



UNIVERSITI TEKNOLOGI MARA

AGR363: FARM MANAGEMENT

Course Name (English)	FARM MANAGEMENT APPROVED
Course Code	AGR363
MQF Credit	3
Course Description	An introductory course on farm management that lays emphasis on the three basic functions of management - planning, implementation and control. It provides explanations on the roles and functions of management, cost concepts and basic economic principles and how these concepts and principles are used in decision making. To provide an overall coverage on farm management, topics such as management of productive resources, farm record keeping and accounts and their uses in planning and controlling and investment analysis are included.
Transferable Skills	Students able to acquired and apply knowledge in agricultural sector. students able to communicate scientific and management knowledge effectively. students able to work in a team and independently in multi-disciplinary projects. students able to identify and assist in solving plantation management problems.
Teaching Methodologies	Lectures, Tutorial, Discussion, Presentation
CLO	CLO1 Define and understand the basic economic principles and cost concepts CLO2 Describe the basic economic principles and cost concepts how they are used in decision making CLO3 Apply the basic economics principle and cost concept in managing farm effectively CLO4 Analyse the strengths and weaknesses of farm business and to remedy these weaknesses
Pre-Requisite Courses	No course recommendations
Topics	
1. 1.0 INTRODUCTION 1.1) 1.1 The importance of management 1.2) 1.2 Farming as a form of business	
2. 2.0 ROLES AND FUNCTIONS OF MANAGEMENT 2.1) 2.1 Definition 2.2) 2.2 Roles and responsibilities of a manager 2.3) 2.3 Characteristics of a good management 2.4) 2.4 Decision making process 2.5) 2.5 Management functions	
3. 3.0 COSTS CONCEPTS AND ECONOMIC PRINCIPLES 3.1) 3.1 Production function 3.2) 3.1.1 Basic concept. 3.3) 3.1.2 Law of diminishing returns 3.4) 3.1.3 Finding the profitable levels of input to use and output to produce 3.5) 3.6) 3.2 Input substitution 3.7) 3.2.1 Finding least-cost combination of inputs 3.8) 3.2.2 Cost concepts 3.9) 3.2.2.1 Fixed costs, variable costs and marginal costs 3.10) 3.2.2.2 Applying cost concepts 3.11) 3.2.2.3 Economies of size 3.12) 3.2.2.4 Opportunity cost 3.13) 3.2.2.5 Comparative advantage 3.14) 3.2.3 Enterprise combinations	

<ul style="list-style-type: none"> 3.15) 3.2.3.1 Product combinations 3.16) i. Joint products 3.17) ii. Competitive products 3.18) iii. Supplementary products 3.19) iv. Complementary products 3.20) 3.2.3.2 Finding the optimum product combinations
<p>4. 4.0 MANAGEMENT OF FACTORS OF PRODUCTION</p> <ul style="list-style-type: none"> 4.1) 4.1 Land 4.2) 4.1.1 Definition 4.3) 4.1.2 Land control: rent or own 4.4) 4.1.3 Appraising land 4.5) 4.1.4 Solving problems relating to – when land is limited 4.6) 4.7) 4.2 Labour 4.8) 4.2.1 Types of labour 4.9) 4.2.2 Efficiency of labour 4.10) 4.2.3 Managing hired labour 4.11) 4.2.4 Solving problems relating to - when labour is limited 4.12) 4.13) 4.3 Capital 4.14) 4.3.1 Definition 4.15) 4.3.2 Types and sources of loans 4.16) 4.3.3 Establishing and developing credit 4.17) 4.3.4 Cost of borrowing
<p>5. 5.0 MACHINERY</p> <ul style="list-style-type: none"> 5.1) 5.1 Importance of mechanisation in agriculture 5.2) 5.2 Estimating machinery costs 5.3) 5.3 Machinery selections 5.4) a. Machinery size and timing 5.5) b. New or used 5.6) c. Rent , buy or lease 5.7) 5.4 Measuring machinery efficiency.
<p>6. 6.0 ACCOUNTS AND FARM RECORDS</p> <ul style="list-style-type: none"> 6.1) 6.1 Importance of records and uses of records in farm business 6.2) 6.2 Types of records 6.3) a. Farm inventory 6.4) i. Importance of farm inventory 6.5) ii. Taking inventories 6.6) iii. Types of inventories. 6.7) 6.8) b. Farm accounts 6.9) i. Accounting systems 6.10) ii. Setting up farm accounts 6.11) iii. Accounts for small farm 6.12) 6.13) c. Field records 6.14) i. General farm records 6.15) ii. Production records 6.16) iii. Livestock records 6.17) iv. Machinery records.
<p>7. 7.0 BUDGET AND FARM PLANNING</p> <ul style="list-style-type: none"> 7.1) 7.1 Enterprise budget 7.2) 7.1.1 Setting up the budget 7.3) 7.1.2 Interpretations of budget 7.4) 7.5) 7.2 Partial budget 7.6) 7.2.1 Setting up the budget 7.7) 7.2.2 Interpretations of budget. 7.8) 7.9) 7.3 Whole farm planning 7.10) 7.3.1 Planning procedures 7.11) 7.3.2 Developing whole farm plan 7.12) 7.13) 7.4 Linear programming 7.14) 7.4.1 Basics assumptions 7.15) 7.4.2 Solving farm planning problems 7.16) I. using graphs 7.17) II. using simplex

8. 8.0 FARM BUSINESS ANALYSIS

- 8.1) 8.1 Analysis of balance sheet
- 8.2) 8.2 Analysis of income statement
- 8.3) 8.3 Enterprise analysis - crops and animals
- 8.4) 8.4 Whole farm business analysis
- 8.5) 8.5 Diagnosing a farm profitability problem

9. 9.0 INVESTMENT ANALYSIS

- 9.1) 9.1 Time value of money
- 9.2) 9.2 Investment analysis

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
	Presentation	Video presentation	20%	CLO3
	Test	Online test	20%	CLO1

Reading List	Recommended Text	• McGraw-Hill, <i>Kay R.D Farm Management : Planning, Control a, 6 Ed.</i>
	Reference Book Resources	• Penson J.B, <i>Introduction to Agricultural Economics, 4 Ed., Prentice Hall. 215 p</i>

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