



UNIVERSITI TEKNOLOGI MARA

AGR585: FARM OPERATION MANAGEMENT

Course Name (English)	FARM OPERATION MANAGEMENT APPROVED
Course Code	AGR585
MQF Credit	3
Course Description	This course covers the essentials of supply chain management and quantitative techniques needed for planning and implementing farm operations. This also includes optimization of production and minimization of the cost.
Transferable Skills	1. Good farm managing skills 2. Good farm decision making 3. Good farm input management
Teaching Methodologies	Lectures, Blended Learning, Tutorial
CLO	CLO1 Define the basic set of principles needed to manage a farm operation. CLO2 Complete use of business record to help make wise decision in the use of land, labor and capital. CLO3 Determine current animal and crop production practices and technology. CLO4 Incorporate new ideas for solving problems pertaining to the farm operations.
Pre-Requisite Courses	No course recommendations
Topics	
1. 1.0 Farm Management 1.1) 1.1 Farm Management in the 21st century 1.2) 1.2 Strategic Management 1.3) 1.3 Decision Making	
2. 2.0 Measuring Farm Management Performance 2.1) 2.1 Acquiring and Organizing Management Information 2.2) 2.2 Depreciation and asset valuation	
3. 3.0 Farm Enterprise Studies 3.1) 3.1 Selecting farm enterprise 3.2) 3.2 Farm enterprise budgeting 3.3) 3.3 Farm enterprise analysis	
4. 4.0 Developing basic farm management skills 4.1) 4.1 Agriculture economic principles- choosing production levels 4.2) 4.2 Agriculture economic principles- choosing input and output combination 4.3) 4.3 Cost concepts in agriculture economics 4.4) 4.4 Partial budgeting in agriculture 4.5) 4.5 Whole farm planning	
5. 5.0 Improving farm management skills 5.1) 5.1 Farm business organization and transfer 5.2) 5.2 Managing risk and uncertainty in agriculture 5.3) 5.3 Managing income taxes in agriculture 5.4) 5.4 Farm business analysis	
6. 6.0 Acquiring resources for farm management 6.1) 6.1 Capital and the use of credit 6.2) 6.2 Land-control and use 6.3) 6.3 Human resources and management in agriculture 6.4) 6.4 Farm machinery management	
7. 7.0 Linear Programming 7.1) 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	Assignment	20%	CLO2
	Individual Project	Individual project	10%	CLO3
	Test	Online Test	30%	CLO1

Reading List	Recommended Text
	<ul style="list-style-type: none"> • 1. Ronald D.K, William M.E. and Patricia A.D 2008, <i>Farm Management</i>, Sixth edition Ed., McGraw- Hill International Edition • 2. Beattie, Bruce R., C. Robert Taylor and Myles J. Watts. 2009, <i>The economic of production</i>, 2nd edition Ed., Malabar, FL:Krieger • 3. Bower, Love and Kletka 1994, <i>Machinery Replacement Strategies</i>, Deere and Company Service Publication • 4. Higgs, Heisdenreich, Loberger, Cropp and Mitchell 1981, <i>Agriculture Mathematics</i>, 2nd Edition Ed., Interstate Publisher Inc. • 5. Jonathan T., Martin T., 1989, <i>Applied Farm Management</i>, BSP Profesional Books • 6. Purcell, Wayne D. 1995, <i>Marketing Agricultural Commodities</i>, Deere and Company Services Publication.

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