

Course Title	Advanced Agro-informatics		
Instructor	Tsuguki KINOSHITA, Yuji MASUTOMI		
Code	MA053300	Semester	1st (April-)
Credit(s)	1	Day/Period	Fri, 5
Description Code	A-AGE-522		
Outline	In this class, reading the text on the introduction of crop modelling: "Modelling Potential Crop Growth Processes" written by Goudriaan and van Laar, we learn the basic theory on crop modelling and agricultural meteorology.		
Keywords	Crop modelling, agricultural meteorology		
Goals	(1) have an ability to model and run crop models (2) have the knowledge on agricultural meteorology Diploma Policy: 1, Academic and research skills in the specialized field		
Course Plan	Course Plan (1):Introduction (2):The main seasonal growth pattern1 (3):The main seasonal growth pattern2 (4):Climatic factors1 (5):Climatic factors2 (6):Assimilate flow and respiration1 (7):Assimilate flow and respiration2 (8):Development and growth		
Advice for Preview and Review	Before the class, you should read the text. After the class, you should write program and run it.		
Prerequisite	You should have programing skill.		
Grading Criteria	Reports		
Texts/References	"Modelling Potential Crop Growth Processes" J. Goudriaan and H.H. van Laar, Kluwer Academic Publishers, 30267 Yen (inc. tax)		