

Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department



Academic Program and Course Description Guide

2024

2024

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are

followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: Anbar.

Faculty/Institute: Agriculture

Scientific Department: Agricultural Economics

Academic or Professional Program Name: Agricultural Economics

Final Certificate Name Bachelor of Agricultural Sciences/Agricultural Economics

Academic System: Semester

Description Preparation Date: 1/9/2023

File Completion Date: 15/4/2024

Signature:

Head of Department Name:

Prof. Dr. Ali Darub Kassar

Date: 15/4/2024



Signature:

Scientific Associate Name:

Assist. Prof. Osama Hussein

Mhaidi

Date: 15/4/2024

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date: 15/4/2024

Signature:



Prof. Dr.
Idham Ali Abed Khalaf
Approval of the Dean
Dean of the College of Agriculture

15/4/2024

1. Program Vision

Agricultural work in agricultural activities must be subject to economic visions in choosing agricultural activities and allocating agricultural resources among different activities in a way that meets the needs of consumers and producers alike and preserving the agricultural environment and its readiness to achieve sustainable development to meet the requirements of current and future generations.

2. Program Mission

The program's mission is to provide educational, research and advisory services and prepare cadres working in the field of project feasibility study, evaluation and management of existing agricultural projects and capable of managing and marketing food, drawing up agricultural policy, using natural resources and creating rural development in line with technological and scientific development and in a way that helps in creating the competitiveness of the local agricultural product. With a focus on applied research that has economic, social and interdisciplinary returns that serve society..

3. Program Objectives

The program's objectives can be set according to the subprogrammes of its general program and are as follows:

First: – Initial studies programme: – The department aims in this program to teach students the theoretical, practical and applied foundations of agricultural economics in a way that qualifies them for agricultural planning and management of agricultural production systems by providing them with experiences and skills that will enable them in the future to:

Managing agricultural projects according to sound economic foundations that achieve the desired goals of the agricultural project

- Working in financing and lending institutions such as agricultural banks and others.

- Data and information analysis, planning and management.

- Preparing economic feasibility studies and evaluating agricultural projects.

Drawing up agricultural policies and analyzing their effects on the agricultural sector level.

- Study the value chains of agricultural commodities.

- Contributing to sustainable agricultural development and rural development in the rural community.

- Providing training courses in agricultural economic fields for various segments of society, especially those working in the agricultural sector.

- Identify methods of descriptive and quantitative economic analysis.

- Providing with the foundations of performing marketing functions and managing agricultural marketing.

Second: – Postgraduate Studies Program: – The department works to prepare postgraduate students equipped with scientific knowledge that will enable them to research economic problems in the agricultural sector, develop hypotheses regarding them, collect and analyze relevant economic data, test hypotheses, deduce the causes of these problems, and develop appropriate solutions by formulating recommendations that represent... Solutions to the foundations of these problems are based on the results of scientific analysis.

Third: – Scientific research program: – The scientific department develops a research program for its teaching staff, each according to his specialization, with the aim of identifying problems that hinder agricultural development processes or limit development steps and impede the effectiveness of economic policies to analyze, study, and make recommendations regarding them in accordance with the steps of solid scientific research. In addition to the contribution of the department members to community service by providing the necessary consultations or training in the field of agricultural economics.

4. Program Accreditation

The department has not yet obtained program accreditation, and work is underway to prepare its requirements

5. Other external influences

Relevant laws and guidelines

6. Program Structure

| Program Structure | Number of Courses | Credit hours | Percentage | Reviews* |
|--------------------------|-------------------|--------------|------------|----------|
| Institution Requirements | 11 | 16 | 9.8 | |
| College Requirements | 13 | 44 | 26.99 | |
| Department Requirements | 33 | 105 | 64.41 | |
| Summer Training | | | | |
| Other | | | | |

* This can include notes whether the course is basic or optional.

7. Program Description

| Year/Level | Course Code | Course Name | Credit Hours | |
|-----------------|-------------|------------------------------|--------------|-----------|
| | | | theoretical | practical |
| 2023/2024 first | | Economics Principles /1 | 2 | 2 |
| 2023/2024 first | | Animal production principles | 2 | 2 |
| 2023/2024 | | Principles of horticulture | 2 | 2 |

| | | | | |
|--------------------|--|--------------------------------------|---|---|
| first | | | | |
| 2023/2024 first | | General Mathematics | 2 | 2 |
| 2023/2024 first | | English /1 | 1 | - |
| 2023/2024 first | | human rights | 1 | - |
| 2023/2024 first | | computer/1 | - | 2 |
| 2023/2024 first | | Economics Principles /2 | 2 | 2 |
| 2023/2024 first | | Economic mathematics | 2 | 2 |
| 2023/2024 first | | Plant Protection Principles | 2 | 2 |
| 2023/2024 first | | Field crops Principles | 2 | 2 |
| 2023/2024 first | | Agricultural Guidance Principles | 2 | 2 |
| 2023/2024 first | | computer/2 | - | 2 |
| 2023/2024 second | | Microeconomic theory \1 | 2 | 2 |
| 2023/2024 second | | Principles of Statistics | 2 | 2 |
| 2023/2024 second | | Fertility and Fertilization | 2 | 2 |
| 2023/2024 second | | soil basics | 2 | 2 |
| 2023/2024 second | | Food industry Principles | 2 | 2 |
| 2023/2024 second | | Computer/3 | - | 2 |
| 2023/2024 second | | Arabic Language | 2 | - |
| 2023/2024 second | | English /2 | 1 | - |
| 2023/2024 second | | Microeconomic theory \2 | 2 | 2 |
| 2023/2024 second | | agricultural statistics | 2 | 2 |
| 2023/2024 second | | Agricultural machinery and equipment | 2 | 2 |
| 2023/2024 second | | freedom and democracy | 1 | - |
| 2023/2024 second | | Dairy science principles | 2 | 2 |

| | | | | |
|------------------|--|--|---|---|
| 2023/2024 second | | care and storage | 2 | 2 |
| 2023/2024 second | | coputers/4 | - | 2 |
| 2023/2024 second | | Baath crimes | 2 | - |
| 2023/2024 third | | Macroeconomic theory \1 | 2 | 2 |
| 2023/2024 third | | Principles of Accounting | 2 | 2 |
| 2023/2024 third | | Agricultural funding and credit | 2 | 2 |
| 2023/2024 third | | Agricultural marketing | 2 | 2 |
| 2023/2024 third | | Research methods | 1 | 2 |
| 2023/2024 third | | The economics of agricultural production | 2 | 2 |
| 2023/2024 third | | Rural society | 2 | - |
| 2023/2024 third | | Macroeconomic theory \2 | 2 | 2 |
| 2023/2024 third | | Agricultural accounting | 2 | 2 |
| 2023/2024 third | | Agricultural business management | 2 | 2 |
| 2023/2024 third | | Agricultural cooperation | 3 | - |
| 2023/2024 third | | Operations research | 3 | - |
| 2023/2024 third | | seminars | 1 | - |
| 2023/2024 third | | English/ 3 | 1 | - |
| 2023/2024 Fourth | | Econometrics/1 | 2 | 2 |
| 2023/2024 Fourth | | Evaluation of agricultural projects/1 | 2 | 2 |
| 2023/2024 Fourth | | agricultural development | 3 | - |
| 2023/2024 Fourth | | agricultural policy | 3 | - |
| 2023/2024 Fourth | | economics of natural resources | 2 | 2 |
| 2023/2024 Fourth | | Foreign Trade | 2 | 2 |
| 2023/2024 Fourth | | Graduation Project | - | 2 |
| 2023/2024 Fourth | | Econometrics \2 | 2 | 2 |
| 2023/2024 Fourth | | Evaluation of agricultural projects /2 | 2 | 2 |
| 2023/2024 Fourth | | Agricultural planning | 3 | - |
| 2023/2024 Fourth | | price analysis | 2 | 2 |
| 2023/2024 Fourth | | Mathematical Economics | 3 | - |

| | | | | |
|------------------|--|----------------------|---|---|
| 2023/2024 Fourth | | environment economy | 3 | - |
| 2023/2024 Fourth | | Graduation Project/2 | - | 2 |
| 2023/2024 Fourth | | English/ 4 | 1 | - |

8. Expected learning outcomes of the program

| Knowledge | |
|---------------------|---|
| Learning Outcomes 1 | The program aims to provide students with knowledge related to the agricultural economics specialization and its supporting specializations, as well as qualifying them to practice their scientific specialization in relevant departments, taking into account the necessity of communicating with the student after graduation by conducting questionnaires to find out the extent to which he has benefited from his scientific specialization and whether he actually practices it. |
| Skills | |
| Learning Outcomes 2 | The program aims to provide the student with scientific skills that include the skills of his scientific specialization and how to prepare reports on his work, as well as other skills such as statistical skills represented by relevant statistical programs so that he can apply the results of his theoretical studies with practical study based on statistical results. |
| Learning Outcomes 3 | |
| Ethics | |
| Learning Outcomes 4 | <ol style="list-style-type: none"> 1- Instilling values and principles in the student by emphasizing his independence when expressing his opinion. 2- Emphasizing personal traits such as integrity, honesty, confidentiality, and ethics 3- Explaining the importance of the rules of professional conduct and exposure to legal penalties in the event of violation 4- Emphasizing the importance of combating financial and administrative corruption by regulatory bodies |
| | |

9. Teaching and Learning Strategies

Teaching strategies are based on a number of types, including lectures and the use of theoretical books.

Or using directed education or indirect education such as brainstorming, free discovery, and investigation

The learning strategy is based on the behaviors and procedures that the student engages in and is the focus of the teaching process

10. Evaluation methods

- 1- Students' participation in the lecture based on their prior preparation for the subject
- 2- Homework assignments
- 3- Writing reports after dividing the students into groups
- 4- Evaluation through monthly examinations

11. Faculty

Faculty Members

| Academic Rank | Specialization | | Special Requirements/Skills (if applicable) | | Number of the teaching staff | |
|---------------|--------------------------|---|--|--|------------------------------|----------|
| | General | Special | | | Staff | Lecturer |
| Professor | Agricultural Economics | Agricultural Economics+ agricultural policy | PhD in agricultural economics or similar specialty | | 2 | - |
| Assist.Prof | Agricultural Economics | Production economics – farm management – macroeconomic theory | PhD in agricultural economics or similar specialty | | 3 | - |
| Lecturer | Agricultural economics + | Agricultural economics + | PhD or Master's | | 4 | |

| | | | | | | |
|------------------|--|--|---|--|---|--|
| | other specializations | economic sciences + other specializations | degree in agricultural economics or economics | | | |
| Assist. Lecturer | Agricultural economics + other specializations | Agricultural economics + other specializations | Master's degree in agricultural economics + other specializations | | 2 | |

Professional Development

Mentoring new faculty members

They are guided by enrolling them in development courses in teaching methods and involving them in research with teaching staff with scientific titles.

Professional development of faculty members

This is done by involving them in scientific and professional courses to hone their scientific abilities and encourage them towards serious publishing in accredited scientific journals and within Scopus and Clarivate databases.

12. Acceptance Criterion

The student's average in the preparatory stage for admission to the college, as well as his average for differentiation between scientific departments within the college

13. The most important sources of information about the program

Approved methodological books, auxiliary books, periodicals and Internet sites specialized in the field of economics and agricultural economics

14. Program Development Plan

1- The department works to develop itself by relying on solid specialized curricula, as well as communicating with corresponding academic programs, especially those

that have obtained program accreditation.

2- Increase publication in reputable scientific journals with specialization.

