

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Evaluation Authority
Department of Quality Assurance and Academic Accreditation**

Academic Program Description Form for Colleges and Institutes

University: Warith AL anbiya

Faculty/Institute: Management and Economics

Department: Oil and Gas Economics

File filling date: 19/9/2024

**: Signature
:Scientific Associate Name
:Date**

**Signature:
:Head of Department Name
: Date**

Instructor: Haider Adel Al-Saadi

Check the file before

Division of Quality Assurance and University Performance

Name of the Director of the Quality Assurance and University

Performance Division:

Date:

Signature:

Ratification of the Dean

Course Description Form

The subject is taught in Arabic

Course Description

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, proving whether he or she has made the most of the available learning opportunities. It must be linked to the description of the programme.

College of Administration and Economics / Warith Al-Anbiya University "AS"	Educational institution .1
Oil and Gas Economics	Scientific Department / .2 Center
Energy and its alternatives	Course Name/Code .3
Face-to-face attendance in the classroom	Available Attendance .4 Forms
Academic Year: 2023-2024	Semester / Year .5
90 hours theoretical	Number of Credit Hours .6 (Total)
2024 / 9 / 19	The history of preparation .7 of this description
	Course Objectives: .8

This course aims to achieve the following:

1. The student learns and gives him experience in learning about the concept of energy
2. Training and teaching the student on designing methods of preserving the environment from unclean energy pollutants and how to treat them
3. Deepening students' understanding of the concept of clean energy exploitation
4. Deepen students' understanding about the importance of innovations and modern industries created by energy
5. Learning the student and providing him with experience in the field of energy and its uses

9. Course Outcomes and Methods of Teaching, Learning and Assessment

A- Knowledge and Understanding:

1. Knowledge and understanding of energy material
2. Understand the importance of energy in the field of economics and management.
3. Know and understand the types of energy and methods of measuring them.

B. Subject-specific skills:

Highlighting practical cases from the reality of the research sample of a community.

C. Thinking skills:

The direct way of thinking based on logic in arranging and classifying ideas based on models or criteria determined in advance.

The indirect way of thinking based on the search for keys to the solutions to the problem from a set of available data and information.

D. Evaluation methods:

- 1) Written exams (2 monthly exams) (40 marks)
- 2) Oral and paper tests (daily exams) (5 marks)
- 3) Attendance, Participations and Assignments (5 marks)

Teaching and learning methods

Face-to-face lectures and group discussions

Evaluation methods

General and qualifying skills transferred (other skills related to employability and personal development)

Knowledge transferred from previous economic materials

1) Course Structure

Evaluation method	Method of education	Subject / Chapter	Required Learning Outcomes	Hours	Week
daily	Lecture	Chapter One: About Energy	A brief overview of energetics	3	1
daily	Lecture	Chapter One: Definition of Energy	Definition of energy	3	2
daily	Lecture	The importance of energy science in the field of economics and management	The importance of energy science in the field of economics and management	3	3
exam	exam	The first exam and solving the exam questions	The first exam and solving the exam questions	3	4
daily	Lecture	Energy symbol and function	Energy symbol and function	3	5
daily	Lecture	Energy Benefits	Energy Benefits	3	6
daily	Lecture	Energy Forms	Energy Forms	3	7
daily	Lecture	First exam	First exam	3	8
exam	exam	Types of energy	Types of energy	3	9
daily	Lecture	Energy sources and their types	Energy sources and their types	3	10
daily	Lecture	Renewable and non-renewable energy	Renewable and non-renewable energy	3	11
daily	Lecture	Characteristics of renewable energy	Characteristics of renewable energy	3	12
daily	Lecture	Classification of energy sources	Classification of energy sources	3	13
daily	Lecture	The role of energy in the economy	The role of energy in the economy	3	14

exam	exam	Second exam	Second exam	3	15
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2) Infrastructure	
No textbook	Required textbooks
Main references (sources)	
A. Energy: A Beginner Guide by Frederick B. Borden B. Energy: the countdown by Paul Heger	(1) الكتب والمراجع التي يوصي بيها (المجلات العلمية، التقارير.....)
	C. Electronic references, websites.....

3) Course Development Plan

Updating the course continuously in order to keep pace with developments according to an ideal study environment that seeks to advance a high level of education.

Haider Adel Al-Saadi
Teacher of energy and its alternatives
Warith Al-Anbiya University "AS"
College of Business and Economics / Department of Oil and Gas Economics
2024-2023