Course Specification

— (Bachelor)

Course Title: Principles of Microeconomics	
Course Code: 0678-101	
Program: Business Economics	
Department: Economics	
College: School of Business	
Institution: King Faisal University	
Version: 2023	
Last Revision Date: March 16, 2024	

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☒ College	☐Department	☐Track	☐Others
B.	☒ Required		☐Elective		

3. Level/year at which this course is offered: (1/ year 1)

4. Course general Description:

Principles of Microeconomics is an introductory undergraduate course that teaches the fundamentals of microeconomics. This course introduces microeconomic concepts and analysis, supply and demand analysis, theories of the firm and individual behavior, competition and monopoly, and Demand for Factors of Production.

5. Pre-requirements for this course (if any):

6. Co-requisites for this course (if any):

7. Course Main Objective(s):

The main purpose of this course is to orient students about the significant impact of Microeconomics.
Course Objectives:
• Provide an introduction to the economic way of thinking and to the economist's view of the world.
• Attempts to develop a student's ability to think analytically about the economic forces at work in society.
Students learn both a specific set of analytical tools and how to apply them to current policy issues.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100

No	Mode of Instruction	Contact Hours	Percentage
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Memorize the required theoretical background at the micro levels of the economy	Memorize the required theoretical background at the micro levels of the economy	• Lecturing • Exercises/tutorials • Directed readings • Class discussions • Assignments • Presentations • Online material • Group/Team work	• Class participation • Assignments •Essays/projects/reports writing • Quizzes • Mid-term exam(s) • End-term exam
1.2	Recognize the basic economic problem and alternative methods of dealing with the problem of scarcity	Recognize the basic economic problem and alternative methods of dealing with the problem of scarcity	• Lecturing • Exercises/tutorials • Directed readings • Class discussions • Assignments • Essay projects/reports • Presentations • Online material • Group/Team work	• Class participation • Assignments •Essays/projects/reports writing • Quizzes • Mid-term exam(s) • End-term exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
2.0	**Skills**			
2.1	Develop different techniques of economic analysis.	Develop different techniques of economic analysis.	• Lecturing • Exercises/tutorials • Directed readings • Class discussions • Assignments • Essay projects/reports • Presentations • Online material Group/Team work	• Class participation • Assignments • self-evaluations • Essays/projects/reports writing • Group/Team work • Quizzes • Mid-term exam(s) • End-term exam
2.2	Apply mathematics at the introductory levels to predict economic performance.	Apply mathematics at the introductory levels to predict economic performance.	• Lecturing • Exercises/tutorials • Directed readings • Class discussions • Assignments • Presentations • Online material Group/Team work	• Class participation • Assignments • self-evaluations • Essays/projects/reports writing • Group/Team work • Quizzes • Mid-term exam(s) • End-term exam
3.0	**Values, autonomy, and responsibility**			
3.1	Demonstrate verbal and written communication skills.	Demonstrate verbal and written communication skills.	• Lecturing • Exercises/tutorials • Directed readings • Class discussions • Presentations • Online material • Team work Field work	• Essays/projects/reports writing • Group/Team work • Peers evaluations • Self-evaluations • Examiners/supervisor(s) evaluation • Case study
3.2	Use the internet for searching for reading and data, communication with email, chatting, and use the Skype with class mates and instructor.	Use the internet for searching for reading and data, communication with email, chatting, and use the Skype with class mates and instructor.	• Lecturing • Exercises/tutorials • Directed readings • Class discussions • Presentations • Online material • Team work Field work	• Essays/projects/reports writing • Group/Team work • Peers evaluations • Self-evaluations • Examiners/supervisor(s) evaluation • Case study

C. Course Content

No	List of Topics	Contact Hours
1.	**1- What is Economics** 1-1 Economics Defined 1-2 Why Study Economics? 1-3 Macroeconomics versus Microeconomics	4.5

2.	**2- The Economics Problem** 2-1 Resources 2-2 Scarcity 2-3 Opportunity Cost 2-4 Production Possibilities Frontier	4.5
3.	**3- Demand and Supply Theory** 3-1 Demand Law 3-2 Changes in demand vs. changes in quantity demanded 3-3 Supply Law 3-4 Changes in supply vs. changes in quantity supplied 3-5 Market equilibrium	4.5
4.	**4- Elasticity of Demand and Supply** 4-1 Price Elasticity of Demand 4-2 Income Elasticity of Demand 4-3 Cross-Elasticity of Demand 4-4 Price Elasticity of Supply	4.5
5.	**5- Consumer Theory** 5-1 Household Choice in Output Markets 5-2 The Basis of Choice: Utility 5-3 Household Choice in Input Markets	4.5
6.	**6- Production Theory** 6-1 The Behavior of Profit-Maximizing Firms 6-2 The Production Process	4.5
7.	**7- Cost Theory** 7-1 Short Run vs. Long Run Cost 7-2 Economies of Scale	3
8.	**8- Perfect Competition** 8-1 Basic Concepts 8-2 The Expanded Concepts 8-3 Equilibrium in Perfect Competition	3
9.	**9- Pure Monopoly** 9-1 Overview 9-2 The Nature of Monopoly and It's Types	3
10.	**10- Monopolistic Competition and Oligopoly** 10-1 Basic Concepts 10-2 Equilibrium in Competition 10-3 Equilibrium in Oligopoly	3
11.	**11- Demand for Factors of Production** 11-1 Important Concepts 11-2 Profit Maximization 11-3 Cost Minimization	3
12	**12- Selected Topics** 12-1 Externalities 12-2 Public goods 12-3 Innovation economics	3
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes	Throughout the semester	30%
2.	mid-term exam	7th week	30%
3.	Final Exam	End of the semester	50%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	For English: Karl E. Case, Ray C. Fair, Sharon M. Oster, "Principles of Microeconomics", 13th edition, Pearson. ISBN-13: 9780135636756. For Arabic: Microeconomics, Farid Bashir, Abdelwahhab Alameen, 3th edition. Al Motanabi Bookshop, El-Dammam, Saudi Arabia, 2018.
Supportive References	AEA web: American Economic Journal: Microeconomics. Taylor, John B. (2000): "Reassessing Discretionary Fiscal Policy," Journal of Economic Perspectives 14(3): 21-36. (Link: JSTOR.).
Electronic Materials	http://www.sama.gov.sa/ https://learn.saylor.org/course/ http://data.worldbank.org/ http://www.blackboard.com/Platforms/
Other Learning Materials	NA

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30
Technology equipment (projector, smart board, software)	Smart Board, LCD project, Blackboard.
Other equipment (depending on the nature of the specialty)	NA