3- Recruiting professors from local, Arab and international universities with a good academic reputation to deliver electronic or in-person lectures in the field of specialization.

4- Communicate with departments and ministries related to the specialty of agricultural economics

Program Skills Outline

Required program Learning outcomes

| Year/Level | Course Code | Course Name | Basic or optional | Knowledge | | | | Skills | | | | Ethics | | | |
|--------------------|-------------|------------------------------|-------------------|-----------|----|----|----|--------|----|----|----|--------|----|----|----|
| | | | | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 |
| 2023/2024 first | | Economics Principles /1 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | | Animal production principles | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | | Principles of horticulture | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | | General Mathematics | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | | English /1 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | | human rights | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

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|--------------------|--|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023/2024 first | computer/1 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | Economics Principles /2 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | Economic mathematics | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | Plant Protection Principles | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | Field crops Principles | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | Agricultural Guidance Principles | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 first | computer/2 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 | Microeconomy theory \1 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

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|-----------------------------|--|-----------------------------|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| second | | | | | | | | | | | | | | | | |
| 2023/2024 second | | Principles of Statistics | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | Fertility and Fertilization | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | soil basics | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | Food industry Principles | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | Computer/ 3 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | Arabic Language | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

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|---------------------|--|--------------------------------------|--------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023/2024 second | | English /2 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | Microeconomic theory \2 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | agricultural statistics | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | Agricultural machinery and equipment | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | freedom and democracy | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 second | | Dairy science principles | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 | | care and storage | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

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|-------------------------|--|---|--------------|---|---|---|---|---|---|---|---|---|---|---|---|
| second | | | | | | | | | | | | | | | |
| 2023/2024 second | | coputers/4 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 | | Baath crims | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Macroeconom ic theory \1 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Principles of Accounting | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Agricultural funding and credit | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Agricultural marketing | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Research methods | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | The economics of agricultural production | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

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|------------------|--|---------------------------------------|-------|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023/2024 third | | Rural society | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Macroeconomic theory \2 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Agricultural accounting | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Agricultural business management | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Agricultural cooperation | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | Operations research | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | seminars | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 third | | English/ 3 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | | Econometrics/ 1 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 | | Evaluation of agricultural projects/1 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

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|---------------------|--|--------------------------------------|--------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Fourth | | | | | | | | | | | | | | | |
| 2023/2024 Fourth | | agricultural development | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | | agricultural policy | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | | economics of natural resources | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | | Foreign Trade | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | | Graduation Project | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | | Econometrics \\2 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

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|---------------------|--|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023/2024 Fourth | Evaluation of agricultural projects /2 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | Agricultural planning | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | price analysis | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | Mathematical Economics | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | environment economy | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 Fourth | Graduation Project/2 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2023/2024 | English/ 4 | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

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|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Fourth | | | | | | | | | | | | | | | | | |
|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

Course Description Form

| | |
|--|--|
| 1. Course Name: | |
| Fundamentals of Agricultural Extension | |
| 2. Course Code: | |
| | |
| 3. Semester / Year: | |
| Second semester (Spring)2024 | |
| 4. Description Preparation Date: | |
| 2024 | |
| 5. Available Attendance Forms: | |
| regularity (attendance) | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 75 Hour / 3.5unit | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: Mustafa Subhi Abd AL-Gabbar Email: mustafa.subhi@uoanbar.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | Providing the student with basic knowledge of agricultural extension concepts Providing the student with the general concepts and principles of agricultural extension, Providing the student with the objectives of agricultural extension, Providing the student and introducing him to how to plan agricultural extension programs |
| 9. Teaching and Learning Strategies | |



| | |
|-----------------|--|
| Strategy | A theoretical clarification of the vocabulary of the subject, using diagrams to understand the scientific subject Using graphs in scientific material, student participation in lecture Conduct daily and monthly tests. |
|-----------------|--|

10. Course Structure

| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|------|-------|--|--|---|---------------------------|
| 1 | 5 | Knowledge and understanding Skill for the subject | brief history | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Introduction to agricultural extension | theoretically Practical vocabulary Subject | Examination, reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | The importance of agricultural extension | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Principles of agricultural extension | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | The importance of having principles of guidance work | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | Mention the principles and the importance of each of them | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Objectives of extension work | theoretically Practical vocabulary Subject | Examination, reporting |



| | | | | | |
|-----------------------|---|---|--|--|------------------------|
| 8 | 5 | Knowledge and understanding Skill for the subject | Introducing the process of communicating with audiences | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Factors affecting communication effectiveness | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Rural leadership | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Adoption and spread of modern technologies in agriculture | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Planning extension programs | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Agricultural extension methods and extension tools | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | Evaluation of extension programs | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Agricultural extension in Iraq and its stages of development | theoretically Practical vocabulary Subject | Examination, reporting |
| 11. Course Evaluation | | | | | |



| | |
|--|---------------------------------------|
| Daily exam, submission of reports, semester exam, final exam (total score 100) | |
| 12. Learning and Teaching Resources | |
| Required textbooks (curricular books, if any) | |
| Main references (sources) | Fundamentals of Agricultural Extensio |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| 1. Course Name: | | | | | |
|--|-------|--|--|---|---------------------------|
| Environment Economics | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| Second semester (Spring)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 60 Hour / 3unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Mustafa Subhi Abd AL-Gabbar Email: mustafa.subhi@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | To be active in maintaining a developed environm that our dear country enjoys, and preserving natural resources that God Almighty has harnes for us.l. | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | A theoretical clarification of the vocabulary of the subject, using da to understand the scientific subject Using graphs in scientific material, student participation in lecture Conduct daily and monthly tests. | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skillfor the subject | Concepts of environment and environmental economics | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Attention to environmental systems | theoretically Practical vocabulary Subject | Examination, reporting |



| | | | | | |
|----|---|--|---------------------------------------|---|---------------------------|
| 3 | 5 | Knowledge and understanding Skill for the subject | Economic thought and the environment | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Natural Resources | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | economical development | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | Human and technological progress | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Classification of natural resources | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | Population and Natural Resources | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | environment and development | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | sustainable development | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Poverty and the environment | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | urban development and the environment | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | environmental degradation | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | Trade and the environment | theoretically Practical vocabulary Subject | Examination, reporting |



| | | | | | |
|--|---|--|--|---|---------------------------|
| 15 | 5 | Knowledge and understanding Skill for the subject | weather changes | theoretically Practical vocabulary Subject | Examination, reporting |
| 11. Course Evaluation | | | | | |
| Daily exam, submission of reports, semester exam, final exam (total score 100) | | | | | |
| 12. Learning and Teaching Resources | | | | | |
| Required textbooks (curricular books, if any) | | | | | |
| Main references (sources) | | | 1 environmental economics 2 Environmental economics and sustainable development 3 The impact of environmental economic on the spatial signature of investment projects | | |
| Recommended books and references (scientific journals, reports...) | | | | | |
| Electronic References, Websites | | | | | |



Course Description Form

| | | | | | |
|---|---|--|---|--|---|
| 1. Course Name: | | | | | |
| Agricultural Production Economics | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| first semester (fall)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Majid Abed Hamza Email: majid.abed@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | Learn about economic theory. Introducing the content of economic Theories. Clarifying the role of economic theory | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | A theoretical clarification of the vocabulary of the subject, using da to understand the scientific subject Using graphs in scientific material, student participation in lecture Conduct daily and monthly tests. | | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skill for the subject | The principles of prim agricultural produc economics | The principles primary agricultural production economics | The principles primary agricultu production econo |
| 2 | 5 | Knowledge and understanding Skill for the subject | Relations between resou and production | Relations betw resources production | Relations betw resources production |



| | | | | | |
|----|---|--|---|---|---|
| 3 | 5 | Knowledge and understanding Skill for the subject | Determining the optimal of production resource | Determining the optimal size of production resource | Determining optimal size of production resource |
| 4 | 5 | Knowledge and understanding Skill for the subject | The production function suppliers | The production function suppliers | The production function for suppliers |
| 5 | 5 | Knowledge and understanding Skill for the subject | Chose indicators and prices relations | Chose indicators and prices relations | Chose indicators and prices relations |
| 6 | 5 | Knowledge and understanding Skill for the subject | The best mix of factors production | The best mix of factors production | The best mix of factors of production |
| 7 | 5 | Knowledge and understanding Skill for the subject | The first exam | The first exam | The first exam |
| 8 | 5 | Knowledge and understanding Skill for the subject | Synthesis of optimal cost reduction potentials | Synthesis of optimal and cost reduction potentials | Synthesis of optimal and cost reduction potentials |
| 9 | 5 | Knowledge and understanding Skill for the subject | The distribution of resources between the different productive projects | The distribution of resources between the different productive projects | The distribution of resources between the different productive projects |
| 10 | 5 | Knowledge and understanding Skill for the subject | Production costs | Production costs | Production costs |
| 11 | 5 | Knowledge and understanding Skill for the subject | Function costs agricultural production | Function costs agricultural production | Function costs agricultural production |
| 12 | 5 | Knowledge and understanding Skill for the subject | Cost functions agricultural productivity unit | Cost functions agricultural productivity unit | Cost functions agricultural productivity unit |
| 13 | 5 | Knowledge and understanding Skill for the subject | Specific economic relations to the project size | Specific economic relations to project size | Specific economic relations to project size |
| 14 | 5 | Knowledge and understanding Skill for the subject | Exam II | Exam II | Exam II |
| 15 | 5 | Knowledge and understanding Skill for the subject | Economies of scale | Economies of scale | Economies of scale |

11. Course Evaluation

Daily exam 5, submission of reports 5, semester exam 40, final exam 50 (total score 100)

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Lectures
*Agricultural Production Economics - Salem Al-Najafi
* Economics of Animal Production - Salem Al-Najafi



| | |
|---|---|
| | *Production Economics - Khaled Al-Ruwais *Agricultural Production Economic-Debrtensi |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| 1. Course Name: | | | | | |
|--|-------|--|---|---|---------------------------|
| ELEMENTS OF SOIL SCIENCE | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| First semester (autumnal)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Mustafa Subhi Abd AL-Gabbar Email: mustafa.subhi@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | Knowledge of the mechanics and movement of particles, introducing the student to the most important physical and chemical processes that take place inside soil, knowing the microbial organisms that live in the soil and their impact on the construction and composition of soil particles, knowledge of soil colloids and the most important nutrients in the soil. | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | A theoretical clarification of the vocabulary of the subject, using diagrams to understand the scientific subject Using graphs in scientific material, student participation in lecture Conduct daily and monthly tests. | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skillfor the subject | General definitions and concepts | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding | The genesis and development of | theoretically Practical | Examination, reporting |



| | | Skill for the subject | soils | vocabulary Subject | |
|----|---|---|--|---|---------------------------|
| 3 | 5 | Knowledge and understanding Skill for the subject | Soil formation factors and processes | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Soil physical properties | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Soil installation and construction t | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | Soil air and soil temperature | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Soil management and its importance in improving the composition | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | moisture content | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | soil water | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Colloids and soil chemical properties | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Organic Colloids | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Soil salinity and alkalinity | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Soil biological properties | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | Nutrients in the soil | theoretically Practical vocabulary | Examination, reporting |



| | | | | | |
|--|---|--|--|---|---------------------------|
| | | | | Subject | |
| 15 | 5 | Knowledge and understanding Skill for the subject | Exam Classification soils and lands in Iraq | theoretically Practical vocabulary Subject | Examination, reporting |
| 11. Course Evaluation | | | | | |
| Daily exam, submission of reports, semester exam, final exam (total score 100) | | | | | |
| 12. Learning and Teaching Resources | | | | | |
| Required textbooks (curricular books, if any) | | | | | |
| Main references (sources) | | | Principles of soil science basics of soil science basics of soil science Soil and plant analysis book | | |
| Recommended books and references (scientific journals, reports...) | | | | | |
| Electronic References, Websites | | | | | |



