

Course	Advanced Course on Global Food Security
Course No.	01ER236
Credits	2 Credits
Grade	1 <sup>st</sup> Year
Timetable	Fall AB by appointment
Instructor	Yuichi Yamaoka
Course Overview	This course focus on Food security researches among the topics of Food and Health. Food security research has to be accelerated against global food crisis, which is going to be serious issue in near future. We provide advanced research topics and cutting-edge techniques for global food security research. Supervisor of each student will provide advanced research topics of specific research field related to the global food security. Students will be evaluated by report and review.
Remarks	Conducted in English.
Course Type	Lectures
Link between Course Objectives and Activities	Students will learn advanced research topics and cutting-edge techniques for global food security.
Academic Goal	Understanding current status, problems and solutions for food security
Course Schedule	Week 1: Topics Choice Week 2- 10: Lectures and discussions on the advanced research topics of specific research field related to the global food security. The following is the examples of topics we focus on in this course. - Plant molecular breeding - Molecular genetics and breeding - Plant physiology - Plant parasitic mycology - Mycorrhizal fungi
Course Prerequisites and Advisories	
Grading Philosophy (Percentage/ Criteria/ Methodology)	Report (60%) and review (40%). Grading Criteria is A+ (Superior), A (Excellent), B (Good), C (Average) and D (Failure).
Self-Directed Learning Other Than Coursework	Complete reports as assigned
Textbooks, References and Supplementary Materials	To be announced
Office Hours	Name: Yuichi Yamaoka E-mail: yamaoka.yuichi.gp@u.tsukuba.ac.jp By appointment only
Other (i.e. Expectations on Classroom, Conduct and Decorum etc.)	
Related Courses	
Keywords	Agro-Biomedicine, Food Security