



UNIVERSITI TEKNOLOGI MARA

AGA650: CURRENT ISSUES IN AGRICULTURE

Course Name (English)	CURRENT ISSUES IN AGRICULTURE APPROVED
Course Code	AGA650
MQF Credit	3
Course Description	This course is designed to examine current issues and concerns in agronomy that could affect the agricultural production. Through lectures, discussions, academic visit, presentation and research efforts, the student will be exposed to the current issues of agronomy. Emphasis will be placed on exploring, interpreting, evaluating, analysing the current issues of agronomy's today.
Transferable Skills	1. Expose to the current issues and concern in agronomy
Teaching Methodologies	Lectures, Field Trip, Discussion, Presentation, Journal/Article Critique
CLO	CLO1 State and discuss a set of agronomy issues and illustrate various technical, social, and ethical components underlying these issues CLO2 Observe and evaluate data and information sources for applicability, bias, and quality of agronomy issues CLO3 Identify and develop problem-solving skills with the opportunity to research agronomy issues and communicate that information to a group in a professional manner
Pre-Requisite Courses	No course recommendations
Topics	
1. Food Security 1.1) 1.1 World Hunger 1.2) 1.2 Population 1.3) 1.3 Natural Disaster	
2. Safety issues 2.1) 2.1 Occupation Safety and Health Act 2.2) 2.2 Roundtable Sustainable Palm Oil 2.3) 2.3 Halal Products	
3. Environmental Issues 3.1) 3.1 Global Warming 3.2) 3.2 Waste Management 3.3) 3.3 Zero Burning 3.4) 3.4 Soil and Water Conservation	
4. Technologies Issues 4.1) 4.1 Plant Breeding 4.2) 4.2 Biotechnology 4.3) 4.3 Precision Agriculture 4.4) 4.4 Agricultural and Mechanization and Transportation	
5. Marketing Issues 5.1) 5.1 Roles of Government (MATRADE, MITI, FAMA etc) 5.2) 5.2 International trade and policies	
6. Labour issues 6.1) 6.1 Local labour-shortage 6.2) 6.2 Foreign worker	

Assessment Breakdown		%	
Continuous Assessment		100.00%	

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Case Study	Case study on selected chapter	45%	CLO2
	Individual Project	Assignment	40%	CLO2
	Journal/Article Critique	Current issues	5%	CLO3
	Presentation	Video presentation	10%	CLO1

Reading List	Recommended Text	Reference Book Resources
	<ul style="list-style-type: none"> • Eric Lichtfouse 2013, <i>Sustainable Agriculture Reviews</i>, Springer • Eric Lichfous 2012, <i>Farming for food and water security</i>, Springer • OECD 2013, <i>Compendium of Agri- Environmental Indicators</i>, OECD Publishing • Sparks,. L 2011, <i>Advances in Agronomy</i>, Academic Press Inc. 	<ul style="list-style-type: none"> • Q. Ashton Acton 2013, <i>Issues in Agribusiness and Agricultural Economics</i>, Schollary Editions • International Labor Organization 1994, <i>Recent developments in the plantation sector</i> • Food Agriculture Organization 2013, <i>World Food and Agriculture</i>, FAO Statistical • Kates, Robert W., Thomas M. Parris, and Anthony A. Lesiserowitz 2005, <i>Environment: Science and Policy for sustainable development</i>, 47 (3) • Litchfouse, E. 2009, <i>Sustainable Agriculture Reviews: Organic Farming, Pest Control and Remediation of Soil Pollutants</i> Springer

Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources