

Course Title	Advanced Crop Science		
Instructor	Youji NITTA, Naomi ASAGI		
Code	MA050500	Semester	1st (April-)
Credit(s)	1	Day/Period	Fri, 2
Description Code	A-ABS-532		
Outline	This course deals with morphological and anatomical features of rice plant, relations among rice growth, yield and quality. It also introduce techniques of crop cultivation with organic matter and non-tillage, and so on.		
Keywords	Rice, organ, tissue, cell, grain quality, yield, direct seeding, organic matter, tillage		
Goals	The goals of this course are to (a) be able to explain and apply crop production and science, (b) be able to explain morphology and anatomy of rice plant, (c) be able to analyze yield and grain quality, and (d) be able to understand advantages and disadvantages of crop cultivation techniques.		
Course Plan	1. Guidance, general morphological feature of rice plant (Nitta) 2. Morphology of organ, tissue, and cell of rice plant (Nitta) 3. Quality of rice grain (Nitta) 4. Transplanting and rooting of rice plant (Nitta) 5. Plant growth and yield in rice (Asagi) 6. Rice cultivation with direct seeding (Asagi) 7. Crop cultivation with organic matter (Asagi) 8. Crop cultivation with non-tillage (Asagi) Elements of Diploma Policy: 1. Academic and research skills in the specialized field 3. International communication skills		
Advice for Preview and Review	In review, to describe outline of each subject on your notebook helps better understanding. Scientific Journals (paper journals, electric journals), databases (CiNii, etc.) of University library are available for reviewing and writing reports.		
Prerequisite	Office Hours: Weekdays 16:00-17:00 (Nitta), Fridays 12:00-13:00 (Asagi)		
Grading Criteria	Based on report on assigned subjects.		
Texts/References	Handouts are distributed. Specific references are also introduced in each subject.		