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the department - Student	Direct
Effectiveness of students assessment	- Head of the department - Student	Direct
Quality of learning resources	- Teaching staff -Head of the department - College quality assurance office. -Deanship of department and quality assurance.	-Head of the department - College quality assurance office. -Deanship of department and quality assurance.
The extent to which CLOs have been achieved	-Head of the department - College quality assurance office. -Deanship of department and quality assurance.	-Head of the department - College quality assurance office. -Deanship of department and quality assurance.
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
— (Bachelor)

Course Title:	**Principles of Macroeconomics**
Course Code:	**0678-102**
Program:	**Business Economics**
Department:	**Economics**
College:	**School of Business Administration**
Institution:	**King Faisal University**
Version:	**2023**
Last Revision Date:	**16/3/2024**

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☒ College	☐Department	☐Track	☐Others
B.	☒ Required		☐Elective		

3. Level/year at which this course is offered: (Level 2/2nd year)

4. Course general Description:

Principles of macroeconomics is an introduction to the behavioral science of economics which focuses on the aggregate behavior of households, firms and the government. Topics covered national accounts, economic growth, unemployment, inflation, the business cycle, fiscal policy and monetary policy, international Economics Economic development.

5. Pre-requirements for this course (if any):

Principles of Microeconomics-0605-101

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

The purpose of this course is to introduce students the main macroeconomic concepts and familiarize students with the application of these concepts to the modern economy.
On successful completion of this course, students should be able to:
1. Define the basic economic concepts related to macroeconomics such as scarcity, choice, opportunity costs, production possibilities curve and describe the eeconomic problem
2. Define and measure the national income accounting, unemployment and inflation rates
3. Identify the causes and consequences of business cycles
4. Explain how aggregate demand and aggregate supply interact to drive a free market economy
5. Explain the roles of fiscal and monetary policy in fighting recessions, unemployment and inflation
6. Define what money is and its role and functions in the economy
7. Analyze the economic effects of the tariffs and quotas as an international trade barriers

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	45
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Recognize the basic economic problem and alternative methods of dealing with the problem of scarcity	K1 ; K2	- Lecturing - Presentation - Class discussions	- Quizzes - Class Participation - Midterm exam - End-term exam
1.2	Define the national income and rates of unemployment and inflation.	K3	- Lecturing - Presentations - Class discussions - Exercises/tutorials	- Quizzes - Class Participation - Midterm exam - End-term exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
2.0	Skills			
2.1	Calculate the nominal GDP, the unemployment, inflation rates	S1	- Presentations - Lecturing - Class discussions - Projects/reports - Exercises/tutorials	- Quizzes - Midterm exam - End-term exam
2.2	Use the economic models to determine the macroeconomic equilibrium	S2	- Presentations - Lecturing - Class discussions - Projects/reports	- Quizzes - Class Participation - Midterm exam - End-term exam
3.0	Values, autonomy, and responsibility			
3.1	Demonstrate an absolute commitment to ethical, professional, and societal responsibilities	V1 ; V2	- Class discussions Essay projects/reports - Presentations - Online material - Group/Teamwork	- Class participation - Assignments - Mid-term exam - End-term exam
3.2	Demonstrate a self-creativity and take appropriate initiatives with regard to different economic decisions	V3	- Class discussions Essay projects/reports - Presentations - Online material - Group/Teamwork	- Class participation - Assignments - Mid-term exam 2 - End-term exam

C. Course Content

No	List of Topics	Contact Hours
1.	**Basic Economics Concepts and the Economic Problem** 1.1. Microeconomics versus Macroeconomics 1.2. Scarcity and Choice and Opportunity Costs 1.3. Production Possibilities Curve	3
2.	**National Accounts and Economic Growth** 2.1. Gross Domestic Product (GDP) 2.2. Expenditure and Income Approaches to Measuring GDP 2.3. Real-versus-Nominal GDP and the Economic Growth	6
3	**Unemployment, inflation and the Business Cycle** 3.1. Defining Unemployment, the Labor Force and Calculating Unemployment Rate. 3.2. Types of Unemployment and the Natural Rate	6

	3.3. Defining and Measuring Inflation and its Causes 3.4. Defining Business Cycles, their Causes and Consequences	
4	**Aggregate Supply and Aggregate Demand** 4.1. Aggregate Demand and its Determinants 4.2. Changes in Aggregate Demand 4.3. Aggregate Supply and its Determinants 4.4. Changes in Aggregate Supply	6
5	**Macroeconomic Equilibrium** 5.1. Short-run and Long-run Macroeconomic Equilibrium 5.2. Changes in Equilibrium GDP and the Multiplier Effect 5.3. Equilibrium versus Full-Employment GDP 5.4. Business cycle and economic fluctuations	6
6	**Monetary Policy** 6.1 Commercial banks and money creation process. 6.2 Central Bank functions. 6.3 Monetary policy objectives. 6.4 Monetary Policy Tools. 6.5 Types of monetary policies.	6
7	**Fiscal Policy** 7.1. Tools of Fiscal Policy. 7.2. Using Fiscal Policy to Fight Recession, Unemployment, and Inflation 7.3. Automatic Stabilizers of the Economy. 7.4. Evaluating Fiscal Policy	6
8	**International Trade** 8.1. Economic Basis for Trade 8.2. Supply and Demand Analysis of Exports and Imports 8.3. Trade Barriers (Tariffs and Quotas) 8.4. Protection Cases.	3
9	**Economic Development** 9.1. Nature and Challenge of Economic Development 9.2. Population Growth and Economic Development 9.3. Keys to Economic Development 9.4. Characteristics of Developing Countries	3
	Total	45

D. Students Assessment Activities

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Assignments (2*5%)	5th and 9th weeks	10%
3.	Midterm	6th week	30%
4.	Group Report	10th week	10%
5	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

1. References and Learning Resources

Essential References	- Principles of Macroeconomics, N. Gregory Mankiw. Publisher: Cengage Learning; 9th edition 2020.New York, USA. الاقتصاد الكلي. المؤلف فريد بشير طاهر. الناشر مكتبة المتنبي. سنة النشر 2018 الطبعة الثالثة. عدد الصفحات 367. الترقيم الدولي 978603920097
Supportive References	- Macroeconomics, By Campbell McConnell and Stanley Brue and Sean Flynn, 22nd edition. Publisher: McGraw-Hill Rental. 2021 - مبادئ الاقتصاد الكلي (مفاهيم وأساسيات) المؤلف: أحمد عبد الكريم المحيميد / محمد عبد الله الجراح. تاريخ النشر 2011
Electronic Materials	http://www.sama.gov.sa/ https://learn.saylor.org/course/ http://data.worldbank.org/ http://www.blackboard.com/Platforms/ مصادر ومراجع بيانات المكتبة الرقمية لجامعة الملك فيصل.
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department	Course evaluation results/CES
Effectiveness of Students assessment	- Teaching Staff - Head of the Department - College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office	Course evaluation results/CES
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
— (Bachelor)