Course Description Form

| 1. Course Name: | | | | | |
|--|-------|---|---|---|------------------------|
| Principles of agricultural economics | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| Second /2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Mustafa Fadel hamad ag.mustafa.fodhil.hamad@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | 1- Understanding the distinctive characteristics of agricultural activity 2 - Understanding the relationship between resources and production in agricultural activity. 3 - Understand what is meant by the demand for agricultural commodities and the general level of prices • 4 - Understand the meaning displaying agricultural crops | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | The concept of agricultural economics, the concept of demand for agricultural crops, the concept of supply of agricultural crops, the concept of economics agricultural production, the concept of agricultural prices and price policy | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skill for the subject | The concept of agricultural economics, agriculture and characteristics | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Agricultural systems agricultural technology, importance of agricultural activity and its role economic activity | theoretically Practical vocabulary Subject | Examination, reporting |



| | | | | | |
|----|---|--|--|---|---------------------------|
| 3 | 5 | Knowledge and understanding Skill for the subject | The role of agriculture in building the economic structure, agricultural development and their types | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Agricultural income, concept and estimation methods | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Economics of agricultural production, its objectives and factors of production | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | Factors affecting agricultural production | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Production function and assumptions | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | The law of diminishing returns and its assumptions | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Land economics and agricultural land uses | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Land characteristics and types of land rent | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | The workforce in agricultural sector | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Agricultural prices, their importance and fluctuations | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Record numbers | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | Supply of agricultural crops | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding | Demand for agricultural crops and its types and flexibility | theoretically Practical | Examination, reporting |

| | Skill for the subject | vocabulary Subject |
|---|---|-----------------------|
| 11. Course Evaluation | | |
| Daily exam 5 marks, semester exam 40 marks, submission of report 5 marks, final exam 50 marks (total 100) | | |
| 12. Learning and Teaching Resources | | |
| Required textbooks (curricular books, if any) | | |
| Main references (sources) | 1-Dr. Abdul Wahab Matar Al-Dahri "Foundation of the Principles of Agricultural Economics" 2-D. Rahman Hassan Ali Al-Makso "Agricultural Economics"." | |
| Recommended books and references (scientific journals, reports...) | | |
| Electronic References, Websites | | |



Course Description Form

| | |
|---|---|
| 1. Course Name: | |
| Agricultural marketing | |
| 2. Course Code: | |
| | |
| 3. Semester / Year: | |
| First semester (fall)2024 | |
| 4. Description Preparation Date: | |
| 2024 | |
| 5. Available Attendance Forms: | |
| regularity (attendance) | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 75 Hour / 3.5 unit | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Mustafa Fadel hamad ag.mustafa.fodhil.hamad@uoanbar.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | <ul style="list-style-type: none">• 1- That the student knows concept of market agricultural marketing, and problems of agriculture production• 2- Introducing intermediaries their types and their role marketing• 3- Introducing markets marketing systems• 4- Statement of market activities and functions• 5- Determine the market margin and marketing efficiency• 6- The role of the state marketing and government policy in pricing. |
| 9. Teaching and Learning Strategies | |



| | |
|-----------------|---|
| Strategy | Identifying the marketing problems of establishments that manufacture a market agricultural products and agricultural inputs and the analytical tools used to solve these problems. The course focuses on the analytical methods and procedures necessary, in the short and long term, to forecast and estimate supply, demand, prices, and optimal market regulation. Course topics include the structural construction of product and input markets, and economic analysis of the structure, behavior and performance of the agricultural industry. |
|-----------------|---|

10. Course Structure

| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|------|-------|--|---|---|---------------------------|
| 1 | 5 | Knowledge and understanding Skill for the subject | Definition of agricultural marketing and some economic concepts | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Marketing objectives marketing problems | theoretically Practical vocabulary Subject | Examination, reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | Limits and frameworks analysis | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Markets and intermediaries agricultural marketing | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Market composition | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | Agricultural product price and pricing mechanism | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Marketing approaches | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | Dimensions of agricultural marketing and its justification | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Costs and risks of marketing operations | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding | Justifications and problems marketing operations | theoretically Practical | Examination, reporting |



| | | | | | |
|----|---|--|---|---|---------------------------|
| | | Skill for the subject | | vocabulary Subject | |
| 11 | 5 | Knowledge and understanding Skill for the subject | Marketing margin methods for calculating it | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Marketing efficiency | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Marketing policy | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | E-Marketing | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | The impact of government intervention and pricing po | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam 5 marks, semester exam 40 marks, submission of report 5 marks, final exam 50 marks (total 100)

12. Learning and Teaching Resources

| | |
|---|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | Principles of agricultural marketing: Author Tarawneh, Salah Youssef Principles of agricultural marketing Author: A Al-Zoubi.” |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |





Course Description Form

| | | | | | |
|--|--------------|--|---|----------------------------|--------------------------|
| 1. Course Name: | | | | | |
| Principles of Economics | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| First /2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Mustafa Fadel hamad ag.mustafa.fodhil.hamad@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | 1- The student knows the concept of economics and economic activity 2-The student understands the concept of demand, the law of demand, the concept of supply and their elasticities 3-The student knows the concept of production theory and consumer theory 4- The student should know the concept of costs, production, and the best production level 5- The student understands the meaning of revenue and its types • 6- The student should know the con of markets and their types | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | Clarifying the concept of economics, methods of economic analysis, the conc of demand, the law of demand and its elasticities, the factors affecting it, concept of supply and their elasticities, clarifying the theory of production, theory of consumer behavior, the theory of costs, the concept of revenue and types, and addressing the concept of markets, their types, and characteristics of each market | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding | The concept of economics its branches and | theoretically Practical | Examination, reporting |



| | | | | | |
|----|---|--|---|---|---------------------------|
| | | Skill for the subject | relationship to other sciences and methods of research | vocabulary Subject | |
| 2 | 5 | Knowledge and understanding Skill for the subject | The concept of economic needs and their characteristics as well as the concept of economic activities and circular flow of income | theoretically Practical vocabulary Subject | Examination, reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | Demand, its concept, function and demand curve and the exceptions to this law | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Factors affecting demand, concept of elasticity, types and degrees and uses of elasticity of demand | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Supply its concept, law, curve and schedule of supply, elasticity and the factors affecting it | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | The theory of consumer behavior and its analysis the concept of consumer equilibrium according to classical theory | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | The modern theory or theory of indifference curves | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | production factors | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Cost theory and the concept of costs of all kinds | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | The law of diminishing returns is understood and evaluated | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Revenue and its types | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Markets concept and types | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Perfectly competitive market conditions and equilibrium | theoretically Practical vocabulary Subject | Examination, reporting |

| | | | | | |
|----|---|---|--------------------------------------|--|------------------------|
| 14 | 5 | Knowledge and understanding Skill for the subject | Monopolistic competition oligopoly | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Monopoly market producer equilibrium | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam 5 marks, semester exam 40 marks, submission of report 5 marks, final exam 50 marks (total 100)

12. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | 1- Dr. Sami Al-Sayed, "Principles of Economics" 2- Dr. Abdul Karim Mahdi Al-Hasnawi, "Principles of Economics" 3- Dr. Mohsen Hassan Al-Mamouri, "Principles Economics" 4- Dr. Rania Mahmoud Abdel Aziz Amr, "Principles of Economics" |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| 1. Course Name: | | | | | |
|--|-------|--|---|----------------------------|------------------------|
| Principles of Economics | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| First /2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Mustafa Fadel hamad ag.mustafa.fodhil.hamad@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | 1- The student knows the concept of economics and economic activity 2-The student understands the concept of demand, the law of demand, the concept of supply and their elasticities 3-The student knows the concept of production theory and consumer theory 4- The student should know the concept of costs, production, and the best production level 5- The student understands the meaning of revenue and its types • 6- The student should know the con of markets and their types | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | Clarifying the concept of economics, methods of economic analysis, the conc of demand, the law of demand and its elasticities, the factors affecting it, concept of supply and their elasticities, clarifying the theory of production, theory of consumer behavior, the theory of costs, the concept of revenue and types, and addressing the concept of markets, their types, and characteristics of each market | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding | The concept of economics its branches and | theoretically Practical | Examination, reporting |



| | | | | | |
|----|---|--|---|---|---------------------------|
| | | Skill for the subject | relationship to other sciences and methods of research | vocabulary Subject | |
| 2 | 5 | Knowledge and understanding Skill for the subject | The concept of economic needs and their characteristics as well as the concept of economic activities and circular flow of income | theoretically Practical vocabulary Subject | Examination, reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | Demand, its concept, function and demand curve and the exceptions to this law | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Factors affecting demand, concept of elasticity, types and degrees and uses of elasticity of demand | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Supply its concept, law, curve and schedule of supply, elasticity and the factors affecting it | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | The theory of consumer behavior and its analysis the concept of consumer equilibrium according to classical theory | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | The modern theory or theory of indifference curves | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | production factors | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Cost theory and the concept of costs of all kinds | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | The law of diminishing returns is understood and evaluated | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Revenue and its types | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Markets concept and types | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Perfectly competitive market conditions and equilibrium | theoretically Practical vocabulary Subject | Examination, reporting |



| | | | | | |
|----|---|---|--------------------------------------|--|------------------------|
| 14 | 5 | Knowledge and understanding Skill for the subject | Monopolistic competition oligopoly | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Monopoly market producer equilibrium | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam 5 marks, semester exam 40 marks, submission of report 5 marks, final exam 50 marks (total 100)

12. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | <p>1- Dr. Sami Al-Sayed, "Principles of Economics"</p> <p>2- Dr. Abdul Karim Mahdi Al-Hasnawi, "Principles of Economics"</p> <p>3- Dr. Mohsen Hassan Al-Mamouri, "Principles Economics"</p> <p>4- Dr. Rania Mahmoud Abdel Aziz Amr, "Principles of Economics"</p> |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| | | | | | |
|---|---|--------------------------|-----------------------------|------------------------|--------------------------|
| 1. Course Name: | | | | | |
| Principal of Agricultural Economics | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| Second | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2023-2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| Weekly | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75/5 | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Niam Abdulhameed Fawaz | | | | | |
| Email: ag.namabdulhameed@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | 1- Understanding the distinctive characteristics of agricultural activity 2 - Understanding the relationship between resources and production in agricultural activity. 3 - Understand what is meant by the demand for agricultural commodities and the general level of prices 4 - Understand the meaning of displaying agricultural crops | | | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | A- Knowledge and understanding 1- The student should know the role of the agricultural sector in economic activity 2- The student understands the characteristics that distinguish the agricultural sector 3- Know the importance of agricultural pricing of products B- Subject-specific skills 1- Enabling the student to acquire the skill to link current economic events to what he is studying and to try to understand the functioning of the market and the macroeconomic policy | | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning | Unit or subject name | Learning method | Evaluation method |
| | | | | | |



| | | Outcomes | | | |
|----------|---|--|--------------------------------------|--------------------|--|
| First | 5 | The concept of agricultural economics, agriculture and its characteristics | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Second | 5 | Agricultural systems, agricultural technology, the importance of agricultural activity and its role in economic activity | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Third | 5 | The role of agriculture in building the economic structure, agricultural costs and their types | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Fourth | 5 | Agricultural income, its concept and estimation methods | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Fifth | 5 | Economics of agricultural production, its objectives and factors of production | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Sixth | 5 | Factors affecting agricultural production | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Seventh | 5 | Production function and its assumptions | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Eighth | 5 | The law of diminishing returns and its assumptions | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Ninth | 5 | Land economics and agricultural land uses | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| tenth | 5 | Land characteristics and types of land rent | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| eleventh | 5 | The workforce in the agricultural sector | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |



| | | | | | |
|------------|---|--|--------------------------------------|--------------------|--|
| Twelfth | 5 | Agricultural prices, their importance and fluctuations | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Thirteenth | 5 | Record numbers | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Fourteenth | 5 | Supply of agricultural crops | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |
| Fifteenth | 5 | Demand for agricultural crops, its types and flexibility | Principles of Agricultural Economics | Discussion lecture | Daily oral sometimes written questions |

