科目ナンバリング U-LAS14 10009 LE68												
授業科目名 <英訳> Introduction to Plant Science-E2 Introduction to Plant Science-E2 担当者所属 職名・氏名 理学研究科 准教授 TAKENAKA,										JAKA , Mizuki		
群	自然科	然科学科目群 分野 <b>(</b> 分類)		生物学(				使用言語 ቓ		英語		
旧群	B群	単位数	2単位	週コマ数	172	ł	受業預	形態 誹	冓義	義(対面授業		·目)
開講年度・ 開講期	2025 ·	後期	曜時限	<b>金</b> 2		配当的	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 lecture series, the basics of the survival strategy of plants will be learned at the cellular and molecular level. Despite that the achievement of plant science are very frequently described in high school textbooks, university students have very few opportunities to study them unless they specifically learn plant physiology. In this classes, the contents of plant science, which are mentioned only widely and shallowly at high school level will be provided more deeply with the latest knowledge.												
[到達目標]												
To understand the fundamentals of plant physiology To understand how plants use light-energy. To understand the signal transduction in plants. To understand the basics of plant development and reproduction												
[授業計画と内容]												
13)Plant 14)Biotic 15)A fina	e structu n plants l Nutritio ynthesis ll transduc ogenesis ormancy ative gro tr control tophytes senescen and Abi l written	tion germinat wth and lling pollination iotic inter	ion and se organoger on , seeds ell death action	eedling								
-	se is ope			BUT it is recon	nmended	that stu	ıdent	s have a	t lea	st a high s	schoo	ol "basic

## Introduction to Plant Science-E2(2)

[成績評価の方法・観点]

Class attendance and active participation (20%), weekly small tests (30%) an oral exam (25%) and a final written exam (25%)

[教科書]

Lincoln Taiz et al. Plant Physiology and Development, Sixth Edition (Sinauer) ISBN:9781605353531

[参考書等]

(参考書)

Summary of the lecture contents will be provided at the class.

[授業外学修(予習・復習)等]

Reading the textbook before the lecture will help the students to understand the lecture. Students should review the textbook after the lecture.

[その他(オフィスアワー等)]

Contact: mizuki.takenaka@pmg.bot.kyoto-u.ac.jp

Any questions and requests are welcome by prior arrangements via E-mail.

[主要授業科目 (学部・学科名)]