Course Title:	Money, Banking, and Financial Markets
Course Code:	0678-201
Program:	Business Economics
Department:	Economics
College:	Business Administration
Institution:	King Faisal University
Version:	2023
Last Revision Date:	16 March 2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (Level 5/ 2nd year)

4. Course general Description:

This course introduces students to real world of money, banking and financial markets. The course aims providing students with an analytical framework that will enable one to understand and apply economic analysis in relation to the interest rates determinants, behavior of financial institutions, central banking and the conduct of monetary policy. Finally, students will be familiar with the fundamentals of Islamic finance and banking and contemporary issues in the area of financial service industry.

5. Pre-requirements for this course (if any): Principles of Macroeconomics-0678-102

6. Co-requisites for this course (if any): None

7. Course Main Objective(s):

At the end of this course, students will be able to::

1. Recognize the role of money, banks and financial markets in the economy.
2. Calculate the interest rates and identify determinants of interest rate behavior.
3. Identify the economic principles underlying the structure, operations and regulations of the financial intermediaries.
4. Analyze the role of the central bank in terms of the formulation and implementation of monetary policy and the related strategies and tactics.
5. Know the theoretical building blocks needed for understanding the monetary theory and related topics such as money creation, monetary transmission mechanisms, inflation, expectations and neutrality of money.
6. Compare Islamic banking versus conventional banking and recognize the various financial products of Islamic banks.
7. Understand issue related to financial service industry like nonbank finance and financial derivatives.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the role of money, banks and financial markets in the economy.	K1	- Lecturing - Assignments - Class discussions	- Class participation - Assignments - Quizzes - Mid-term exam - Final exam
1.2	Identify the economic principles underlying the structure, operations and regulations of the financial intermediaries.	K2	- Lecturing - Assignments - Class discussions	- Class participation - Assignments - Quizzes - Mid-term exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
				- Final exam
1.3	Know the theoretical building blocks needed for understanding the monetary theory and related topics such as money creation, monetary transmission mechanisms, inflation, expectations and neutrality of money	K3	- Lecturing - Assignments - Class discussions	- Class participation - Assignments - Quizzes - Mid-term exam - Final exam
2.0	**Skills**			
2.1	Calculate the interest rates and identifying determinants of interest rate behavior.	S1	- Lecturing - Assignments - Class discussions - Exercises	- Class participation - Assignments - Quizzes - Mid-term exam - Final exam
2.2	Analyze the role of the central bank in terms of the formulation and implementation of monetary policy and the related strategies and tactics.	S2	- Lecturing - Assignments - Class discussions - Exercises	- Class participation - Assignments - Quizzes - Mid-term exam - Final exam
3.0	**Values, autonomy, and responsibility**			
3.1	Demonstrate an absolute commitment to ethical, professional, and societal responsibilities	V1	- Lecturing - Class discussions - Assignments Group/Teamwork	- Class participation - Assignments - Quizzes - Mid-term exam - Final exam
3.2	Demonstrate a self-creativity and take appropriate initiatives with regard to different economic decisions	V2	- Lecturing - Class discussions - Assignments Group/Teamwork	- Class participation - Assignments - Quizzes - Mid-term exam Final exam

C. Course Content

No	List of Topics	Contact Hours
1.	**NTRODUCTION** 1.1. Why Study Money, Banking, and Financial Markets? 1.2. An Overview of the Financial System 1.3. What Is Money?	3
2.	**FINANCIAL MARKETS** 2.1. The Meaning of Interest Rates 2.2. The Behavior of Interest Rates 2.3. The Risk and Term Structure of Interest Rates	9
3	**FINANCIAL INSTITUTIONS** 3.1. An Economic Analysis of Financial Structure 3.2. Banking and the Management of Financial Institutions 3.3. Economic Analysis of Financial Regulation 3.4. Banking Industry: Structure and Competition	9
4	**CENTRAL BANKING AND THE CONDUCT OF MONETARY POLICY** 4.1. Central Banks 4.2. The Money Supply Process 4.3. Tools of Monetary Policy 4.4. The Conduct of Monetary Policy: Strategy and Tactics	6
5	**MONETARY THEORY** 5.1. Quantity Theory, Inflation, and the Demand for Money 5.2. The IS Curve 5.3. Aggregate Demand and Supply Analysis 5.4. Monetary Policy Theory 5.5. The Role of Expectations in Monetary Policy **5.6.** Transmission Mechanisms of Monetary Policy	9
6	**ISLAMIC FINANCE AND BANKING** 6.1 Islamic Banking versus Conventional Banking **6.2** Islamic Banking Products	9
7	**CONTEPORARY ISSUES** 1.1. Nonbank Finance 1.2. Financial Derivatives **1.3.** Conflict of Interests in the Financial Service Industry	3
	Total	**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Assignments (2*5%)	5th and 9th weeks	10%
3.	Midterm	6th week	30%
4.	Group Report	10th week	10%
5.	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	- Frederic S Mishkin, The Economics of Money, Banking, and Financial Markets, (13th edition) Pearson 2021. عبد الرحمن عبد الله الحميدي/النقود والبنوك والاسواق المالية-المؤلف عبد الرحمن تاريخ النشر: 2017
Supportive References	Syeda Fahmida Habib, (ed.9), Fundamentals of Islamic Finance and Banking, Wiley 2018 (chapters 4-8).
Electronic Materials	http://www.pearsonhighered.com/laudon/ http://www.myeconlab.com/
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)
Effectiveness of Students assessment	- Teaching Staff - Head of the Department College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office .	Course evaluation results/CES
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification

— (Bachelor)

Course Title:	**Applied Macroeconomics**
Course Code:	**0678-202**
Program:	**Business Economics**
Department:	**Economics**
College:	**School of Business Administration**
Institution:	**King Faisal University**
Version:	**2023**
Last Revision Date:	**16/3/2024**

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☐ College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (Level 6 / 3rd year)

4. Course general Description:

The course will consolidate student's understanding of macroeconomic theory and its applications to macroeconomic problems. The course will review the basics of undergraduate macroeconomics before moving on to consider more advanced macroeconomics course and major recent developments in the field of macroeconomics. It introduces various theories of economic growth, causes and consequences of economic growth and business cycles, investigate how policies affect macroeconomic conditions, and learn how experimental economics be used to test growth theories. Recent theoretical and empirical developments will discussed, with particular emphasis placed on scholarly articles.

