Subject	Current topics of Agricultural Plant Science(先端植物生命科学)	Day/Period	1 st quarter Wed./3 rd ~4 th	Object	AMB/JYPE
Instructor (Post)	Y. Kanayama (Prof.) et al.	Categories	Specialized Subjects	Preferable Participants	3rd & 4th-year & AMB students
			Credits	2	
Position	Position Faculty of Agriculture (Graduate School of Agricultural Science)			Semester	7 and 9
Subject Numbering	ABS-PLA358E			Language Used in Course	English
1. Class s Professo plant science 2. Object The purp plant pathol biotechnoloc 3. Keywo Crop, Pla 4. Goal or The goal and to have applied plan 5. Conten Each wee 1) Intr Horticulta 2) Croc 3) Croc 4) Plan 5) Plan 6) Plan 7) Plan 8) Soi Makino) 9) App 10) Env 11) Env	ubject rs and associate professors in Course ce. and summary of class ose of this class is to enhance students' logy, plant breeding and genetics, insect ogy, environmental crop science and ford ords ant, Soil, Insect, Microorganisms. f study of this course is for students to understa great interests in our studies on plant pr nt science. Students will want to study in ts and progress schedule of class k there will be lectures and discussions of roduction (Prof. Kanayama) ural science: Functional properties of fruit op science-1: Climate change impact on c op science-2: Crop physiology and produc nt pathology-1: Virus infection and plant nt breeding and genetics-1: Nanohana-Pre- nt breeding and genetics-2: Molecular me l science: Soil science on the risk alleviati plied Entomology (Prof. Hori) vironmental plant biotechnology-1: Introd vironmental plant biotechnology-2: Genet	interests on c science and est ecology. and and broad roduction scien n our course of f the following and vegetable rop production tion (Assoc. P immune syste s and plant im oject (Prof. Ki chanism of se ion methods for uction of genetic	rop science, hort bioregulation, er len the knowledgence, environme of Graduate Scho g topics: e crops (Assoc. P n (Prof. Homma) rof. Kameoka) m (Prof. Homma) in (Prof. Takahas munity (Assoc. I itashiba) lf-incompatibility or heavy metal co etically modified c engineering of p	Course current topics cicultural scient wironmental ge of agricult ntal plant bio bol of Agricult rof. Kato) whi) Prof. Ando) v (Assoc. Profontamination i plants (Prof. 7 plants (Assoc.	s of agricultural nce, soil science, plant ural plant science, technology, and ltural Science. 2: Yamamoto) n soil and rice (Prof. Foriyama)
13) Env Prof. Tajima		roots in crop j	production and er		impacts (Assoc.
	est ecology-1: Forest molecular ecology (est ecology-2: Forest microbial ecology (.				
6. Prepara Briefly ur	ation nderstand each field on the website below.	,			
Attendan	l end evaluation method lee (30%), class participation (30%), and	d report (40%).		
http://ww	ok and references w.agri.tohoku.ac.jp/en/about/organization	/faculty/index	.html		
detail, ask e	e above website in detail and understand t ach faculty for reference books.	he contents of	research in each	field. If you v	vant to study in more
E-mail: y	lition Prof. Yoshinori Kanayama oshinori.kanayama.a7@tohoku.ac.jp oom E306				