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books any) | |
| Main references (sources) | 1-Dr. Abdul Wahab Matar Al-Dahri "Foundations of the Principles of Agricultural Economics" 2-D. Rahman Hassan Ali Al-Maksousi "Agricultural Economics" |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |





Course Description Form

| 1. Course Name: Animal Nutrition / Practical part | | | | | |
|--|-------|---|---|-----------------|-------------------|
| 2. Course Code: | | | | | |
| 3. Semester / Year: Autumn semester | | | | | |
| 4. Description Preparation Date: 2023 / 2024 | | | | | |
| 5. Available Attendance Forms: Presence | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) ; 30 hours / 3.5 units | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Sawsan Sabir Khalifa | | | | | |
| Email: ag.sawsan.s.k@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | | | |
| | | | 1- How to take a representative sample of the feed material. 2-Chemical analysis of feed materials. 3-Operating modern tools and devices used in the field of feed material analysis. | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | | | | |
| | | Giving scientific and theoretical lectures and using the laboratory to train students . | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | | | method of taking a representative sample of the substance, | Presence | The exam |



| | | | | | |
|----|--|---|---|----------|----------|
| | | Learn how to take a representative Sample | Preparing the sample for chemical analysis | | |
| 2 | | And prepare it for chemical analysis | Estimating the moisture content and dry matter percentage | Presence | The exam |
| 3 | | Then conduct | Determination of ash and organic matter | Presence | The exam |
| 4 | | chemical analyzes to | Monthly exam | Presence | |
| 5 | | estimate Nutrient | Estimation of fat | Presence | The exam |
| 6 | | elements using | Estimation of fat | Presence | The exam |
| 7 | | laboratory devices | Estimation of crude fibres | Presence | The exam |
| 8 | | and tools | Van Soest method for fibers | Presence | The exam |
| 9 | | | Monthly exam | Presence | |
| 10 | | | Nitrogen determination | Presence | The exam |
| 11 | | | Nitrogen determination | Presence | The exam |
| 12 | | | Methods for measuring digestibility coefficient | Presence | The exam |
| 13 | | | Digestion in animals | Presence | The exam |
| 14 | | | Monthly exam | Presence | |

11. Course Evaluation

Through daily and monthly exams, homework, oral exams, attendance, and various activities

12. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | Animal nutrition translated by Dr. Ahmed Al-Hajj Taha Saleh and Dr. Atallah Saeed and Dr. Muhammad Ramzi Taqah. 1981 |
| Main references (sources) | Animal nutrition , McDonald Edwards , Greenhaigh 2002 |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Sawsan Sabir Khalifa





Course Description Form

| 1. Course Name: | | | | | |
|---|-------|---|--|---|---------------------------|
| Economic mathematics | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| Second semester (fall)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Majid Abed Hamza Email: majid.abed@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | Learn about Economic mathematics. Introducing the content of Econo mathematics. Clarifying the role of Econo mathematics. | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | A theoretical clarification of the vocabulary of the subject, using da to understand the scientific subject Using graphs in scientific material, student participation in lecture Conduct daily and monthly tests. | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skill for the subject | Function, its definition types - the graph of function | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Continuation of the prev topic | theoretically Practical vocabulary Subject | Examination, reporting |



| | | | | | |
|----|---|---|---|---|---------------------------|
| 3 | 5 | Knowledge and understanding Skill for the subject | Derivative - examples derivatives | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Continuation of the previous topic | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Economic functions | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | The use of derivatives economics | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Examples of economic functions and their derivatives | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | Maximizing and minimizing functions | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Continuation of the previous topic | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Partial first, second and third derivatives | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Total differentiation and partial differentiation | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Price elasticity, price elasticity of demand - price elasticity of supply | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Types of demand elasticities, price - transit - income | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding | Prices monopolistic | theoretically Practical | Examination, reporting |

| | | | | | |
|--|---|--|--|---|---------------------------|
| | | Skill for the subject | competition in short-and long-run. | vocabulary Subject | |
| 15 | 5 | Knowledge and understanding Skill for the subject | Exam 2 | theoretically Practical vocabulary Subject | Examination, reporting |
| 11. Course Evaluation | | | | | |
| Daily exam 5, submission of reports 5, semester exam 40, final exam 50 (total score 100) | | | | | |
| 12. Learning and Teaching Resources | | | | | |
| Required textbooks (curricular books, if any) | | | | | |
| Main references (sources) | | | Lectures Mathematical Economics (by Professor Dr. Ali Darb Kassar) Mathematical Economics (by Professor Dr. Hussein Bakhit) Economic mathematics book in English Online lectures | | |
| Recommended books and references (scientific journals, reports...) | | | | | |
| Electronic References, Websites | | | | | |



Course Description Form

| 1. Course Name: Principle of Statistics | | | | | |
|---|-------|--|--|-----------------|-------------------|
| 2. Course Code: | | | | | |
| 3. Semester / Year: Autumn/ Fourth | | | | | |
| 4. Description Preparation Date: 15/9/2023 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 / 3.5 | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Mishal Abid Khalaf | | | | | |
| Email: g.mishal.abid@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | data and methods of collecting, classifying, describing, analyzing, and extracting results from them | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | Teaching students methods of collecting data and methods of presenting it Teaching students methods for estimating descriptive scales Teaching students the types of distributions and testing hypotheses related to phenomena | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning | Unit or subject name | Learning method | Evaluation method |



| | | Outcomes | | | |
|---|---|---|---|-----------------------------|-------------|
| 1 | 4 | Knowledge of statistics and its functions | Definition of statistics and its relationship to other sciences | Presentation and discussion | daily tests |
| 2 | 4 | Identify the types of variables | Statistical variables and symbols | Presentation and discussion | daily tests |
| 3 | 4 | Learn about data collection methods | Data collection | Presentation and discussion | daily tests |
| 4 | 4 | Learn about display and tabulation | Tab and display data | Presentation and discussion | daily tests |
| 5 | 4 | Estimating measures of central tendency | Measures of central tendency for primary data | Presentation and discussion | daily tests |
| 6 | 4 | Calculate measures of central tendency | Measures of central tendency for classified data | Presentation and discussion | daily tests |
| 7 | 4 | Calculating | Measures of | Presentation and | daily tests |



| | | | | | |
|----|---|--|------------------------------------|-----------------------------------|--------------|
| | | dispersion measures | dispersion | discussion | |
| 8 | 4 | First test | Exam monthly | | monthly test |
| 9 | 4 | Calculating relative dispersion measures | Measures of relative dispersion | Presentation and discussion | daily tests |
| 10 | 4 | Calculating measures of skwwenses and kuartis | Skwenses and kuartis | Presentation and discussion | daily tests |
| 11 | 4 | Calculating probabilities | probability theory | Presentation and discussion | daily tests |
| 12 | 4 | Calculating probabilities in discrete distributions | Discrete distributions | Presentation and discussion | daily tests |
| 13 | 4 | Second exam | Second test | Presentation and discussion | daily tests |
| 14 | 4 | probability distributions | continuose brobability | Presentation and discussion | daily tests |



| | | | | | |
|----|---|-----------------|------------|-----------------------------|--------------|
| 15 | 4 | test hypotheses | hypothesis | Presentation and discussion | monthly test |
|----|---|-----------------|------------|-----------------------------|--------------|

11. Course Evaluation

The course is evaluated through its outcomes, which can be observed as students progress in learning the course, as well as through what graduates of the program are able to use what is included in the course in performing tasks that require collecting, describing, and analyzing data.

12. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | <p>1 - Khasi Al-Rawi, Principles of Statistics</p> <p>2- Muhammad Alaa El-Din, Principles of the Statistical Method</p> <p>Methods, first edition, 2011</p> |
| Recommended books and references (scientific journals, reports...) | <p>Introduction to statistics By Mikki Hebi and others ,,</p> <p>Koone HON , An introduction statistics</p> |
| Electronic References, Websites | <p>The electronic library of the Department of Agricultural Economics</p> |



Course Description Form

| | |
|---|---|
| 1. Course Name: | |
| Principal of Economics | |
| 2. Course Code: | |
| | |
| 3. Semester / Year: | |
| First | |
| 4. Description Preparation Date: | |
| 2023-2024 | |
| 5. Available Attendance Forms: | |
| | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 75/5 | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: Niam Abdulhameed Fawaz | |
| Email: ag.namabdulhameed@uoanbar.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | 1- The student knows the concept of economics and economic activity 2-The student understands the concept of demand, the law of demand, the concept of supply and their elasticities 3-The student knows the concept of production theory and consumer theory 4- The student should know the concept of costs, production, and the best production level 5- The student understands the meaning of revenue and its types 6- The student should know the concept of markets and their types |
| 9. Teaching and Learning Strategies | |
| Strategy | A - knowledge and understanding 1- That the student knows the economy and economic activity 2- Understands the concept of demand and the concept of supply and their elasticities 3- The student knows the concept of producer behavior theory and consumer behavior theory 4- That the student knows costs, production and the best level of productivity 5- The student knows the national income, investment, consumption and saving 6- The student knows inflation and unemployment B- Subject-specific skills |



- 1- Developing the student's intellectual and practical skill in understanding the mechanism of the economy through supply and demand, the concept of determining price and markets, as well as the concept of economic problems
- 2- Enable the student to acquire a skill to link current economic events with what he is studying and try to understand the work of the market and the state's economic policy

10. Course Structure

| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|--------|-------|--|----------------------|--------------------|--|
| First | 5 | The concept of economics and its branches and its relationship to other sciences and methods of research | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Second | 5 | The concept of economic needs and their characteristics, as well as the concept of economic activities and the circular flow of income | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Third | 5 | Demand, its concept, law, function and demand curve, and the exceptions to this law | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Fourth | 5 | Factors affecting demand, the concept of elasticity, types, degrees and uses of elasticities of demand | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Fifth | 5 | Supply its concept, law, curve and schedule of supply, its elasticity and the factors affecting it | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Sixth | 5 | The theory of | Principles | Discussion | Daily oral |



| | | | | | |
|------------|---|--|----------------------|--------------------|--|
| | | consumer behavior and its analysis and the concept of consumer equilibrium according to the classical theory | Economics | lecture | sometimes written questions |
| Seventh | 5 | The modern theory or the theory of indifference curves | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Eighth | 5 | production factors | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Ninth | 5 | Cost theory and the concept of costs of all kinds | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| tenth | 5 | The law of diminishing returns is understood and evaluated | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| eleventh | 5 | Revenue and its types | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Twelfth | 5 | Markets concept and types | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Thirteenth | 5 | Perfectly competitive market conditions and equilibrium | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Fourteenth | 5 | Monopolistic competition and oligopoly | Principles Economics | Discussion lecture | Daily oral sometimes written questions |
| Fifteenth | 5 | Monopoly market and producer equilibrium | Principles Economics | Discussion lecture | Daily oral sometimes written questions |

