

Farm management course description

1.	: Course Name
Farm management	
2.	: Course Code
FAWA410	
3.	Semester / Year : Annual
First semester/fourth stage/2023–2024	
4.	Date this description was prepared
2024/4/1	
5.	Available forms of attendance:
My presence	
6.	:Number of study hours (total)/number of units (total)
2 theoretical hours / 3 practical hours (5 hours) / 3.5 units	
7.	Name of the course administrator (if more than one name is mentioned)
Dr.. Zwaid fathy Abd Mahasen Mahmoud Sultan .	
8.	Course objectives
<ul style="list-style-type: none"> • .The student learns about economic concepts that can be applied to making decisions using farm situations • Develop the student's skills in planning, budgeting, financial analysis of farm businesses, and investment .analysis • .The student is able to achieve optimal use of production factors on the farm and achieve economic efficiency • Enabling students to submit farm reports and records • Enabling the student to use methods for calculating the depreciation of machinery, equipment, and agricultural buildings • Enabling the student to link the economic foundations and standards that govern planning, executive and .supervisory decisions in the areas of production and marketing • Enable the student to determine the optimal size of the farm • Enabling the student to understand, assimilate and differentiate between production and agricultural costs and agricultural assets • Enable the student to use the economic rules that govern the selection of combinations of - agricultural resources to choose productive combinations of various agricultural commodities • . Enabling the student to develop different alternatives to make a production or investment decision - • Enabling the student to provide advice in the field of farm management, especially in determining - the financial and economic position of the facility and identifying the areas that give the highest .returns • Enabling the student to make investment decisions for agricultural projects under conditions of risk - 	

and uncertainty

- Enable the student to measure economic efficiency using some statistical programs -
- Enabling the student to reach the optimal crop structure that maximizes net income or minimizes costs -

9. Teaching and learning strategies

- Interactive lecture
- Brainstorming
- Dialogue and discussion
- Assignment of duty

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
semester ,test 1	Interactive lecture, brainstorming, dialogue and discussion	Farm management concepts and functions	Basic concepts of farm management and :A1 comparison between farm management, public administration, and business administration Explaining the difference between farm tool :B1 science and other agricultural sciences and clarifying the characteristics of a successful farm manager , explaining the functions of farm management , choosing the factors that help elect a successful .agricultural project	2 Theoretical	1
Short practical test 1 , homework	Interactive lecture, brainstorming, dialogue and discussion	Farm production costs	The concept of farm production costs :A3 Distinguish between farm production costs and :E2 farm assets Practical examples of types of farm production :B16 costs and presentation of the shapes of cost curves and their derivatives Analyze the farmer's position on the profit and :D5 loss facing the producer on the farm	3 practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion	Farm decision making process	The concept of the farm decision-making :B2 clarifying the scientific steps in making , process farm decisions , classifying the decisions taken by .the farm	2 Theoretical	2
Short practical test1	Interactive lecture, brainstorming, dialogue and discussion	The principle of setting the best level of production	Basic conditions for determining the best level :B17 of production , mathematical applications and examples to determine the best level of production Conclusions from the principle of setting the :D6 best level of production	3 practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion	Measures of economic efficiency on the farm	Description of economic efficiency and its :B3 , components Explain the criteria for evaluating various B4 productive projects with applied models Standards used to measure economic efficiency :C1	2 Theoretical	3

			on the farm, with mathematical examples of its application		
Short practical test 1 , homework	Interactive lecture, brainstorming, dialogue and discussion	Practical application of economic efficiency measures	Solve mathematical exercises and display :B18 graphical forms for efficiency measures and project evaluation	3 practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion	Farm size	The concept of farm size and the optimal size of :B5 explaining the factors determining farm, production size	1 theoretical	4
Short practical test 2	Interactive lecture, brainstorming, dialogue and discussion	Farm size	Determine the optimal volume of production in :C3 the long run theoretically and graphically	3 practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion	Farm records	The concept of farm records, their importance :B6 ,and objectives Justifications for keeping farm records , and :D1 distinguishing between types of farm records	1 theoretical	5
a test Semester final ,1 exam	Interactive lecture, brainstorming, dialogue and discussion	Farm records	Drafting and presenting models for farm :B19 records for all agricultural activities Determine the optimal size of information :C4 graphically	3 practical	
writing a report	Interactive lecture, brainstorming, dialogue and discussion	A field visit	A field visit to the Nineveh Agriculture :C2 Directorate to review farm records	1 theoretical	6
writing a report	Interactive lecture, brainstorming, dialogue and discussion	A field visit	A field visit to the Nineveh Agriculture :C2 Directorate to review farm records	3 practical	
Semester exam 2, final exam	Interactive lecture, brainstorming, dialogue and discussion	Farm management methods	Justifications for studying farm management :D2 methods Explaining farm management methods :B7	1 theoretical	7
Short practical test1	Interactive lecture, brainstorming, dialogue and discussion	The principle of equal marginal returns	Describe the principle of equal living returns :B20 An applied mathematical example of: B21 determining equal marginal returns	3 practical	
Semester exam 2, final exam	Interactive lecture, brainstorming, dialogue and discussion	Farm planning	The concept, objectives, types and methods of :B8 agricultural planning	1 theoretical	8
Short practical test1	Interactive lecture, brainstorming, dialogue and discussion	The principle of substitution and substitution	An explanation of the principle of substitution :B22 and substitution and solving applied mathematical examples	3 practical	
Semester exam 2, final exam	Interactive lecture, brainstorming, dialogue and discussion	Extinction and methods of calculating it	Definition of extinction and factors affecting :A2 extinction calculations Justifications and reasons for calculating the :D3 depreciation of agricultural machinery , machinery , and buildings Explain the methods of calculating extinction :B9	1 theoretical	9
Short practical test1	Interactive lecture, brainstorming, dialogue and discussion	Extinction and methods of calculating it	Solve applied mathematical examples of :B23 methods for calculating extinction	3 practical	
Semester	Interactive lecture,	Methods of	The concept of agricultural land management , :B10	1	10

