

Integrated Pest Management

Obligatory module or Selective module	Integrated Pest Management	PNH 4125
Semester	VI	
Module level	Undergraduate	
Module Coordinator	Prof. Dr. Ir. Edhi Martono, M.Sc.	
Lecturer(s)	Prof Dr. Ir. Edhi Martono, M.Sc. Prof. Dr. Ir. Susanto Somowiyarjo, M.Sc. Prof. Dr. Ir. Triwidodo Arwiyanto, M.Sc. Prof. Ir. Y. Andi Trisyono, M.Sc., Ph.D.	
Type of Module	1 hour and 40 minutes lecture	
Status	C (compulsory courses)	
Exam	Written	
Number of participants	64	
Credit Points:	2/0 (3.02 ECTS)	
Description:	A course to instill knowledge and to understand the concept, tactics, strategy and implementation of Integrated Pest Management on any commodities. This course will examine the development of the concept up to its implementation to the farmers in the field.	
Academic goal (competency):	Understand the principles of IPM, able to prepare basic components of IPM, able to draw a plan of an IPM program implementation on major commodities	
Course outcomes:		
CO1 = Students are able to understand the principles of IPM		
CO2 = Students are able to prepare the basic component of IPM		
CO3 = Students are able to draw a plan of an IPM program implementation on major commodities.		
Contents:		
<ol style="list-style-type: none"> 1. History and the background of IPM 2. Theoretical bases and concept of IPM: Ecology 3. Theoretical bases and concept of IPM: Economy 4. Practical bases and experiences of IPM 5. From concept to program: how to implement IPM and its instances from around the world 6. Steps in implementing IPM: what and how 7. Steps in implementing IPM: how and why 8. Choices of methods in IPM I : basic components 		

<p>9. Choices of methods in IPM II: developed components</p> <p>10. Choices of methods with references to current progress in pest and diseases technologies</p> <p>11. Modern/State of the Art Agriculture and IPM</p> <p>12. Dissemination and Extension of IPM I</p> <p>13. Dissemination and Extension of IPM II</p> <p>14. The Future of IPM</p>	
<p>Which previous course required? Plant Protection</p>	
<p>Literature:</p> <p>Untung, K. 2007. Prinsip Pengendalian Hama Terpadu. Gadjah Mada University Press, Yogyakarta. 273 p.</p> <p>Jan Oudejans, 2007, Perkembangan Pertanian di Indonesia, Gadjah Mada University Press</p>	
<p>Materials provided: PPT dan hand out</p>	
<p>Requirements for exam:75% attendance</p>	
<p>Teaching method(s)</p>	<p>Lectures, discussions, and assignments (Visit to major commodities farming which has practiced IPM, interviewing IPM participants farmers)</p>
<p>Workload (hrs).</p> <ol style="list-style-type: none"> 1. Theoretical of course:14 times 2. Lab work:- 3. Home studies: related to the chapter discussed in the class 	