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books any)



| | |
|--|--|
| Main references (sources) | <p>1- Dr. Sami El-Sayed, "Principles of Economics"</p> <p>2- Dr. Abdul Karim Mahdi Al-Hasnawi, "Principles of Economics"</p> <p>3- Dr. Mohsen Hassan Al-Mamouri, "Principles of Economics"</p> <p>4- Dr. Rania Mahmoud Abdel Aziz Emara, "Principles of Economics"</p> |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| 1. Course Name: | | | | | |
|---|-------|---|--|----------------------------|------------------------|
| Natural resource economics | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| First semester 2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Eyid Abbas Abdalltef | | | | | |
| Email: ag.eyid.abbas@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | <p>A-Providing the student with an understanding of the basic principles of natural resources and the economic principles related to them.</p> <p>B - Introducing the student to the most important economic activities and functions of natural resources.</p> <p>C- Introducing the most important types of natural resources and their classifications</p> <p>D- Defining the supply and demand for natural resources and the factors affecting them.</p> <p>E - Introduce the student to the economic controls for the exploitation of natural res</p> | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | <p>A theoretical clarification of the vocabulary of the subject, using data to understand the scientific subject</p> <p>Using graphs in scientific material, student participation in lecture</p> <p>Conduct daily and monthly tests.</p> | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding | Introduction to the economic natural resources | theoretically Practical | Examination, reporting |



| | | | | | |
|----|---|--|---|---|---------------------------|
| | | Skill for the subject | | vocabulary Subject | |
| 2 | 5 | Knowledge and understanding Skill for the subject | Definition and concept of natural resources and their classification | theoretically Practical vocabulary Subject | Examination, reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | The relationship of natural resources to the economy | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Economic controls for exploitation of natural resources | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Land resource economics its main problems | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | The demand for land resources and the factors affecting it | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Exam | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | Supply of land resources and the factors affecting it | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Division of land resources and economic distribution of agricultural ones | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Agricultural tenure, its types and characteristics | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Agricultural land resources in Iraq | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Water resources – demand and supply | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Conservation of natural resources | theoretically Practical vocabulary Subject | Examination, reporting |

| | | | | | |
|----|---|--|--|---|---------------------------|
| 14 | 5 | Knowledge and understanding Skill for the subject | Oil resources – demand and supply and the factors affecting them | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Exam | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam(5), submission of reports(15), semester exam(30), final exam(50)
(total score 100)

12. Learning and Teaching Resources

| | |
|---|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | Natural Resource Economics – Dr. Hashem Alwan Hussein – University of Baghdad _College of Administration and Economics- 1998. |
| Recommended books and references (scientific journals, reports...) | Dr. Abd al-Khaliq Muhammad Abdi, Land Economics and Agrarian .Reform, Salman Al-Azami Press 1990 * **Dr. Hamad bin Muhammad Al-Sheikh, Economics of Na Resources and the Environment, Obeikan Publishing House, Ri 2018 |
| Electronic References, Websites | https://www.scribd.com/document/371708428/ |



Course Description Form

| | |
|---|--|
| 1. Course Name: | |
| Agricultural Statistics | |
| 2. Course Code: | |
| | |
| 3. Semester / Year: | |
| Second semester 2024 | |
| 4. Description Preparation Date: | |
| 2024 | |
| 5. Available Attendance Forms: | |
| regularity (attendance) | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 75 Hour / 3.5 unit | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: Eyid Abbas Abdalltef Email: ag.eyid.abbas@uoanbar.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | A - Providing the student with the concept of the basic principles of agricultural statistics and the related economic principles. B - Introducing the student to the most important economic activities and functions required by agricultural statistics standards. C - Introducing the most important measures of agricultural statistics and methods of calculating them. D - Introducing the statistical and standard criteria and the foundations adopted by the agricultural census in the census operations. E - Introducing the student to agricultural statistical methods related to agricultural production. |
| 9. Teaching and Learning Strategies | |
| Strategy | A theoretical clarification of the vocabulary of the subject, using data to understand the scientific subject Using graphs in scientific material, student participation in lecture Conduct daily and monthly tests. |
| 10. Course Structure | |



| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|------|-------|--|---|---|---------------------------|
| 1 | 5 | Knowledge and understanding Skill for the subject | basics of agricultural statistics | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Agricultural censuses their concept | theoretically Practical vocabulary Subject | Examination, reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | Time series 1 Methods estimating general trend | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Time series 2 Changes fluctuations and estimation | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Standard Numbers 1 Types and Methods of Measurement | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | Weighted non-standard numbers | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Exam | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | Land Statistics 1/ The concept and indicators of agricultural production statistics | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Land Statistics 2/ In-kind cash estimates | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Analysis of the change in agricultural production and the factors affecting it | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Labor statistics 1/ workers statistics, installation and movement of labor | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Labor Statistics 2/ Statistics of work time, productivity and wages | theoretically Practical vocabulary | Examination, reporting |



| | | | | | |
|----|---|---|--|---|---------------------------|
| | | | | Subject | |
| 13 | 5 | Knowledge and understanding Skill for the subject | Agricultural Statistics in Iraq | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | Agricultural Statistics in Iraq 2 Conditions and data to be provided and their development | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Exam | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam(10), submission of reports(10), semester exam(30), final exam(50)
(total score 100)

12. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | Agricultural Statistics - Dr. Ali Kassar Al-Hayali -: University of Baghdad- 2013 |
| Recommended books and references (scientific journals, reports...) | Agricultural Statistics - Dr. Khalaf Abdul-Hussein and others- University of Mosul- 1980. Standard numbers - d. Khaled Zuhdi Khawaja-2015. |
| Electronic References, Websites | |





Course Description Form

| | | | | | |
|---|--------------|---|---|--|---------------------------|
| 1. Course Name: | | | | | |
| Farm management | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| Second semester 2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Eyid Abbas Abdalltef | | | | | |
| Email: ag.eyid.abbas@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | <p>A - Providing the student with the concept of the basic principles of farm management and the economic principles related to them.</p> <p>B - Introducing the student to the most important economic activities and functions required by farm management.</p> <p>C - Introducing the most important types of farms and ways to manage them.</p> <p>D - Introducing the economic criteria and foundations that the farmer adopts in his production.</p> <p>E - Introducing the student to the economic control achieve the objectives of the farm.</p> | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | <p>A theoretical clarification of the vocabulary of the subject, using data to understand the scientific subject</p> <p>Using graphs in scientific material, student participation in lecture</p> <p>Conduct daily and monthly tests.</p> | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skill for the subject | Elementary concepts management science. | theoretically Practical vocabulary | Examination, reporting |



| | | | | | |
|----|---|---|---|---|------------------------|
| | | | | Subject | |
| 2 | 5 | Knowledge and understanding Skill for the subject | An introduction to the science of farm management. | theoretically Practical vocabulary Subject | Examination, reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | Scientific research tools farm management. | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | production costs. | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | The principle of assigning best level for production. | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | The principle of equal marginal returns. | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Exam. | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | The principle of opportunity costs. | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | substitution principle. | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Measures of economic efficiency on the farm. | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Depreciation and calculation methods. | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | Factors that cause managerial ability. | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Farm management methods substitution method. | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge | Farm management methods | theoretically | Examination, |

| | | | | | |
|----|---|---|---------------------------|--|------------------------|
| | | and understanding Skill for the subject | direct comparison method. | Practical vocabulary Subject | reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Exam. | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam(5), submission of reports(10), semester exam(35), final exam(50)
(total score 100)

12. Learning and Teaching Resources

| | |
|---|--|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | Farm Management - Dr. Hashem Alwan Hussein University of Baghdad-1998. |
| Recommended books and references (scientific journals, reports...) | *Lectures of Dr. Iskandar Hussein / College of Agriculture, University of Baghdad, published- 2015 |
| Electronic References, Websites | |



Course Description Form

| | |
|---|---|
| 1. Course Name: | |
| Agricultural funding and credit | |
| 2. Course Code: | |
| AE193403 | |
| 3. Semester / Year: | |
| First | |
| 4. Description Preparation Date: | |
| 2023-2024 | |
| 5. Available Attendance Forms: | |
| Weekly | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 75/5 | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: Niam Abdulhameed Fawaz Email: ag.namabdulhameed@uoanbar.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | Introduce the student to the concept of credit and funding and the importance of this in revitalizing agricultural economic activity and then achieving economic development. As well as enabling the student to link between macro and micro economic variables and how each economic activity affects the macro level, thus giving space for his idea to acquire mental skills, which develops his ability to think and create |
| 9. Teaching and Learning Strategies | |
| Strategy | A - knowledge and understanding 1.The student knows the concept of finance 2. Understand the functions of finance and its impact on agricultural economic activity 3.The student knows the concept of credit, its functions and objectives 4. The student knows the types of agricultural loans and advances 5 .The student knows the mechanism of suppling and demanding loans and the factors affecting them 6 .The student knows how to make an investment decision and the factors that govern it B- Subject-specific skills 1. Develop the student's intellectual and practical skill in understanding the banking mechanism 2.Enabling the student to acquire a skill that will enable him to create his own project in the future |
| 10. Course Structure | |



| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|---------|-------|----------------------------|---|--------------------|--|
| First | 5 | Funding and Credit | The student knows the concept of agricultural funding and the objectives and sources of finance | Discus and lecture | Daily oral sometimes written questions |
| Second | 5 | Funding and Credit | The student understands the concept of credit, its objectives and its sources | Discus and lecture | Daily oral sometimes written questions |
| Third | 5 | Funding and Credit | That the student knows the most important credit tools and guarantees that are required to be available and the factors that lead to the expansion of this activity | Discus and lecture | Daily oral sometimes written questions |
| Fourth | 5 | Funding and Credit | That the student knows the types of agricultural loans, the mechanism of their division, and the conditions for this division | Discus and lecture | Daily oral sometimes written questions |
| Fifth | 5 | Funding and Credit | The student's knowledge of the concept of capital and its divisions and the concept of capital formation | Discus and lecture | Daily oral sometimes written questions |
| Sixth | 5 | Funding and Credit | The student's knowledge of the concept of the investment decision and the factors affecting it, which are the interest rate and the marginal sufficiency of capital | Discus and lecture | Daily oral sometimes written questions |
| Seventh | 5 | Funding and Credit | The student's knowledge of the concept of the interest rate and the theories that dealt with its | Discus and lecture | Daily oral sometimes written questions |

| | | | | | |
|------------|---|--------------------|---|--------------------|--|
| | | | interpretation, types and the mechanism of its appreciation | | |
| Eighth | 5 | Funding and Credit | Knowing the concept of demand for loans and the factors affecting it | Discus and lecture | Daily oral sometimes written questions |
| Ninth | 5 | Funding and Credit | Studying the supply of agricultural loans and the economic effects of the agricultural credit process | Discus and lecture | Daily oral sometimes written questions |
| tenth | 5 | Funding and Credit | Knowing the concept of agricultural insurance and the principles of agricultural insurance | Discus and lecture | Daily oral sometimes written questions |
| eleventh | 5 | Funding and Credit | The agricultural insurance contract, its conditions, and the mechanism for determining insurance premiums | Discus and lecture | Daily oral sometimes written questions |
| Twelfth | 5 | Funding and Credit | Funding and credit in Iraq, sources and guarantees | Discus and lecture | Daily oral sometimes written questions |
| Thirteenth | 5 | Funding and Credit | Cooperative agricultural funding, its sources, and the most important facilities it provides in Iraq | Discus and lecture | Daily oral sometimes written questions |
| Fourteenth | 5 | Funding and Credit | Agricultural insurance in Iraq | Discus and lecture | Daily oral sometimes written questions |
| Fifteenth | 5 | Funding and Credit | Directed Credit in Iraq | Discus and lecture | Daily oral sometimes written questions |