5. Pre-requirements for this course (if any):

Principles of Macroeconomics-0605-102

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

The purpose of this course is to emphasize macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data, and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, the Great Recession, inflation, and financial markets.
At the end of this course, students will be able to:
Develop models to explain the performance and structure of the economy as a whole in both the long and short run.
Understand the determinants of gross domestic product, inflation and unemployment and the effects of monetary and fiscal policies on these variables.
Analyze the economic effects of government policies, identify, and interpret key leading and lagging economic indicators.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning	45	100%

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the formulation of simple economic models in a way that allows application to empirical data.	K1	- Lecturing - Presentation - Class discussions	- Quizzes - Class Participation - Midterm exam - End-term exam
1.2	Identify the impact of modern empirical macroeconomics research.	K2	- Lecturing - Presentations - Class discussions - Exercises/tutorials	- Quizzes - Class Participation - Midterm exam - End-term exam
…				
2.0	**Skills**			

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
2.1	Develop various macroeconomic models designed to analyze short-run business cycle issues.	S1	- Presentations - Lecturing - Class discussions - Projects/reports - Exercises/tutorials	- Quizzes - Midterm exam - End-term exam
2.2	Analyze intelligently in discussions of applied economics matters	S2	- Presentations - Lecturing - Class discussions - Projects/reports	- Quizzes - Class Participation - Midterm exam - End-term exam
3.0	Values, autonomy, and responsibility			
3.1	Demonstrate better verbal and writing communication skills.	V1	- Class discussions Essay projects/reports - Presentations - Online material - Group/Teamwork	- Class participation - Assignments - Mid-term exam - End-term exam
3.2	Interpret economic data in quantitative methods and computing techniques to research economic Problems or issues.	V2	- Class discussions Essay projects/reports - Presentations - Online material - Group/Teamwork	- Class participation - Assignments - Mid-term exam 2 - End-term exam

C. Course Content

No	List of Topics	Contact Hours
1.	**1 Macoeconomic Accounting** 1.1 Circuits in the Macoeconomic Accounting 1.2 Output, expenditures and distribution approach 1.2.1 The Output (or Value Added) approach 1.2.2 Expenditures Approach 1.2.3 The Distribution Approach of National Income 2.3 Case Study: European Wealth and GDP	6
2	**3 Inflation** 3.1 What is Inflation? 3.2 Disadvantages of Inflation. 3.3 Case Study: Hyperinflation Germany.	6
3	**Keynesian Theory**. 4.1 The Consumption Function. 4.2 The Saving Function . 4.3 The Income-Expenditure Model. 4.4 Expenditure and Tax Multiplier. 4.5 The Investment Function. 4.6 The IS/LM Model .	6
4	**Business Cycles in Theory and Practice**.	6

	- 2.1 The Economic Phenomenon of Business Cycles	
5	**Monetary and Fiscal Policy**	**6**
6	**Economic Growth and Development**	**6**
7	**Economic Policy Debates and Applications.**	**3**
8	**International Trade**	**6**
	Total	45

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Assignments (2*5%)	5th and 9th weeks	10%
3.	Midterm	6th week	30%
4.	Group Report	10th week	10%
5	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Conrad, C. A. (2022). Applied Macroeconomics. Springer Nature. Barro, R.J., A.C. Chu, and G. Cozzi. 2017. Intermediate Macroeconomics. Cengage Learning.
Supportive References	- The B.E. Journal of Macroeconomics - Taylor, John B. (2000): "Reassessing Discretionary Fiscal Policy," - Journal of Economic Perspectives 14(3): 21-36. (Link: JSTOR.)
Electronic Materials	http://www.sama.gov.sa/en-US/Pages/default.aspxhttps://www.aeaweb.org/journals/jep https://data.worldbank.org/ http://www.blackboard.com/Platform
Other Learning Materials	Gwartney, J.D., R.L. Stroup, R.S. Sobel, and D.A. Macpherson. 2020. *Macroeconomics: Private and Public Choice*. MindTap Course List Series. Cengage South-Western Romer, D. 2018. *Advanced Macroeconomics*. McGraw-Hill Education.

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department	Course evaluation results/CES
Effectiveness of Students assessment	- Teaching Staff - Head of the Department - College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office	Course evaluation results/CES
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification

— (Bachelor)

Course Title:	**Mathematical Economics**
Course Code:	**0678-203**
Program:	**Business Economics**
Department:	**Economics**
College:	**School of Business**
Institution:	**King Faisal University**
Version:	**2023**
Last Revision Date:	15/03/2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☐ College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (Level 6 / 2nd year)

4. Course general Description:

The course provides a thorough knowledge of mathematical techniques essential for understanding economics at both macro and micro levels. It aims to help students understand and use the mathematics required for studying economics at the bachelor's level. All the required mathematical topics will be illustrated with applications in economics.

5. Pre-requirements for this course (if any): Quantitative Methods for Business

6. Co-requisites for this course (if any): None

7. Course Main Objective(s):

The main purpose for this course is to provide students the fundamental mathematical tools necessary to prepare them for graduate work in Business economics.

Mathematical Economics Course objectives:

- Improve the mathematical skills necessary to study economics
- Identify, solve and interpret the characteristics of each family of functions: linear, polynomial, exponential, logarithmic and quadratic
- Analyze linear models and matrix algebra techniques in economic analysis (Equilibrium Analysis).
- Demonstrate an understanding of the rules of differentiation and their use in comparative statics.
- Formulate a constrained optimization problem.
- Find solutions of optimization problems by identifying relative and global maximums and minimums of functions.
- Determine dynamic analysis.
- Analyze difference and differential equations of first and second order.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the role of mathematics in economic and accounting theory	K1	- Lecturing - Presentations - Class discussions	-Quizzes -Class Participation -Midterm exam 1 -End-term exam
1.2	Describe some relevant mathematical and statistical techniques	K2; K3	- Lecturing - Presentations - Class discussions Exercises/tutorials	-Quizzes -Class Participation -Midterm exam 1 -End-term exam
2.0	**Skills**			
2.1	Use mathematical, statistical, and	S1	- Presentations - Lecturing	-Quizzes -Midterm exam 1

