



UNIVERSITI TEKNOLOGI MARA

AGR244: PEST MANAGEMENT

Course Name (English)	PEST MANAGEMENT APPROVED
Course Code	AGR244
MQF Credit	3
Course Description	The course will provide students with the basic concepts of plantation crop pest and disease of economic importance. The students are introduced to conditions which promote pests and diseases and general management strategies of plantation crop pest. Students will have the opportunity to carry out hands-on exercise during field for insect, diseases and identification.
Transferable Skills	1. Knowing the basic concepts of plantation crop pest and disease of economic importance. 2. Opportunity to carry out hands-on exercise at the field.
Teaching Methodologies	Lectures, Blended Learning, Case Study, Presentation
CLO	CLO1 Explain the characteristics of common pests and diseases of plantation crops CLO2 Identify and recognize the common plantation crops pests and diseases CLO3 Recognize and apply the control strategies for plantation crops pest and diseases
Pre-Requisite Courses	No course recommendations
Topics	1. 1.0 MAJOR PLANTATION INSECT AND NON INSECT PEST MANAGEMENT 1.1) 1.1 General principles of insect management 1.2) 1.2 Major insect and non insect pest in plantations 1.3) 1.3 Methods of control 1.4) 1.4 Insecticide application 2. 2.0 MAJOR PLANTATION DISEASES MANAGEMENT 2.1) 2.1 Introduction to crop diseases 2.2) 2.2 Management of diseases in oil palm plantation 2.3) 2.3 Management of disease in rubber plantation 2.4) 2.4 management of diseases in rice plantation 2.5) 2.5 Other methods for disease management 3. 3.0 WEED MANAGEMENT 3.1) 3.1 Types of weeds 3.2) 3.2 Management of weeds in plantation 3.3) 3.3 Methods of weed management

Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Individual assignment - pest and non-insect pest of oil palm, rubber and paddy	20%	CLO1
	Presentation	Video presentation - Diseases of oil palm, rubber and weeds in plantation	20%	CLO3
	Test	Online Test	20%	CLO1

Reading List	Recommended Text	Reference Book Resources
	<ul style="list-style-type: none"> • Gullon, P.J. and Cranston, P.H. 2010, <i>The Insect : An Outline of Entomology</i>, 4ths Ed., Wiley-Blackwell London • Elzinga, R.J 2001, <i>Fundamentals Of Entomology</i>, 8th Ed., Prentice Hall Inc. New Jersey • Agrios, G.N 2004, <i>Plant Pathology</i>, 5th Ed., Academic Press New York 	<ul style="list-style-type: none"> • Romoser, W.S and Stoffolano, J.G 2000, <i>The Science of Entomology</i>, 6th Ed., The McGraw-Hill Companies, Inc • Hill, D.S 1997, <i>The Economic Importance of Insect</i>, Chapman and Hall 2-6 Boundry Row, London • Peters, T.M. 1988, <i>Insect and Human Society</i>, Van Norstrand Reinhold Company New York • Yunus, A. and A. Balasubramaniam 1981, <i>Major Crop Pest in Peninsular Malaysia</i>, Ministry of Agriculture Malaysia Kuala Lumpur • Atkins, M.D. 1988, <i>Insect and Perspectives (Tinjauan Terhadap Serangga Terjemahan Syed Tajuddin Syed Hassan)</i>, Dewan Bahasa Dan Pustaka Kuala Lumpur • Ibrahim, Y and K.K. Chong 1989, <i>Serangga Perosak Utama Tanaman di Malaysia</i>, Dewan Bahasa dan Pustaka Kuala Lumpur
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	