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc



12. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books any) | |
| Main references (sources) | <p>1- Abdullah Muhammad Al-Mashhadani, "Agricultural Funding and Credit"</p> <p>2- Dr. Sobh Muhammad Ismail, d. Mahdi Moaid Al-Sultan, "The Economics of Funding and Investment"</p> <p>3- Nour Al-Din Abu Al-Rub and others, "An Introduction to the Science of Funding"</p> |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| 1. Course Name: Feed and rations / Practical part | | | | | |
|---|-------|--|--|-----------------|-------------------|
| 2. Course Code: | | | | | |
| 3. Semester / Year: Spring semester | | | | | |
| 4. Description Preparation Date: 2023 / 2024 | | | | | |
| 5. Available Attendance Forms: Presence | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total): 30 hours / 3.5 units | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Sawsan Sabir Khalifa | | | | | |
| Email: ag.sawsan.s.k@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | 1-How to design and create relationships 2-Identify the types of foodstuffs used in animal nutrition and calculate their needs according to type Age and production status. | | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | Giving scientific and theoretical lectures and using the animal field to train students | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 3 | Measure value Food | Methods for measuring nutritional value: | Presence | The exam |



| | | | | | |
|----|---|--|--|----------|----------|
| 2 | 3 | | Feeding experiments, digestion experiments, estimating the digestibility coefficient by the difference method. | Presence | The exam |
| 3 | 3 | | Methods for measuring nutritional value: Estimating the total digested nutrients, estimating the digested protein, estimating the nutritional percentage | Presence | The exam |
| 4 | 3 | | Methods for measuring nutritional value: | Presence | The exam |
| 5 | 3 | | Monthly exam | | |
| 6 | 3 | How to design And Creating relationships | Common feed materials, definition of nutritional requirements table | Presence | The exam |
| 7 | 3 | | General rules for designing rations and mixing feed materials | Presence | The exam |
| 8 | 3 | | Balancing relationships using proportions | Presence | The exam |
| 9 | 3 | | Balancing relationships using proportions | Presence | The exam |
| 10 | 3 | | Monthly exam | | |
| 11 | 3 | | Balancing relationships using the Pearson square method | Presence | The exam |
| 12 | 3 | | Balancing relationships using the Pearson square method | Presence | The exam |
| 13 | 3 | | review | Presence | The exam |
| 14 | 3 | | Monthly exam | | |

11. Course Evaluation

Through daily and monthly exams, homework, oral exams, attendance, and various activities

12. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | Feed materials production and processing 1999. a. Dr.. Khamsawi Ahmed Al-Khamsawi |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Sawsan Sabir Khalifa



Course Description Form

| | |
|---|--|
| 1. Course Name: | |
| Mathematical Economics | |
| 2. Course Code: | |
| | |
| 3. Semester / Year: | |
| second semester (Spring)2024 | |
| 4. Description Preparation Date: | |
| 2024 | |
| 5. Available Attendance Forms: | |
| regularity (attendance) | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 3 Hour (weekly) / 3.5 unit | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: Prof.Dr.Ali Darub Kassar Email: ali.darub@uoanbar.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | <p>1- Provide students' understanding of mathematics and its concepts are used in economics</p> <p>2- This course aims to teach the student how to express the relationship between economic variables quantitatively and the forms and levels of relationships between them</p> <p>3- Formulating models of micro and macroeconomic theory in a mathematical manner</p> |
| 9. Teaching and Learning Strategies | |
| Strategy | <p>A- Knowledge and Understanding The student understands how to formulate a mathematical model and what the coefficients in a mathematical relationship mean</p> <p>B- The student requires the acquisition of skills on how to analyze economic relationships mathematically</p> |



10. Course Structure

| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|------|-------|---|--|--------------------|--|
| 1 | 3 | Study the relations between mathematics and economics | Mathematics and relationship to economics | Scientific Lecture | Class attendance / discussion / report |
| 2 | 3 | Explaining the types of economic models, their components, and how to use them | Economic models | Scientific Lecture | Class attendance / discussion / report |
| 3 | 3 | Explain what equilibrium means in the economy and its types such as partial and total equilibrium | Equilibrium analysis of the economy | Scientific Lecture | Class attendance / discussion / report |
| 4 | | The first exam for the subject | | | |
| 5 | 3 | Explain how to use matrices in partial and total equilibrium analysis | Using matrices in equilibrium analysis | Scientific Lecture | Class attendance / discussion / report |
| 6 | 3 | Explain what slope and elasticity mean mathematically and then explain them economically with an explanation of the types of elasticities | Slope and Elasticity | Scientific Lecture | Class attendance / discussion / report |
| 7 | 3 | Explain what decreasing and increasing functions are and their applications from an economic perspective | Economic optimization of functions with one variable | Scientific Lecture | Class attendance / discussion / report |
| 8 | 3 | Explaining two-variable economic functions and their applications | Economic optimization of functions of multiple variables (One) | Scientific Lecture | Class attendance / discussion / report |
| 9 | 3 | Explaining two-variable economic functions and their applications | Economic optimization of functions of multiple variables (Two) | Scientific Lecture | Class attendance / discussion / report |
| 10 | | The second exam for the subject | | | |
| 11 | 3 | Explaining production functions, their types | Production functions | Scientific Lecture | Class attendance / discussion / report |



| | | | | | |
|----|---|---|---|--------------------|--|
| | | divisions, and uses | | | |
| 12 | 3 | Explaining the concept of integration, its types and uses, along with explanation of continuous and discrete dynamic analysis | Dynamic analysis of relationship between economic variables (I One) | Scientific Lecture | Class attendance / discussion / report |
| 13 | 3 | Explaining the concept of integration, its types and uses, along with explanation of continuous and discrete dynamic | Dynamic analysis of relationship between economic variables (I Two) | Scientific Lecture | Class attendance / discussion / report |
| 14 | 3 | Explain the concept of the product input-output model and applications | Input-Output Model | Scientific lecture | Class attendance / discussion / report |
| 15 | 3 | Explaining linear programming methods and their assumptions and conditions | Linear programming | Scientific lecture | Class attendance / discussion / report |

11. Course Evaluation

Daily exam 5 marks, semester exam 45 marks, final exam 50 marks (total 100)

12. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | Mathematical Economics Prof.Dr Ali Darub Kassar |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| 1. Course Name: Principle of Accounting | | | | | |
|---|-------|--|---|----------|------------|
| 2. Course Code: | | | | | |
| 3. Semester / Year: Autumn/ Fourth | | | | | |
| 4. Description Preparation Date:15/9/2023 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 /3.5 | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Mishal Abid Khalaf | | | | | |
| Email: ag.mishal.abid@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | Teaching students how to register and tabulate events of a financial nature, how to analyze their results, and maintain a legal register for legal work | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | Teaching students the basics of registering events of a financial nature | | | |
| | | Teaching students how to keep records, register in them, and deal with errors that may occur | | | |
| | | Teaching students to prepare final accounts and extract work results | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required | Unit or subject | Learning | Evaluation |



| | | Learning Outcomes | name | method | method |
|----|---------|--------------------------------------|--|---------------------------|-----------------------|
| 1 | 4 hours | Accounting concept | Accounting concept and objectives | Presentation and dialogue | Sharing and reporting |
| 2 | 4 hours | Accounting and other sciences | The relationship of accounting and other sciences and the tasks of its employees | Presentation and dialogue | Sharing and reporting |
| 3 | 4 hours | Recording the event | Methods of recording financial events | Presentation and dialogue | Sharing and reporting |
| 4 | 4 hours | What is cycle accounting | Accounting cycle and records illusion | Presentation and dialogue | Sharing and reporting |
| 5 | 4 hours | Capital operation | Fundamentals of capital operations registration | Presentation and dialogue | Sharing and reporting |
| 6 | 4 hours | Revenue transactions | Basics of recording the revenue transactions | Presentation and dialogue | Sharing and reporting |
| 7 | 4 hours | | Exam | | monthly test |
| 8 | 4 hours | Recording the cash operation | Cash and commercial paper operations | Presentation and dialogue | Sharing and reporting |
| 9 | 4 hours | Recording the commercial paper event | Ways of dispose of commercial papers | Presentation and dialogue | Sharing and reporting |
| 10 | 4 hours | Professors record | Posting to the professors record | Presentation and dialogue | Sharing and reporting |
| 11 | 4 hours | Trial balance | Prepare trial balance and | Presentation and dialogue | Sharing and reporting |
| 12 | 4 hours | The mistakes in records | correct mistakes | Presentation and dialogue | Sharing and reporting |



| | | | | | |
|----|------------|----------------|------------------------------|------------------------------|--------------------------|
| 13 | 4 hours | Final accounts | Preparing final accounts | Presentation and dialogue | Sharing and reporting |
| 14 | 4 hours | | Exam | | monthly test |
| 15 | 4 hours | Global budget | Balance sheet preparation | Presentation and dialogue | Sharing and reporting |

11. Course Evaluation

The course is evaluated through its outcomes, which can be observed as students progress in learning the course, as well as through what program graduates are able to use what is included in the course in performing tasks that require understanding the principles of registration and applying them to practical exercises and preparing final accounts.

12. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | <p>1- Miqdad et al., Accounting, second edition, University of Mosul, 2000</p> <p>2- Shehata et al., Principles of Financial Accounting, Alexandria University, 2018.</p> |
| Recommended books and references (scientific journals, reports...) | <p>1- Al-Nimri et al., Principles of Accounting, King Bin Abdulaziz University, 2011</p> <p>2- Al-Kubaisi, Abdel Sattar, Al-Shamil fi Principles of Accounting, Baghdad, 2008</p> |
| Electronic References, Websites | The electronic library of the Department of Agricultural Economics |