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
	graphical techniques in an appropriate manner		- Essay projects/reports Exercises/tutorials	-End-term exam
2.2	Solve some complex problems accurately	S2	- Presentations - Lecturing - Class discussions Essay projects/reports	-Quizzes -Class Participation -Midterm exam2 -End-term exam
3.0	Values, autonomy, and responsibility			
3.1	Develop economic and mathematical literacy through analyzing and discussing original economic and mathematical scholarly research	V1 ; V2	- Exercises/tutorials - Class discussions - Essay projects/reports - Presentations Group/Team work	-Class participation -Assignments -Mid-term exam 2 End-term exam
3.2	Interpret empirical results of some case studies	V3	- Exercises/tutorials - Class discussions - Essay projects/reports - Presentations - Online material Group/Team work	-Class participation -Assignments -Mid-term exam 2 End-term exam

C. Course Content

No	List of Topics	Contact Hours
1.	Economic Models	3
2.	Equilibrium Analysis in Economics	3
3.	Linear Models and Matrix Algebra	3
4.	Comparative-Statics and the concept of derivative	3
5.	Role of Differentiation and their use in comparative statistics	3
6.	Optimization Problems: A Special Variety of Equilibrium Analysis	4.5
7.	Exponential and Logarithmic Functions	3

9.	**Optimization with Equality Constraints**	3
10.	**Dynamic Analysis: Economic Analysis and Integral Calculus**	4.5
11.	**Continuous Time: First Order Differential Equations**	3
12.	**Higher-order Differential Equations**	3
13.	**Discrete Time: First Order Difference Equations**	3
14.	**Higher-order Differential Equations**	3
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	3rd, 8th	10%
2.	Class Participation	During the whole semester	10%
3.	Midterm Exam 1	5th	15%
4.	Midterm Exam 2	9th	15%
5.	Group Report	11th	10%
6.	Final Exam	13th	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	▪ **Mathematics for Economics by Michael Hoy, John Livernois, Chris McKenna, Ray Rees, Thanasis Stengos. 2012**
Supportive References	Journal of Mathematical Economics - Elsevier
Electronic Materials	▪ **www.sama.gov.sa** ▪ **www.planning.gov.sa** ▪ **www.arab-api.org**
Other Learning Materials	▪ **MATLAB software** ▪ **World Bank. World Development Indicators. CD-ROM** ▪ **IMF. Direction of Trade Statistics. CD-ROM**

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal to or less than 30
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	NA

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	-Head of the Department -Students	Direct
Effectiveness of Students assessment	-Teaching Staff -Head of the Department -College Quality Assurance Office	Direct
Quality of learning resources	-Faculty members -Students -Graduates	Direct
The extent to which CLOs have been achieved	-Faculty members & Coordinators -Head of the Department -College Quality Assurance Office	Direct
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
— (Bachelor)

Course Title: **Fundamentals of Scientific Research**

Course Code: **0678 204**

Program: **Business Economics**

Department: **Economics**

College: **School of Business Administration**

Institution: **King Faisal University**

Version: **2023**

Last Revision Date: **15 March 2024**

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (2)

2. Course type

A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (level 4/ year 2)

4. Course general Description:

This course is mainly about providing students with the basic knowledge about the nature of scientific research in economic science and explain the steps and types of research, data collection, methods of analysis in this field.

5. Pre-requirements for this course (if any):

None

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

Define the steps and types of research, data collection, methods of analysis in economics and the differences between research in economics and other fields in.
Understand the basics structures of scientific writing.
Critical reading and summarizing information.
Formulating research questions, research hypotheses and testing them.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	100%
2	E-learning		
3	Hybrid • Traditional classroom		

No	Mode of Instruction	Contact Hours	Percentage
	• E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	30
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		30

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the methodologies and methods or research in economics, academic writing, economical writing, research proposal and thesis writing requirements.	K1, K2	- Lecturing - Presentation Class discussions	- Quizzes - Class Participation - Midterm exam End-term exam
1.2	Understand how to formulate research questions, set the objectives, put the hypothesis conduct the empirical research work and write and present the results	K3	- Lecturing - Presentations - Class discussions Exercises/tutorials	- Quizzes - Class Participation - Midterm exam End-term exam
2.0	**Skills**			

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
2.1	Utilize computer tools such as text editor, reference manager software, data analysis software as well as internet and digital libraries and databases into applied research work in energy economics.	S1	- Presentations - Lecturing - Class discussions - Projects/reports Exercises/tutorials	- Quizzes - Midterm exam End-term exam
2.2	Ability to collect economic data and produce results and present them with the ability to discuss results with professionals	S2	- Presentations - Lecturing - Class discussions Projects/reports	- Quizzes - Class Participation - Midterm exam End-term exam
3.0	**Values, autonomy, and responsibility**			
3.1	Demonstrate better verbal and writing communication skills.	V1, V3	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Class participation - Assignments - Mid-term exam End-term exam
3.2	Self-development and open mind in studying and evaluating energy-related policies and status-quo energy markers with association to economics factors, energy sources, development, energy sector regulations.	V2	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Class participation - Assignments - Mid-term exam 2 End-term exam

C. Course Content

No	List of Topics	Contact Hours

1.	1. The scientific research
	   1.1. Nature of the scientific research
	   1.2. Nature of the administrative and economic sciences
	Stages and types of scientific research
		4

2.	2. Curricula of scientific research
	   2.1. Extrapolation, exposing, parameters and results
	   2.2. Formulation of hypotheses and testing
	   2.3. Data collection
		4

	2.4. Questionnaire, contrasting and the observation Testing hypotheses	

3.	3. Preparation of the report or thesis
	    3.1. Introduction and general information
	    3.2. Thesis/report elements and style
	    3.3. Formatting and technical pointers
	    3.4. Special problems and considerations
	Concluding instructions
		4

4.	4. Research methods and methodologies
	    4.1. Methodologies of research in applied economics
	    4.2. Hypothetical and empirical/historical deductive research methods
	Advantages and disadvantages of deductive research methods
		4

5.	5. Academic writing and economical writing
	    5.1. Academic writing skills
	    5.2. Writing structure and style
	Economical writing
		2

6.	6. The Review of Literature
	    6.1. Meaning of review of literature.
	    6.2. Objectives of review of literature.
	    6.3. Conducting review of literature.
	Writing the review of literature, style and language.
		4

7.	7. Practical applications 7.1. Applications in the business enterprises field. Applications in the relationship of firms with the employees, the providers of capital, the customers, the government; the interactions between	4
8.	Computer and internet tools for researchers	4

