

[前画面へ戻る](#)

学部・大学院区分 Undergraduate / Graduate	農学部
時間割コード Registration Code	0909130
科目区分 Course Category	専門科目 Specialized Courses
科目名 【日本語】 Course Title	植物生理学
科目名 【英語】 Course Title	Plant Physiology
コースナンバリングコード Course Numbering Code	
担当教員 【日本語】 Instructor	CARTAGENA Joyce Abad ○
担当教員 【英語】 Instructor	CARTAGENA Joyce Abad ○
単位数 Credits	2
開講期・開講時間帯 Term / Day / Period	春 水曜日 2時限 Spring Wed 2
対象学年 Year	3年 3
授業形態 Course style	講義 Lecture

授業の目的 【日本語】 Goals of the Course(JPN)	
授業の目的 【英語】 Goals of the Course	This course will introduce the basic concepts of plant physiology, with special emphasis on agricultural crops.
到達目標 【日本語】 Objectives of the Course(JPN)	
到達目標【英語】 Objectives of the Course	The objective of this course is to provide the students with the basic understanding on how plants carry out metabolic processes during growth and development. Furthermore, the mechanisms of how plants respond to changes in the environment will be discussed.
授業の内容や構成 Course Content / Plan	Topics to be covered: 1. Water and Plant Cells 2. Water Balance of Plants 3. Mineral Nutrition 4. Solute Transport 5. Photosynthesis: Physiological and Ecological Considerations 6. Signals and Signal Transduction 7. Biotic Interactions 8. Abiotic Stress
履修条件・関連する科目 Course Prerequisites and Related Courses	Fundamentals of Biology 1 and 2 or equivalent
成績評価の方法と基準 Course Evaluation Method and Criteria	In-class participation (25%), Presentation (25%), Examinations (50%)
教科書・テキスト Textbook	Plant Physiology and Development: International 6th Edition by L. Taiz, E. Zeiger, I.M. Møller and A. Murphy, Oxford University Press Inc. USA, 2018
参考書 Reference Book	None
課外学習等 (授業時間外学習の指示) Study Load(Self-directed Learning Outside Course Hours)	No homework will be assigned to students. However, students will give an oral presentation as one of the requirements of the course.
使用言語 Language Used in the Course	English
授業開講形態等 Lecture format, etc.	Online via Zoom (face-to-face classes will also be considered)
遠隔授業（オンデマンド型）で行う場合の追加措置 Additional measures for remote class (on-demand class)	All announcements about the online lectures will be posted on NUCT.

[前画面へ戻る](#)