Course Description Form

| |
|---|
| 1. Course Name: |
| Agricultural planning |
| 2. Course Code: |
| |
| 3. Semester / Year: |
| Second semester (spring semester)/ 2024 |
| 4. Description Preparation Date: |
| 2024 |
| 5. Available Attendance Forms: |
| Regular attendance |
| 6. Number of Credit Hours (Total) / Number of Units (Total) |
| 30 hours / 3.5 units |
| 7. Course administrator's name (mention all, if more than one name) |
| Name: Saad A. Hammad Email: den.saad.abd@uoanbar.edu.iq |

| | |
|-----------------------------|--|
| 8. Course Objectives | |
| Course Objectives | Define what economic planning for the agricultural sector is, and how to develop it Foundations of construction, explaining the stages of construction preparation, implementation, monitoring and evaluation, printed Juice for agricultural juice planning |

| | |
|--|--|
| 9. Teaching and Learning Strategies | |
| Strategy | Learn vocabulary knowledge for the lesson. Her own skill Scientific methods for agricultural planning. To listen to Newcomers. |

| 10. Course Structure | | | | | |
|-----------------------------|-------|--|----------------------------------|---|-----------------------------------|
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Ability to formulate Economic plan For the agricultural sector | What is economic planning | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 2 | 2 | Ability to formulate | History of planning, motivations | A theoretical and applied presentation | Exam, report, |



| | | | | | |
|----|---|---|---|---|---|
| | | Economic plan For the agricultural sector | planning | the agricultural economic planning process | economic laboratory |
| 3 | 2 | Ability to formulate Economic plan For the agricultural sector | Stages of the planning process 1 | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 4 | 2 | Ability to formulate Economic plan For the agricultural sector | Planning process stage 2 | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 5 | 2 | Ability to formulate Economic plan For the agricultural sector | Types of planning | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 6 | 2 | Ability to formulate Economic plan For the agricultural sector | Planning some economic variables | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 7 | 2 | Ability to formulate Economic plan For the agricultural sector | Types of agricultural plans | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 8 | 2 | Ability to formulate Economic plan For the agricultural sector | The general framework of the agricultural plan | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 9 | 2 | Ability to formulate Economic plan For the agricultural sector | Agricultural planning methods and procedures | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 10 | 2 | Ability to formulate Economic plan For the agricultural sector | Steps and methods developing an agricultural production plan | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 11 | 2 | Ability to formulate Economic plan For the agricultural sector | Agricultural investment planning | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 12 | 2 | Ability to formulate Economic plan For the agricultural sector | Investment planning at farm level | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 13 | 2 | Ability to formulate Economic plan For the agricultural sector | Agricultural production planning at the farm level | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 14 | 2 | Ability to formulate Economic plan For the agricultural sector | International experiences in planning | A theoretical and applied presentation the agricultural economic planning process | Exam, report, economic laboratory |
| 15 | 2 | Ability to formulate Economic plan For the | Exam | A theoretical and applied presentation the agricultural economic planning | Exam, report, economic laboratory |



| | | | | |
|---|---------------------|---|---------|--|
| | agricultural sector | | process | |
| 11. Course Evaluation | | | | |
| Daily exam 5 marks, semester exam 40 marks, submission of report 5 marks, final exam 50 marks (total 100) | | | | |
| 12. Learning and Teaching Resources | | | | |
| Required textbooks (curricular books, if any) | | Dr. Salem Tawfiq Al-Najafi, agricultural planning (Agricultural development planning and policies), Ministry of Higher Education and Scientific Research, University of Mosul , 1989. | | |
| Main references (sources) | | Dr. Jamal Daoud Suleiman, Theory and Experiments of Economic Planning, Ministry of Higher Education and Scientific Research, University of Mosul, 2000. | | |
| Recommended books and references (scientific journals, reports...) | | | | |
| Electronic References, Websites | | | | |



Course Description Form

| | | | | | |
|---|--------------|--|--|-----------------|-------------------|
| 1. Course Name: | | | | | |
| Agricultural extension | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| First semester (autumnal)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: msc.Othman Mustafa Abdmajeed Email: Othman.mustafa@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | 1- Preparing and graduating a specialized agricultural s to manage animal projects 2 - Conducting applied scientific research aimed at solv the problems encountered in the production process and developing the means production used. 3- The ability to develop new methods, tools and metho in the field of animal production. 4- The ability to design, establish and manage ani production projects. | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | A1. To familiarize the student with the concept of agricultural extension A2 . The role of agricultural extension in the agricultural sector, a the relationship of agricultural extension with other sciences A3 . Structure of agricultural extension organizations and plannin extension programs. | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning | Unit or subject | Learning | Evaluation |



| | | Outcomes | name | method | method |
|----|---|---|--|--|------------------------|
| 1 | 5 | Knowledge and understanding Skill for the subject | Agricultural Extension, Introduction, Definition | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Agricultural Extension Objectives | theoretically Practical vocabulary Subject | Examination, reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | The role of agricultural extension in rural development | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Agricultural extension site among agricultural sciences | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Communication, elements of communication, adoption | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | Change and change and the difference between them, social change and its causes | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Guidance education theories, adult education, adult characteristics | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | Planning indicative programs, indicative planning, principles of indicative planning | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Agricultural Extension, Introduction, Definition | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Agricultural Extension Objectives | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | The role of agricultural extension in rural development | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge | Agricultural extension | theoretically | Examination, |



| | | | | | |
|----|---|---|---|--|------------------------|
| | | and understanding Skill for the subject | site among agricultural sciences | Practical vocabulary Subject | reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Communication, elements of communication, adoption | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | Change and change and the difference between them, social change and its causes | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Guidance education theories, adult education, adult characteristics | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam, submission of reports, semester exam, final exam (total score 100)

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

1 - Al-Samarrai and Al-Jadri, Abdullah Ahmed
and Adnan Hussein. 1990,
Agricultural
Extension Science, University of
Baghdad.
2- Al-Laila and Othman, Zaki Hassan
and Samir
Abdel-Azim. 1987. Principles of
Agricultural
Guidance, University of Mosul

Recommended books and references
(scientific journals, reports...)

Electronic References, Websites



Course Description Form

| 1. Course Name: | | | | | |
|---|-------|---|---|---|---------------------------|
| Foreign Trade | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| First semester (fall)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Saad A. Hammad Email: den.saad.abd@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | Learn about foreign trade. Introducing the content of foreign trade Theories. Clarifying the role of economic policies foreign trade. | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | A theoretical clarification of the vocabulary of the subject, using data to understand the scientific subject Using graphs in scientific material, student participation in lectures Conduct daily and monthly tests. | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skill for the subject | The nature of foreign trade | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Foreign trade accounts | theoretically Practical vocabulary | Examination, reporting |



| | | | | Subject | |
|----|---|---|---|---|---------------------------|
| 3 | 5 | Knowledge and understanding Skill for the subject | Foreign trade theories | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Modern traditional foreign trade theories | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Trade policy | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | exchange rate | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Exchange rate systems | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | WTO | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | The Agreement on Agriculture under the World Trade Organization | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | Balance of Payments | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Methods of correcting the balance of payments | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | International economic blocs | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | Foreign trade planning | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | Iraq's foreign trade | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge | Exam | theoretically | Examination, |



| | | | | |
|---|---|---|------------------------------|-----------|
| | and understanding Skill for the subject | | Practical vocabulary Subject | reporting |
| 11. Course Evaluation | | | | |
| Daily exam 5 marks, semester exam 40 marks, submission of report 5 marks, final exam 50 marks (total 100) | | | | |
| 12. Learning and Teaching Resources | | | | |
| Required textbooks (curricular books, if any) | | | | |
| Main references (sources) | | Dr. Saad .Hammad, foreign trade (Macroeconomic applications). 2023. Dr. Mahmoud Hamed Mahmoud. Economics of foreign trade. 2017 Dr.Ghazi Al-Taie. International economics book. 1999. | | |
| Recommended books and references (scientific journals, reports...) | | | | |
| Electronic References, Websites | | | | |



Course Description Form

| | |
|---|---|
| 1. Course Name: | |
| Operation research | |
| 2. Course Code: | |
| | |
| 3. Semester / Year: | |
| second semester (spring | |
| 4. Description Preparation Date: | |
| 2024 | |
| 5. Available Attendance Forms: | |
| regularity (attendance) | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 5 Hour / 3.5 unit | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: Prof.Dr.Ali Darub Kassar Email: ali.darub@uoanbar.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | <p>1 - Providing the student with basic knowledge and economic principles of operations research.</p> <p>2- Providing the student with information about the concept of linear programming.</p> <p>3- Benefiting from the general concepts of operations research in practical life</p> <p>4 - Reaching the optimal method for managing farms and markets and knowing how to control the type of crop grown and marketing it to reach Community well-being.</p> |
| 9. Teaching and Learning Strategies | |
| Strategy | <p>A - Knowledge and understanding of</p> <p>1 - Knowing the most important concepts of operations research.</p> <p>2 - Identify the most important concepts of operations research, as it is one of the important branches of public economics.</p> <p>3 - Teaching students how to benefit from previous concepts on t</p> |



actual reality of the life of the individual and society as a consumer

10. Course Structure

| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|------|------------|---|--|--------------------|---|
| 1 | 5 | Explain the concepts and definitions of operations research | Operations research concepts and definitions | In-person lectures | Questions and discussions at end of the lecture |
| 2 | 5 | Explain the concepts and definitions of operations research | Operations research concepts and definitions | In-person lectures | Questions and discussions at end of the lecture |
| 3 | 5 | The topic of linear programming, especially the graphical method, because it is the first stage of analysis | Definition of linear programming and graphical method | In-person lectures | Review with students in the form of questions and answers |
| 4 | 5 | The topic of linear programming, especially the graphical method, because it is the first stage of analysis | Definition of linear programming and graphical method | In-person lectures | Review with students in the form of questions and answers |
| 5 | First exam | | | | |
| 6 | 5 | Explaining the simplex method and how to reach the optimal solution | Simplex method for solving linear programming problems | In-person lectures | Solve exercises and homework |
| 7 | 5 | Explaining the simplex method and how to reach optimal solution | Simplex method for solving linear programming problems | In-person lectures | Solve exercises and homework |
| 8 | 5 | Explaining the simplex method and how to reach optimal solution | Simplex method for solving linear programming problems | In-person lectures | Solve exercises and homework |
| 9 | 5 | Explaining the simplex method and how to reach optimal solution | Simplex method for solving linear programming problems | In-person lectures | Solve exercises and homework |
| 10 | 5 | Explaining the big M method and how to reach the optimal solution | Big M method | In-person lectures | Solve exercises and homework |
| 11 | 5 | Explaining the big M method and how to reach the optimal solution | Big M method | In-person lectures | Solve exercises and homework |
| 13 | 5 | Explaining the theory of Dual Model, which is the corresponding part of the optimal solution method for maximizing revenues | theory of the Dual Model | In-person lectures | Solve exercises and homework |
| 14 | 5 | Addressing transportation problems, the first of which is the northwest method | northwest method | In-person lectures | Solve exercises and homework |
| 15 | 5 | Vogel's methods | Vogel's methods | In-person lectures | Solve exercises and homework |

11. Course Evaluation

Daily exam 5 marks, semester exam 40 marks, submission of report 5 marks, final exam 50 marks (total 100)