Total		**30**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Assignments (2*5%)	5th and 9th weeks	10%
3.	Midterm	6th week	30%
4.	Group Report	10th week	10%
5.	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kothari, C. R. (2013). Research Methodology: Methods and Techniques. India: New Age International Pvt Limited Publishers. Glasman-deal, H. (2020). Science Research Writing: For Native And Non-native Speakers Of English (Second Edition). Singapore: World Scientific Publishing Company.
Supportive References	Ethridge, D. E. (2004). Research methodology in applied economics. Wiley-Blackwell. McCloskey, D. N. (1999). Economical writing. Waveland Press. Blaug, M., & Mark, B. (1992). The methodology of economics: or, how economists explain. Cambridge University Press. McCloskey, D. N. (1998). The rhetoric of economics. University of Wisconsin Press.
Electronic Materials	Saudi Digital Library
Other Learning Materials	http://www.econometricsbooks.com/ http://www.sama.gov.sa/ http://data.worldbank.org/

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)
Effectiveness of Students assessment	- Teaching Staff - Head of the Department	Verification/ CES/PES

Assessment Areas/Issues	Assessor	Assessment Methods
	College Quality Assurance Office	
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office .	Course evaluation results/CES
Other	- Head of the Department Students	- Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification

— (Bachelor)

Course Title: International Economics	
Course Code: 0678-206	
Program: Business Economics	
Department: Economics	
College: Business Administration	
Institution: King Faisal University	
Version: 2023	
Last Revision Date: 17 March 2024	

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)				
2. Course type				
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		

3. Level/year at which this course is offered: (Level 4 / 2ⁿᵈ year.)

4. Course general Description:

International economics is the study of all the various economic connections between countries and the global economics system. The main objective of this course is to introduce students to both classical and modern theories of international trade in goods and services as well as the international trade policies. In addition, the course develops a systematic understanding of other key areas of the world economy i.e., international finance and how the international organizations affect the world economy. The course coverage includes also real world developments in business, politics, finance, technology and their global implications.

5. Pre-requirements for this course (if any): Principles of Macroeconomics-0678-102

6. Co-requisites for this course (if any): None

7. Course Main Objective(s):

Upon Completion of this Course, students will be able to:

1. Understand the interrelationship between the main areas of international economic activity.
2. Describe, compare and contrast different theoretical approaches to international economic issues i.e., the international trade theories.
3. Gain a good working knowledge of the diverse policy issues related to the flow international trade.
4. Analyze the role of the international organizations and the linkages between the financial, political and technological developments and their impact on international business.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the different trade theories and define the basics trade concepts	K1 ; K2	Lecturing Presentation Class discussions	Quizzes Class Participation Midterm exam End-term exam
1.2	Identifying the Comparative Advantage concept and explaining the Heckscher-Ohlin concept	K3	Lecturing Presentations Class discussions Exercises/tutorials	Quizzes Class Participation Midterm exam End-term exam
2.0	**Skills**			
2.1	Analyze the international trade policy	S1	Presentations Lecturing Class discussions Projects/reports Exercises/tutorials	Quizzes Midterm exam End-term exam
2.2	Explain the international macroeconomic policy and identify the international finance via exchange rate	S2	Presentations Lecturing Class discussions Projects/reports	Quizzes Class Participation Midterm exam End-term exam
3.0	**Values, autonomy, and responsibility**			
3.1	Prepare empirical research and academic work in group work in the field economics/ international economics with appropriate arguments, hypotheses tests and conclusions.	V1 ; V3	- Lectures - Exercises/tutorials - Class discussions -projects/reports -Presentations - Online material - Group/Teamwork - Lab applications	Essays/projects/reports writing Assignments Group/Team work Case study

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
3.2	Criticize the estimation results and analyze the basic international economics data.	V2	Lectures Exercises/tutorials Class discussions Essay projects/reports Presentations Online material Group/Teamwork Lab applications	Essays/projects/reports writing Assignments Group/Team work Case study

C. Course Content

No	List of Topics	Contact Hours
1.	**INTRODUCTION** 1.1 Mankind Interdependence 1.2 Patterns and Trends of the International Trade 1.3 Windows of the World Economy 1.4 Internationalization and Globalization 1.5 Definition of International Economics	3
2.	**INTERNATIONAL TRADE THEORY** 2.1 Absolute Advantage Theory 2.2 Comparative Advantage Theory 2.3 Factor Endowment Theory: The Heckscher-Ohlin Model 2.4 Other Modern Trade Theories	15
3.	**INTERNATIONAL TRADE POLICES** 3.1 Introduction 3.2 Arguments for Trade Protection 3.3 Instruments of Trade Policy 3.4 Applications in Instruments of Trade Policy	6
4	**INTERNATIONAL FINANCE** 4.1 Balance of Payments 4.2 Exchange Rates	6
5	**INTERNATIONAL ORGANIATIONS** a. The International Trade Organization (WTO) b. The International Monetary Fund (IMF) c. The World Bank (IBRD)	6
6	**CONTEPORARY ISSUES IN INTERNATIONAL ECONOMICS** 6.1 Economic Integration 6.2 Foreign Direct Investment (FDI) 6.3 International Business 6.4 International Development	6
	Total	45

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Midterm	6th week	30%
3.	Project	10th week	20%
5	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kenneth A. Reinert, An introduction to international economics: new perspectives on the world economy, Cambridge University Press: 2nd ed., 2020
Supportive References	▪ Paul R. Krugman and Maurice Obstfeld, International Economics: Theory and Policy, Eleventh Edition, 2018. ▪ Robert J. Carbuach, International Economics, 13th Edition, 2011. ▪ Dennis R. Appleyard, Alfred J. Field, Jr., International Economics, 8th ed, 2014.
Electronic Materials	**Website: http://internationalecon.com/index.php** **http://www.bized.co.uk/learn/economics/international/index.htm** **http://www.econclassroom.com/?cat=6**
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) - Course evaluation survey (QMS Annex B)
Effectiveness of students assessment	- Teaching Staff - Head of the Department - College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office .	Course evaluation results/CES
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
— (Bachelor)

| Course Title: | **APPLIED MICROECONOMICS** |

| Course Code: | 0678-301 |

| Program: Business Economics |

| Department: Economics |

| College: School of Business |

| Institution: King Faisal University |

| Version: 2023 |

| Last Revision Date: 17 March 2024 |

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (.........)

2. Course type

A.	□University	□ College	☒ Department	□Track	□Others
B.	☒ Required		□Elective		

3. Level/year at which this course is offered: (Level 7 / 3rd Year)

4. Course general Description:

The fact of scarcity forces individuals, firms, and societies to choose among alternative uses of its limited resources. Accordingly, the first part of this summer course seeks to understand how economists model the choice process of individual consumers and firms, and how markets work to coordinate these choices. It also examines how well markets perform this function using the economist's criterion of market efficiency.

