

TENKAI ONLINE COURSE 2024

Knowledge about Japan Agriculture and advanced technologies in Agriculture and Nutrition for Food and Nutrition Improvement in Africa

The objective of this online course is to foster the next generation leaders capable of contributing to the improvement of food and nutrition in Africa.

Food security and availability, alongside the nutritional value of agricultural produces, is a prerequisite to the health of a fast-growing young African population. Where population is growing and urbanized, the need for food supply becomes an urgent matter to solve while ensuring that consumers have full understanding and access to the information regarding the nutritional value of their foods. In this regard, technology can play a crucial role in providing the right and accurate information to both the growers and the consumers.

An insight on other agricultural systems is an opportunity for the Africa future leaders in the fields of agriculture, environment and nutrition. Japan agriculture being considered as advanced, examples of the agricultural system in Japan will fully provide such insights.

The content of this course will include identifying (with the African students of Sokoine University of Agriculture (SUA, Tanzania) and Jomo Kenyatta University of Agriculture and Technology (JKUAT, Kenya)) some of the constraints to food and nutrition in Africa, suggest possible solutions, introduce the use of information and communications technology (ICT) for improving food and nutrition in Africa, and to introduce the changes in Japan agriculture.

The course will be made of students group discussions and practical and theoretical lectures both online and in-person. About 42 participants are expected to join this course. Certificate of completion from Tokyo University of Agriculture will be awarded to those who successfully complete the course.

Number of participants (42)

- ◇ Tokyo NODAI [2 Visiting Students from SUA]
- ◇ SUA: 20
- ◇ JKUAT: 20

COURSE SCHEDULE (tentatively); East Africa Time

Date	Activities		Person in charge	Report
November 24 (Friday) Time: 10:30~12:00	Orientation and Guidance (ALL participants)	Zoom Meeting	Prof. Dr. Rie MIYAURA, Prof. Azumi HIDA Dr. Megumi SHIO, Fredrick	No
Dec.4 (Monday)	Lecture 1. Bioresources and agricultural changes and environment of Japan agriculture	On-demand lecture	Prof. Dr. Rie MIYAURA	Yes (by Dec. 25)
Dec 7-8	Divide into 4 groups 2 Food groups (@ 11 students) 2 Nutrition groups (@ 10 students) <u>Group Assignment</u> **Identify one common problem related to Food (2 groups) / Nutrition (2 groups) in your communities, suggest possible innovative action or solutions to be taken**	Receive your assigned group by mail	Dr. Megumi SHIO Fredrick	Create means of communication for your group and start brainstorming the ideas
Dec.11 (Monday)	Lecture 2. Usage of ICTs in food and nutrition improvement in Africa	Hybrid from JKUAT	Dr. Morimoto Yusuyuki et al. (Bioversity, Kenya)	Yes (by Jan.11)
Jan.12(Fri) Time: 10:00~11:30	Tenkai Workshop (Group Discussions on the Identified problem above)	Online (zoom breakout sessions)	Group leaders, Dr. Megumi SHIO, Fredrick	No
Jan.26(Fri.)	Lecture 3. The effect of dietary habit on health	On-demand lecture	Prof. Azumi HIDA	Yes (by Feb. 15)
February 5-28	Reflect the lecture 1, 2&3 in your ideas discussed during the Workshop Prepare lecture 3 report, Prepare simple group presentation	Individual and group preparation	Group Leaders	Reminder: Submit lecture 3 report
Mar.4(Mon.) Time: 10:00~11:30	@Group simple Presentation and General Discussion (Exchange students currently studying at Tokyo NODAI will attend)	Zoom Meeting	All Lecturers, Dr. Shio, Fredrick	No

(*) "Report" refers to the reports all students will submit after each lecture.

NOTE: All participants are required to attend the Orientation and Guidance on November 24.