



UNIVERSITI TEKNOLOGI MARA

AGR555: AGRIBUSINESS SUPPLY CHAIN MANAGEMENT

Course Name (English)	AGRIBUSINESS SUPPLY CHAIN MANAGEMENT APPROVED
Course Code	AGR555
MQF Credit	3
Course Description	This course will engage students to cognitively identify the concept of supply chain in agriculture and its function, strategy and major trends. The designated lecture session is used to discuss the commercial and academic aspects of supply chain management which include procurement, the food manufacturing process, material management, inventory management, material handling, packaging, transport and information technology. Through classroom activities, students will recognize and relate the contribution of supply chain management to development of commercial agricultural production and corporate strategy of agricultural organizations and food producers. Students will be required to express verbally and in writing to peers and the facilitator the supply chain management at every stage of the chain (farm, manufacturing, process, retail and the final consumer).
Transferable Skills	Knowledge, communication, managerial and entrepreneurial skill through agribusiness supply chain case study, class dialogues and presentation
Teaching Methodologies	Lectures, Case Study, Presentation
CLO	CLO1 Define the importance and contribution of supply chain management to the food and agricultural economies. CLO2 Collaborate, motivate and truthful with group members in the group presentations using word processing, spreadsheets, database and presentation software. CLO3 Analyze the thought process, steps and strategies in the development and management of agricultural supply chain using decision models and simulation framework. CLO4 Acquire and understand the basic knowledge and common skills to be successful entrepreneurs in the global agribusiness.
Pre-Requisite Courses	No course recommendations
Topics	
1. Understanding the Supply Chain in Agriculture 1.1) N/A	
2. Supply Chain Performance : Achieving Strategic Fit and Scope 2.1) N/A	
3. Supply Chain Drivers and Metrics in Agriculture 3.1) N/A	
4. Demand Forecasting in Agricultural Supply Chain 4.1) N/A	
5. Aggregate Planning in Agricultural Supply Chain 5.1) N/A	
6. Planning Supply and Demand in a Supply Chain : Managing Predictable Variability in Agriculture 6.1) N/A	
7. Managing Economies of Scale in a Supply Chain : Cycle Inventory 7.1) N/A	
8. Managing Uncertainty in a Supply Chain : Safety Inventory 8.1) N/A	

9. Determining the Optimal Level of Product Availability 9.1) N/A
10. Transportation Decisions in an Agricultural Supply Chain 10.1) N/A
11. Designing Distribution Networks and Applications to e-Business 11.1) N/A
12. Network Design in Agricultural Supply Chain 12.1) N/A
13. Network Design in an Uncertain Environment 13.1) N/A
14. Sourcing Decisions in Agricultural Supply Chain 14.1) N/A
15. Pricing and Revenue Management in Agricultural Supply Chain 15.1) 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%	CLO3
	Presentation	Video presentation	20%	CLO2

Reading List	Recommended Text
	<ul style="list-style-type: none"> • 1. Bozarth, Cecil,C. and Handfield, Robert, B 2008, <i>Introduction to Operations and Supply Chain Management</i>, 2nd Ed., Pearson/Prentice Hall • 2. Leenders, M.R., Johnson, P. F., Flynn,A.E. and Fearon, H.E. 2006, <i>Purchasing and Supply Management.</i>, McGraw-Hill Irwin. • 3. Arjan, J,van Weele. 2009, <i>Purchasing and and Supply Chain Management: Analysis, Strategy, Planning and Practice</i>, 5th Ed., Cengage Learning Business Press • 4. Ruben, R., Van Boekel,M., Van Tilburg, A., and Trienekens, J. Eds 2007, <i>Tropical Food Chains.</i>, Wageningen Academic Publishers, The Netherlands. • Sunil Chopra and Meindl, P. 2010, <i>Supply Chain Management: Strategy, Planning, and Operations</i>, 4th Ed., Pearson Prentice Hall.

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