科目ナンバリング	U-LAS14 20069 LE68						
授業科目名<英訳>	Food Science-E2 Food Science-E2			担当者所属職名・氏名	農学研究科　准教授 YASIR SERAG ALNOR MOHAMMED SERAG ALNOR		
群	自然科学科目群			分野(分類)	生物学(各論)	使用言語	英語
旧群	B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	2026・後期	曜時限	水2	配当学年	主として1・2回生	対象学生	理系向

[授業の概要・目的]

This course will introduce the basics of food science. We will discuss the definition of food, its constituents, and their functions, and the relationship between food science and other disciplines. We will also highlight the basic principles of food preservation in relation to processing techniques and quality control procedures. This course will also discuss the world food crises and sustainable food production.

[到達目標]

1. Gain a better understanding of food science and human nutrition and communicate effectively with others in the field.
2. Understand the relationship between food science and other disciplines.
3. Students will also become familiar with the global food concerns.

[授業計画と内容]

The following topics will be covered during the 14 weeks of the semester. Week 15 is an exam session and feedback class is given at week 16.

Main topics
1. Science of Food and Why Food Science?
2. Composition and nutrition value of food
3. Food and microbes
4. Food safety
5. Food quality
6. Food processing methods
8. Some aspects of food handling
9. Food science and other sciences
10. Global food crises
11. Sustainable food production

[履修要件]

English proficiency sufficient for understanding lectures, reading articles and texts, and participating in class discussions. A knowledge of high school biology and chemistry is also required.

[成績評価の方法・観点]

Grading: Class attendance and active participation (20%), assignment and quizzes (30%), and final exam (50%).

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Food Science-E2(2)

[教科書]

未定
Introduced during class

[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.

[その他（オフィスアワー等）]

No fixed office hours. Students are requested to make appointments directly or by email.

[主要授業科目（学部・学科名）]