

Module Code	19849028	Course Term
Course Subject Name	<b>Plant protection and pest management</b>	<b>Spring</b> The Sixth Semester
Course Tutor	<b>Takatoshi Ueno</b>	
Credit	1	Taught Day
Schools	School of Agriculture	<b>FRI-2</b>
Taught Year	The 3rd year	
Campus	Ito	Friday, the 2nd period (10:30-12:00)
Subject Area	Lecture	
Course Subject Classification	Specialized Subjects	
Course Requirements	None	
Course Requirement (Pre-requisite)	None	
<b>Course Outline</b>		
In this course, students will learn basics and application of plant protection to establish effective ways of pest control, mainly focusing on plant pathology and harmful insect ecology.		
<b>key words</b>		
plant pathology, protection, pest		
<b>Study Objectives (General)</b>		
Students will understand interaction of plants with pathogenic microbes and pest insects, and gain the knowledge to manage plant protection and pest control.		
<b>Study Objectives (Specific)</b>		
A.Students will develop understanding of plant pathology and pest control B.Students will develop skills in critical thinking and research design		
<b>Course Plan</b>		
1.Guidance 2.Infectious diseases of insects 3.Pest control utilizing pathogenic microbes for insects 4.Biodefense mechanism of plants against pathogenic microbes. 5.Pathology of plant pathogenic microbes. 6.Systematic taxonomy of insects 7.Taxonomy of pests 8.Taxonomy of insects applicable as natural enemies for pest control 9.Population dynamics of pest and natural enemy insects 10.Behavior and function of natural enemy insects 11.Integrated management of pest		
<b>Course Approaches</b>	Experiments, Field work, and discussion	
<b>Textbooks</b>	None	
<b>Reference Books</b>		
<b>Study consultation (office hour)</b>	Office Hours: By email or appointment Email: ueno@grt.kyushu-u.ac.jp	
<b>Exams/Results</b>	1.Participation in the classes (50%)	
<b>Evaluation Method</b>	2.Final report or examination (50%)	
<b>Others</b>		