5. Pre-requirements for this course (if any)**:**

Principles of Microeconomics 0678-101

6. Co-requisites for this course (if any)**:**

7. Course Main Objective(s):

The course focuses on developing a conceptual as well as empirical analysis of microeconomic behavior in three distinct areas of emphasis: production, investment, and market analysis.
-The course emphasizes empirical applications of microeconomics, with implications for efficiency and welfare analysis, while the class material emphasizes the aspects of the theory that are empirically tractable, the homework involves econometric applications to the analysis of cost, production, technological change, supply-demand response, market power, characteristic demand.
-Increased use of collaborative and eLearning resources.
The course content and teaching material will be periodically updated to reflect new developments and trends in the field

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the fundamental economic theories and concepts at the micro level.	K1 ; K2	• Lectures • Exercises/tutorials • Class discussions • Assignments • Lab applications	•Class participation • Assignments •Essays/projects/reports writing •Quizzes •Mid-term exam(s) •Final exam
1.2	Identify the analytical method appropriate for analysis of each data type and variables included in the exercises.	K3	• Lectures • Exercises/tutorials • Class discussions • Assignments • Lab applications	•Class participation •Assignments •Essays/projects/reports writing •Quizzes •Mid-term exam(s) •Final exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
2.0	**Skills**			
2.1	Use professional microeconomics software to estimate, test, and examine models for explaining relationships between economic variables and summarize the results.	S1	•Lectures •Exercises/tutorials •Class discussions •Assignments •Essay projects/reports •Group/Team work •Lab applications	•Class participation •Assignments •Essays/projects/reports writing •Group/Team work •Quizzes •Mid-term exam(s) •Final exam
2.2	Investigate problems in the data and the empirical results driven by the estimated model based on insights from theory in economics and microeconomics.	S2	•Lectures •Exercises/tutorials •Class discussions •Assignments •Essay projects/reports •Group/Team work •Lab applications	•Class participation •Assignments •Essays/projects/reports writing •Group/Team work •Quizzes •Mid-term exam(s) •Final exam
3.0	**Values, autonomy, and responsibility**			
3.1	Prepare empirical research and academic work in group work in the field economics/microeconomics with appropriate arguments, hypotheses tests and conclusions.	V.1,V.3	•Lectures •Exercises/tutorials •Class discussions •Essays/projects/reports •Online material •Team work •Lab applications	•Essays/projects/reports writing •Assignments •Group/Team work •Case study
3.2	Criticize the estimation results and the implication of when assumptions of the classical equations and exercises	V.2	•Lectures •Exercises/tutorials •Class discussions •Essays/projects/reports •Online material •Team work •Lab applications	•Essays/projects/reports writing •Assignments •Group/Team work •Case study

C. Course Content

No	List of Topics	Contact Hours
1.	- The modeling of economic behavior: 1-1 review 1-2 economic rationality 1-3 basic structure 1-4 additional structure	12
2.	- Technology and Firm Behavior 2-1 production 2-2 cost and profit functions	12

	2-3 efficiency in production decisions 2-4 technical change and modeling systems of equations	
3.	3-Investment 3-1 capital asset pricing 3-2 arbitrage pricing 3-3 valuing real options	18
4.	4- Market Analysis and Industrial Organization 4-1 the study of I/O 4-2 Structure-Conduct Performance 4-3 Quantity Setting Games and Price Setting Games 4-4 NEIO applications and Relationship of I/O and antitrust law	12
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	**Quizzes**	**Throughout the semester**	30
2.	**Midterm Exam**	**8th week**	30
3.	**Final Exam**	**End of the semester**	40
...			

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Jehle, Geoffrey, and Philip Reny. Advanced Microeconomic Theory. 3thd ed. Reading, MA: Addison Wesley, 2011
Supportive References	Jeffrey Perloff, Microeconomics: Theory and Applications with Calculus, 2nd Edition Addison Wesley, 2011
Electronic Materials	Blackboard-Learning Management System (LMS) http://www.pearsonmylabandmastering.com/global/myeconlab/.
Other Learning Materials	NA

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	**NA**

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)
Effectiveness of students assessment	- Teaching Staff - Head of the Department - College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	- Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office	Course evaluation results/CES

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
— (Bachelor)

Course Title: **Introduction to Econometrics**	
Course Code: **0678-302**	
Program: **Business Economics**	
Department: **Economics**	
College: **School of Business Administration**	
Institution: **King Faisal University**	
Version: 2023	
Last Revision Date: **15 March 2024**	

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (5/year 3)

4. Course general Description:

This course introduces the use of econometrics to explore and estimate economic relationships using linear regression models. Extensions covering statistical complications such as heteroskedasticity, autocorrelation, multicollinearity and distributed lag models will also be included. Practical computer applications feature throughout. There will be examples of the uses of econometrics in a variety of areas through statistical analysis, problem solving and econometric estimation using a statistical computer package (e.g E-views, Gretl, Stata, R or any econometric software)

5. Pre-requirements for this course (if any):

Statistics for Business

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

The main purpose for this course is to provide theoretical and empirical insights into correlation, standard linear regression model and its underlying assumptions.
On successful completion of this course, students should be able to:
1.   Recognize the main specification of econometric models
2.   Explain how economic data are used with those methods to estimate economic models.
3.   Use theory and practice of modern econometrics at a level appropriate for an economics graduates,
4.   Derive Ordinary Least Squares (OLS) estimators and their properties.
5.   Apply regression analysis to real-world economic examples and data sets for hypothesis testing and prediction.
6.   Use the ANOVA test to valuate the impact of the independent variables on the dependent variable in a regression analysis.

7.   Provide with the ability to use the statistical software SPSS in an effective manner. Analyze the consequences of violations of regression assumptions such as: heteroskedasticity, autocorrelation and multicollinearity.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	45
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Recognize the theoretical background for standard methods used in empirical analyses like economic and econometric models, regression analysis, the properties	K1 ; K2	• Lectures • Exercises/tutorials • Class discussions • Assignments Lab applications	• Class participation • Assignments • Essays/projects/reports writing • Quizzes • Mid-term exam(s) • Final exam