test2	brainstorming, dialogue and discussion	evaluating lands and structures Agricultural real estate	Explain and identify the factors affecting the evaluation of land and real estate facilities Explaining methods for valuing lands and real estate structures	theoretical	
Short practical test1	Interactive lecture, brainstorming, dialogue and discussion	Methods of evaluating land and real estate facilities	Mathematical application of land and real estate valuation methods :B24	3 practical	
writing a report	Interactive lecture, brainstorming, dialogue and discussion	Field visit to solve a problem	A field visit to the Bashiqa Agriculture Division :E1 to learn about the problems and obstacles of olive cultivation	1 theoretical	11
writing a report	Interactive lecture, brainstorming, dialogue and discussion	Field visit to solve a problem	A field visit to the Bashiqa Agriculture Division :E1 to learn about the problems and obstacles of olive cultivation	3 practical	
Final test	Interactive lecture, brainstorming, dialogue and discussion	Managing work on the farm efficiently	Clarifying the planning and management of farm work :B11	1 theoretical	12
Short practical test 1, homework	Interactive lecture, brainstorming, dialogue and discussion	Agricultural crop management	the economic criteria used in Explain agricultural crop management :B25	3 practical	
Final test	Interactive lecture, brainstorming, dialogue and discussion	Efficient capital management	Explain the efficiency criteria for using farm capital :B12	1 theoretical	13
Short practical test 1 and homework	Interactive lecture, brainstorming, dialogue and discussion	Farm animal management	the economic criteria used in Explain managing farm animals :B26	3 practical	
Short test, final test	Interactive lecture, brainstorming, dialogue and discussion	Linear programming method for data analysis	The concept and tools of linear programming , methods of linear programming :B13	1 theoretical	14
Short practical test3	Interactive lecture, brainstorming, dialogue and discussion	Linear programming method	Examples of the graphical method and the tabular method of linear programming :B27	3 practical	
Short test, final test	Interactive lecture, brainstorming, dialogue and discussion	Managing risk and uncertainty	The concept of risk and uncertainty , identifying and explaining the types of risk in the agricultural sector Infer the factors causing risk and uncertainty :D4	1 theoretical	15
Test , short , practical1	Interactive lecture, brainstorming, dialogue and discussion	Linear programming method	theoretical and mathematical methods Explain to reduce the amount of risk in agricultural production :B28	3 practical	

11. Course evaluation

Relative % weight	Class	Calendar date (week)	Calendar methods	T
2.5	2.5	the sixth week	Report 1	1
2.5	2.5	The eleventh week	Report 2	2
1	1	The first week	Quiz Short test (1)	3
1	1	second week	Quiz Short test (2)	4
2	2	tenth weeksand The ninth	Quiz Short test (3)	5
10	10	The seventh week	Semester test (1)	6
10	10	The third week is difficult	Semester test (2)	7

40	40	Final semester exams	Final theoretical test	8
1	1	The fifteenth week	Quiz Short test (4)	9
1	1	The first week	Quiz Short test (1)	10
2	2	The fourth and eighth weeks	Quiz (2) Short practical test	11
1	1	The ninth week	Quiz (3) Short practical test	12
1	1	The fourteenth week	Quiz (4) Short practical test	13
5	5	Weeks 1,3,12,13,15	Homework	14
20	20	Final semester exams	Final practical test	15
%100	%100	100	the total	

12. Learning and teaching resources

Al-Samarrai, Hashem Alwan. 1982. Farm business management. Dar Ibn Al-Atheer for Printing and Publishing. University of Al Mosul . Iraq	Required textbooks (methodology, if any)
Klidar. Qusay Qasim and Abdullah Hamad Al-Dabash. Theoretical and applied farm business management. 2018. Anwar Degla Press. Baghdad . Iraq Judge Abdel Fattah Saleh and Ahmed Shukri Al-Rimawi. Principles in farm management. 1996. Dar Hanin. Oman . Jordan Dr.. Khaled Al-Ruwais. Lectures on agricultural plant management, Palace 213. Department of Agricultural Economics. College of Food and Agricultural Sciences -	Main references (sources)
nothing	Recommended supporting books and references (scientific journals, (...reports
nothing	Electronic references, Internet sites

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