course description Farm management

1.	Course Name :
	Farm management
2.	Course Code :
	FAWAI10
3.	Year / Semester : Annual
	Second Semester / Spring semester 2024/
4.	Date this description was prepared
	1/2/2024
5.	Available forms of attendance :
	My presence
6.	Number of study hours (total)/number of units (total):
	theoretical hours2 / practical hours3 (hours5) / units3.5 hours (75)
7.	Name of the course administrator (if more than one name is mentioned)
	M. Mona Abdel Qader Ahmed Mahmoud Sultan M. Mahasen
8.	Course objectives

- 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 an investment decision or production.

- 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.

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- 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

Teaching and learning strategies	**.9**

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

Course structure	**.10**

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

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

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Evaluation	Learning method	Name of unit / subject	Required learning outcomes	Hours	Week
		Agricultural real estate	real estate and Explaining methods for valuing lands structures		
Short practical 1 test	Interactive lecture, brainstorming, dialogue and discussion	Methods of land and evaluating real estate facilities	B24: Mathematical application of land and real estate valuation methods	3 practical	
writing a report	Interactive lecture, brainstorming, dialogue and discussion	solve a Field visit to problem	E1: A field visit to the Bashiqa Agriculture Division to learn about the problems and obstacles of olive cultivation	1 theoretical	11
writing a report	Interactive lecture, brainstorming, dialogue and discussion	solve a Field visit to problem	E1: A field visit to the Bashiqa Agriculture Division to learn about the problems and obstacles of olive cultivation	3 practical	
Final test	Interactive lecture, brainstorming, dialogue discussion and	Managing work on the farm efficiently	B11: Clarifying the planning and management of farm work	1 theoretical	12
Practical 1 short test, homework	Interactive lecture, brainstorming, dialogue and discussion	Agricultural crop management	B25: Explain the economic criteria used in agricultural crop management	3 practical	
Final test	Interactive lecture, brainstorming, dialogue and discussion	Efficient capital management	B12: Explain the efficiency criteria for using capital farm	1 theoretical	13
Short practical and 1 test homework	Interactive lecture, brainstorming, dialogue and discussion	Farm animal management	B26: Explain the economic criteria used in managing animals farm	3 practical	
Short test final test	Interactive lecture, brainstorming, dialogue and discussion	Linear programming method for data analysis	B13: The concept and tools of linear programming, methods of linear programming	1 theoretical	14
Short practical 3 test	Interactive lecture, brainstorming, dialogue discussion and	Linear programming method	B27: Examples of the graphical method and the tabular method of linear programming	3 practical	
Short test final test	Interactive lecture, brainstorming, dialogue and discussion	Managing risk and uncertainty	B14: The concept of risk and uncertainty, identifying and explaining the types of risk in the agricultural sector and uncertainty the factors causing risk; D4: Infer	1 theoretical	15
a test practical 1 short	Interactive lecture, brainstorming, dialogue and discussion	Linear programming method	B28: Explain theoretical and mathematical methods to reduce the amount of risk in agricultural production	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	first week The	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

				12
1	1	The ninth week	Quiz (3) Short practical test	12
1	1	fourteenth week The	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	

Learning and teaching resources   .12

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)
Qusay Qasim and Abdullah Hamad Al-klidar . 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 Jordan . Oman. Dar Hanin.

Dr.. Khaled Al-Ruwais. Lectures on agricultural plant management, 2013.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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