety scandals Emergence of drug-resistant pathogens Detection methods of bacteria, traditional techniques and modern technology Food preservation techniques Hazard analysis and critical control point (HACCP) and 15. Students presentation, Course review 		
Course Approaches		
Textbooks	Handouts will be provided in every lecture.	
Reference Books		
Study consultation (office hour)	E-mail; kobayashih@fwu.ac.jp	
Exams/Results	Attendance, presentation, and reports	
Evaluation Method		
Others		