



UNIVERSITI TEKNOLOGI MARA

AGR573: AGRICULTURE INPUT SUPPLIES

Course Name (English)	AGRICULTURE INPUT SUPPLIES APPROVED
Course Code	AGR573
MQF Credit	3
Course Description	This course provides an introduction to agricultural inputs supplies and agribusiness management. It covers topics on the role and status of agricultural inputs industry including fertilizer, seed and agrochemicals. This course provides notable information on several aspects of agricultural input distribution including national policy and acts of fertilizer, seed and pesticides as well as demand and supply scenario of agricultural inputs. Students will also be exposed on marketing and managing of agricultural inputs through field trip to agriculture related companies and industries.
Transferable Skills	Knowledge Communication skills Leadership Teamwork Life long learning
Teaching Methodologies	Lectures, Discussion, Presentation
CLO	CLO1 Explain the importance of agricultural input supplies. CLO2 Analyze the problems and issues related to agricultural input supplies and methods to reduce these problems. CLO3 Discuss with peers and instructor verbally on managing agricultural inputs efficiently.
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction and concept of agricultural input 1.1) N/A	
2. Role of fertilizer in agricultural production 2.1) N/A	
3. Constraints in fertilizer use and emerging scenario of fertilizer use, scope of bio-fertilizers 3.1) N/A	
4. Environmental pollution due to fertilizers 4.1) N/A	
5. Methods of fertilizer recommendation for crops, study of fertilizer marketing systems. 5.1) N/A	
6. Demand and supply scenario of agro inputs seeds, fertilizers, agro-chemicals, machineries and pricing inputs. 6.1) N/A	
7. Information system for agricultural input marketing 7.1) N/A	
8. Importance of quality seeds in agriculture 8.1) N/A	
9. Principles and methods of seed production 9.1) N/A	
10. National Policy and Acts: Pesticides Act, Seed Certification, Fertilizer Act 10.1) N/A	

11. Inputs trade and export potential 11.1) N/A
12. Managing agricultural inputs efficiently 12.1) N/A

Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Written assignment	20%	CLO1
	Case Study	Case Study	20%	CLO2
	Presentation	Video presentation	20%	CLO3

Reading List	Recommended Text
	<ul style="list-style-type: none"> 2003, <i>Agro Based Hand Book of Cultivation, Plantation and Farming : With Directory of Manufacturers/ Suppliers of Agricultural Equipments & Implements and Suppliers of Agricultural Fertilizer, Seeds, Chemicals etc.</i>, Eng. India Res. Inst.

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

Other References	
	<ul style="list-style-type: none"> • Book Jagdish Prasad <i>Encyclopaedia of Agricultural Marketing : Marketing of Farm Inputs Seed, Fertilizer and Irrigation, Vo. IX</i> • Book K. Vanangamudi, N. Natarajan, K. Natarajan, A. Bharathi, R. Umarani and T.Saravanan <i>Advances in Seed Science and Technology : Vol: I: Recent Trends in Seed Technology and Management</i> • Book Dharendra Khare and Mohan S. Bhale <i>Seed Technology</i> • Book P. K. Behera <i>Plant Compost-Manure and Agro-Chemicals Analysis : A Laboratory Manual</i>