Plant Pest Forcasting		
Obligatory module or	Plant Pest Forecasting	PNH 4129
Selective module		
Semester	Odd semester	
Module level	Undergraduate	
Module	Prof. Ir. Y. Andi Trisyono, M.Sc., Ph.D.	
Coordinator		
Lecturer(s)	Prof. Ir. Y. Andi Trisyono, M.Sc., Ph.D. Dr. Suputa, S.P., M.P.	
Type of Module	1 hour and 40 minutes lecture	
	Practical	
Status	E (elective courses)	
Exam	Written	
Number of		
participants		
Credit Points:	2/1 (5.02 ECTS)	
Description:	This course consists of six major topics: 1) external and	d internal
	factors governing the life table and population dynamics; 2) k analysis; 3) data collection methods; 4) learning and revie existing model; 5) development of models for forecasting decision making process and management.	wing the
Academic goal (competency):	Students are able to identy main internal and external fac contribute in determining the population of insect pests, learn a how the existing models were developed, and have ideas or forecasting model of a certain insect pest should be based on.	nd review how the
Course outcome	es:	
CO1= Able to identy main internal and external factors that contribute in determining the population of insect pests		
CO2= Able to learn and review how the existing models were developed		
CO3=Able to imagine about how the forecasting model of a certain insect pest		
Contents:		
Introduction: course content, life table and population dynamics		
• Examining internal and external factors governing the population of insect pests		
Examining internal and external factors governing the population of insect pests		
Key factor analysis		
Sampling techniques		
Data collections: GIS, drones etc		
Data collections: GIS, drones etc		
Learning and reviewing the existing models		
Learning and reviewing the existing models		
Learning a	and reviewing the existing models	

- Student project: Identifying the key factors for developing model for forcasting of a certain insect pest
- Student project: Identifying the key factors for developing model for forcasting of a certain insect pest
- Student project: Identifying the key factors for developing model for forcasting of a certain insect pest
- Decision making process and management

Which previous course required? Plant Protection,

Literature:

Materials provided: Slide presentation/power point

Requirements for exam:75% attendance

Teaching Lectures, Discussion, Presentations/Assignments

method(s) Workload (hrs).

- 1. Theoretical of course:13 times
- 2. Lab work:7 times
- 3. Home studies: related to the chapter discussed in the class