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)



| | |
|--|--|
| Main references (sources) | Various sources of operations research books |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| 1. Course Name: | | | | | |
|---|-------|---|--|--------------------|--------------------------------------|
| Agricultural Policy | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| First semester (fall)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 3 Hour(weekly) / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Prof.Dr.Ali Darub Kassar Email: ali.darub@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives: | | | The course aims to clarify the nature agricultural policies, which include a group policies, including productivity, financial marketing, and others, and explain the objectives and how to develop economic | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | - Knowledge and Understanding Clarifying the concepts of agricultural policies and the sub-policies that fall within them what are the goals pursued by the agricultural policy course Explaining the mechanism for setting agricultural policies and the sub-policies under the through illustrative examples from the ministries related to the subject of agricultural policy The most important of these ministries are the Ministry of Agriculture and the Ministry Planning. | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 3 | Teaching students nature of general economic policies | Public policy and various trends of economic policies | Scientific lecture | Class attendance discussion / report |
| 2 | 3 | Teaching students nature of agricultural | Introduction to agricultural policy | Scientific Lecture | Class attendance discussion / report |



| | | | | | |
|----|---|--|--|--------------------|--|
| | | policies and their general objectives and branches | | | |
| 3 | 3 | How to achieve agricultural policy goals | Objectives of agricultural policy and means achieving them | Scientific Lecture | Class attendance / discussion / report |
| 4 | | The first exam for the subject | | | |
| 5 | 3 | Explaining the mechanism for determining agricultural prices | Price theory and problem of farmers | Scientific Lecture | Class attendance / discussion / report |
| 6 | 3 | How to stabilize agricultural market | Means of achieving stability for farmers | Scientific Lecture | Class attendance / discussion / report |
| 7 | 3 | Explaining the nature of marketing policy and objectives | Agricultural marketing policy | Scientific Lecture | Class attendance / discussion / report |
| 8 | 3 | Teaching students objectives of agricultural foreign policy | Foreign Trade Policy (Part One) | Scientific Lecture | Class attendance / discussion / report |
| 9 | 3 | Teaching students objectives of agricultural foreign policy | Foreign Trade Policy (Part Two) | Scientific Lecture | Class attendance / discussion / report |
| 10 | | The second exam for subject | | | |
| 11 | 3 | Continuation of the first lecture | Effective protection factor for customs duties | Scientific Lecture | Class attendance / discussion / report |
| 12 | 3 | Clarifying the concept of investment and its role in agriculture | Investment Policy (Part One) | Scientific Lecture | Class attendance / discussion / report |
| 13 | 3 | Clarifying the concept of investment and its role in agriculture | Investment Policy (Part Two) | Scientific Lecture | Class attendance / discussion / report |
| 14 | 3 | The concept of taxes, insurance and the law related to them | Agricultural insurance and tax policy (Part One) | Scientific Lecture | Class attendance / discussion / report |
| 15 | 3 | The concept of taxes, insurance and the law related to them | Agricultural insurance and tax policy (Part Two) | Scientific Lecture | Class attendance / discussion / report |

11. Course Evaluation

Daily exam 5 marks, semester exam 40 marks, submission of report 5 marks, final exam 50 marks (total 100)

12. Learning and Teaching Resources

| | |
|---|---|
| Required textbooks (curricular books, if any) | 1- Agricultural Policy Book - Salem Tawfiq Al-Najafi 2- Al-Zubaie, Abdullah Ali Mudhi - Price analysis agricultural policy |
| Main references (sources) | |
| Recommended books and references | |



| | |
|-----------------------------------|--|
| (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| | | | | | |
|---|--------------|--|---|--|--------------------------|
| 1. Course Name: | | | | | |
| Microeconomic 1 | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| first semester (fall)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Majid Abed Hamza Email: majid.abed@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | Learn about economic theory. Introducing the content of economic Theories. Clarifying the role of economic theory | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | A theoretical clarification of the vocabulary of the subject, using data to understand the scientific subject Using graphs in scientific material, student participation in lecture Conduct daily and monthly tests. | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skill for the subject | Human economic characteristics, economic resource microeconomic macroeconomic | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge | Classical theory | theoretically | Examination, |



| | | | | | |
|----|---|---|---|--|------------------------|
| | | and understanding Skill for the subject | consumer equilibrium | Practical vocabulary Subject | reporting |
| 3 | 5 | Knowledge and understanding Skill for the subject | Modern theory consumer equilibrium with indifference curves derived benefit | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Consumer equilibrium using indifference curves, benefit maximization | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Individual demand curve demand schedule, exceptions to the law demand, types demand and determinants. | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | The impact of income on quantity demand Angel curve, the impact of price change quantity demand. The impact of change consumer taste demand | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Exam 1 | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | Price elasticity demand | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Income elasticity demand ,cross elasticity of demand | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | supply | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | Factors affect elasticity of supply connected composite supply demand and supply in the market price (balance of supply and demand). | theoretically Practical vocabulary Subject | Examination, reporting |



| | | | | | |
|----|---|--|---|---|---------------------------|
| 12 | 5 | Knowledge and understanding Skill for the subject | Production, product function for one factor, productivity curves, of diminishing returns, the greatest level of production, derivatives for | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | production elastic function when using more than one production, indifference curve, marginal rate of technical substitution | theoretically Practical vocabulary Subject | Examination, reporting |
| 14 | 5 | Knowledge and understanding Skill for the subject | the option of maximizing output, the fixed level of cost minimization, fixed production level | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Exam 2 | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam 5, submission of reports 5, semester exam 40, final exam 50 (total score 100)

12. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | Microeconomic theory (a. Kalifa & A. Juaada) Microeconomic theory (Henderson, James M. and E. Quandt.) |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |



Course Description Form

| | |
|---|---|
| 1. Course Name: Econometrics /1 | |
| 2. Course Code: | |
| 3. Semester / Year: Autumn/ Fourth | |
| 4. Description Preparation Date: 15/9/2023 | |
| 5. Available Attendance Forms: | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 4 /3.5 | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: Mishal Abid Khalaf Email: ag.mishal.abid@uoanbar.edu.iq | |
| 8. Course Objectives | |
| Course Objectives | <p>Teaching students the foundations of estimating agricultural economic models</p> <p>And test these estimated models</p> <p>How to read the features of economic models</p> <p>And how to use these economic models</p> |
| 9. Teaching and Learning Strategies | |
| Strategy | <p>Teaching students the basic concepts of quantitative measurement</p> <p>Economic relations and how to formulate and estimate the model</p> <p>Test it and judge its validity</p> <p>Analyzing estimated models and using them to formulate policies</p> <p>Economic or to predict the future of economic variables</p> |



| 10. Course Structure | | | | | |
|----------------------|-------|------------------------------------|---|-----------------------------|-------------------|
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 4 | Attend the lecture and participate | Definition ,scope and division of econometric | Presentation and discussion | daily tests |
| 2 | 4 | Attend the lecture and participate | Methodology of econometric research | Presentation and discussion | daily tests |
| 3 | 4 | Attend the lecture and participate | Correlation theory | Presentation and discussion | daily tests |
| 4 | 4 | Attend the lecture and participate | Partial correlation | Presentation and discussion | daily tests |
| 5 | 4 | Attend the lecture and participate | The simple linear regression model by the OLS method | Presentation and discussion | daily tests |
| 6 | 4 | Attend the lecture and participate | Assumptions of the linear stochastic regression model | Presentation and discussion | daily tests |
| 7 | 4 | Attend the lecture and participate | Estimation of the parameter model | Presentation and discussion | daily tests |
| 8 | 4 | | Exam monthly | | monthly test |
| 9 | 4 | Attend the lecture and participate | Test the model and its parameters | Presentation and discussion | daily tests |
| 10 | 4 | Attend the lecture and participate | Confidence interval of the parameter | Presentation and discussion | daily tests |
| 11 | 4 | Attend the lecture | Desirable properties of estimators | Presentation and | daily tests |



| | | | | | |
|----|---|------------------------------------|---|-----------------------------|--------------|
| | | and participate | | discussion | |
| 12 | 4 | Attend the lecture and participate | Properties of the least square estimators | Presentation and discussion | daily tests |
| 13 | 4 | Attend the lecture and participate | Model with two explanatory variable | Presentation and discussion | daily tests |
| 14 | 4 | Attend the lecture and participate | Test the model and its parameter | Presentation and discussion | daily tests |
| 15 | 4 | | Exam | | monthly test |

11. Course Evaluation

The course is evaluated through its outcomes, which can be observed as students progress in learning the course, as well as through what graduates of the program are able to use what is included in the course in performing tasks that require the use of the information provided by the course in doing so.

12. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | <p>1- Atwa, Mohamed Mahmoud, Econometrics between Theory and Practice, Mansoura University, 2003</p> <p>2- Sheikhi, Muhammad, Econometric Methods, first edition, 2011</p> <p>3- Abdul Qadir, Abdul Qadir Muhammad, Hadith in Econometrics, 2004</p> |
| Recommended books and references (scientific journals, reports...) | <p>1- Dr. Gujarat, translated by Hind Abdel Ghaffar, Econometrics, Riyadh, 2015</p> <p>2- A.Koutsoyiannis, Theory of Econometrics,</p> |



| | |
|---------------------------------|-------------------------------|
| | second edition, ELBS, 1977 |
| Electronic References, Websites | Videos shown on Misal channel |



Course Description Form

| | | | | | |
|---|--------------|--|---|---|---------------------------|
| 1. Course Name: | | | | | |
| Microeconomic 2 | | | | | |
| 2. Course Code: | | | | | |
| | | | | | |
| 3. Semester / Year: | | | | | |
| Second semester (fall)2024 | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| regularity (attendance) | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 75 Hour / 3.5 unit | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Majid Abed Hamza Email: majid.abed@uoanbar.edu.iq | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | | Learn about economic theory. Introducing the content of economic Theories. Clarifying the role of economic theory | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | A theoretical clarification of the vocabulary of the subject, using data to understand the scientific subject Using graphs in scientific material, student participation in lecture Conduct daily and monthly tests. | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 5 | Knowledge and understanding Skill for the subject | Costs and revenue generated | theoretically Practical vocabulary Subject | Examination, reporting |
| 2 | 5 | Knowledge and understanding Skill for the subject | Long-run functions, average and marginal | theoretically Practical vocabulary | Examination, reporting |



| | | | | | |
|----|---|--|--|---|---------------------------|
| | | | maximize profit | Subject | |
| 3 | 5 | Knowledge and understanding Skill for the subject | The option maximizing revenue | theoretically Practical vocabulary Subject | Examination, reporting |
| 4 | 5 | Knowledge and understanding Skill for the subject | Price theory | theoretically Practical vocabulary Subject | Examination, reporting |
| 5 | 5 | Knowledge and understanding Skill for the subject | Market competition, equilibrium, the long-term period | theoretically Practical vocabulary Subject | Examination, reporting |
| 6 | 5 | Knowledge and understanding Skill for the subject | costs change (increase fixed costs, variable costs increase), taxes on goods produced (total taxes, tax on each unit produced, taxes on profits) | theoretically Practical vocabulary Subject | Examination, reporting |
| 7 | 5 | Knowledge and understanding Skill for the subject | Exam 1 | theoretically Practical vocabulary Subject | Examination, reporting |
| 8 | 5 | Knowledge and understanding Skill for the subject | Prices under monopoly, a market balance factors under monopoly. | theoretically Practical vocabulary Subject | Examination, reporting |
| 9 | 5 | Knowledge and understanding Skill for the subject | Balance of monopoly | theoretically Practical vocabulary Subject | Examination, reporting |
| 10 | 5 | Knowledge and understanding Skill for the subject | The impact of change in demand and production (variable and fixed) and taxes on the balance of the monopoly. | theoretically Practical vocabulary Subject | Examination, reporting |
| 11 | 5 | Knowledge and understanding Skill for the subject | monopoly with multiple production units and | theoretically Practical vocabulary Subject | Examination, reporting |
| 12 | 5 | Knowledge and understanding Skill for the subject | oligopoly, monopoly, courant. | theoretically Practical vocabulary Subject | Examination, reporting |
| 13 | 5 | Knowledge and understanding Skill for the subject | prices under monopolistic groups | theoretically Practical vocabulary Subject | Examination, reporting |



| | | | | | |
|----|---|--|--|--|------------------------|
| 14 | 5 | Knowledge and understanding Skill for the subject | Prices and monopolistic competition in short-and long-run. | theoretically Practical vocabulary Subject | Examination, reporting |
| 15 | 5 | Knowledge and understanding Skill for the subject | Exam 2 | theoretically Practical vocabulary Subject | Examination, reporting |

11. Course Evaluation

Daily exam 5, submission of reports 5, semester exam 40, final exam 50 (total score 100)

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Microeconomic theory (a. Kalifa & A. Juaada)
Microeconomic theory (Henderson, James M. and E. Quandt.)

Recommended books and references
(scientific journals, reports...)

Electronic References, Websites