4

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
	of least squares method and estimators, statistical testing of hypotheses.			
1.2	Identify problems in data and econometric models like multicollinearity and heteroskedasticity, autocorrelation and endogeneity and the elementary procedures for model validation in the single equation context.	K3	• Lectures • Exercises/tutorials • Class discussions • Assignments Lab applications	• Class participation • Assignments • Essays/projects/reports writing • Quizzes • Mid-term exam(s) Final exam
2.0	**Skills**			
2.1	Use professional econometric software to estimate, test, and examine models for explaining relationships between economic variables.	S1	• Lectures • Exercises/tutorials • Class discussions • Assignments • Essay projects/reports • Group/Team work Lab applications	• Class participation • Assignments • Essays/projects/reports writing • Group/Team work • Quizzes • Mid-term exam(s) • Final exam
2.2	Investigate problems in the data and the empirical results driven by the estimated model based on insights from theory in economics and econometrics.	S2	• Lectures • Exercises/tutorials • Class discussions • Assignments • Essay projects/reports • Group/Team work • Lab applications	• Class participation • Assignments • Essays/projects/reports writing • Group/Team work • Quizzes • Mid-term exam(s) • Final exam
3.0	**Values, autonomy, and responsibility**			
3.1	Prepare empirical research and academic work in group work in the field economics/econometrics with appropriate arguments, hypotheses tests and conclusions.	V.1, V.3	• Lectures • Exercises/tutorials • Class discussions • Essays/projects/reports • Online material • Team work Lab applications	• Essays/projects/reports writing • Assignments • Group/Team work Case study

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
3.2	Criticize the estimation results and the implication of when assumptions of the classical linear model are violated	V.2	• Lectures • Exercises/tutorials • Class discussions • Essays/projects/reports • Online material • Team work Lab applications	• Essays/projects/reports writing • Group/Team work Case study

C. Course Content

No	List of Topics	Contact Hours
1.	1. **The Importance of Modeling and Economics Data** 1.1 **Definition and Objectives of Econometrics** 1.2 **Formulation and Specification of Econometric Models** 1.3 **Theoretical and Applied Econometrics** 1.4 **Types of data**	3
2.	2. **Simple Regression Analysis** 2.1 **Modeling and Assumptions** 2.2 **Ordinary Least Squares (OLS) Estimators** 2.3 **Statistical Inference and Analysis of Variance (ANOVA)** 2.4 **Prediction with the Simple Regression Model**	6
3.	3. **Multiple Regression Analysis** 3.1 **Formulation and Basic Assumptions: Model with k Explanatory Variables** 3.2 **OLS estimators and properties** 3.3 **Statistical Inference and Analysis of Variance (ANOVA)** 3.4 **Prediction with the Multiple Regression Model**	6
4.	4. **Introduction to Econometric Software Applications** 4.1 **Layout, Interface and Important Menu Commands** 4.2 **Opening and Creating a Dataset** 4.3 **Running Descriptive Statistics and Frequencies** 4.4 **Linear Regression Analysis**	6
5.	5. **Heteroskedasticity** 5.1 **Consequences of Heteroskedasticity** 5.2 **Testing for Heteroskedasticity** 5.3 **5.3. Solutions to the Heteroskedasticity Problem**	6
6.	6. **Autocorrelation** 6.1 **The Durbin–Watson test** 6.2 **Estimation Procedures with Autocorrelated Errors**	6

	6.3	Effect of AR(1) Errors on OLS Estimates	
7.	7.	**Multicollinearity**	6
	7.1	**Sources of Multicollinearity**	
	7.2	**Consequences of Multicollinearity**	
	7.3	**Testing of Multicollinearity**	
	7.4	**Remedies for Multicollinearity**	
8.	8.	**Simultaneous Equation Models**	3
	8.1	**Endogenous and Exogenous Variables**	
	8.2	**identification Problem**	
	8.3	**Necessary and Sufficient Conditions for Identification**	
	8.4	**Methods of Estimation: Instrumental Variable and Two-Stage Least Squares**	
9.	9.	**Distributed Lag Models**	3
	9.1	**Dynamic Effects of Temporary and Permanent Changes**	
	9.2	**Finite Distributed Lag Models: Estimation and Interpretation**	
	9.3	**Models with Lagged Dependent Variables**	
	9.4	**Choosing the Lag Length**	
Total			**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Assignments (2*5%)	5th and 9th weeks	10%
3.	Midterm	6th week	30%
4.	Group Report	10th week	10%
5.	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). Principles of econometrics. John Wiley & Sons. Wooldridge JM (2020) Introductory Econometrics: A Modern Approach. Cengage Learning Asia Pte Limited

Supportive References	Greene WH (2018) Econometric Analysis. Pearson
Electronic Materials	The Econometrics Journal - Wiley Online Library The Royal Economic Society Econometric Academy
Other Learning Materials	Excel and econometric software such as: Eviews/Gretl/Stata/R

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students, a computer lab
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, 30 personal computers, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)
Effectiveness of Students assessment	- Teaching Staff - Head of the Department College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office .	Course evaluation results/CES
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council

Course Specification
— (Bachelor)

Course Title: Economic Feasibility Studies
Course Code: 0678-303
Program: Business Economics
Department: Economics
College: School of Business
Institution: King Faisal University
Version: 2023
Last Revision Date: 15/03/2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type				
A.	☐University	☐ College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		

3. Level/year at which this course is offered: (Level 5 / 3ⁿᵈ year)

4. Course general Description:

The course will provide the students the opportunity of understanding and the ability to plan and appraise project as required by any graduate. This is with the intent of enhancing their understanding of project concept and project idea formulation. So that, it provides a business analysis and feasibility overview of a proposed company. The students will understand how to breakdown project cost and investment expenditure in the process of this course. Also, they will learn the nature and scope of research projects in economics and at the end of the course, students will be able to write a good feasibility report based on their understanding of the techniques of building and evaluating projects.

5. Pre-requirements for this course (if any)**: Principles of Microeconomics-0678-101**

6. Co-requisites for this course (if any)**: None**

7. Course Main Objective(s):

The purpose of this module is to:
- Introduce students to the concept of project concept and idea formulation;
- Give a theoretical and applied background to project and program appraisal techniques, including technical analysis, financial and economic analysis, impact assessment and risk analysis.
- Analyse a proposed project to determine its merit and acceptability in accordance with established criteria.

Check if the project is feasible against the situation on the ground, than the objectives set remains appropriate and costs are reasonable. Indeed, the project is accepted for financing.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100
2	E-learning		
3	Hybrid • Traditional classroom		

No	Mode of Instruction	Contact Hours	Percentage
	● E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	**Students recognize, outline and describe the methodologies of measuring costs and benefits for a macroeconomic and social perspective.**	K1 ; K2	- Lecturing - Presentation Class discussions	- Quizzes - Class Participation - Midterm exam End-term exam
1.2	**Outline and recognize risk and uncertainty before agreeing a project.**	K3	- Lecturing - Presentations - Class discussions Exercises/tutorials	- Quizzes - Class Participation - Midterm exam End-term exam
2.0	**Students recognize, outline and describe the methodologies of measuring costs and benefits for a macroeconomic and social perspective.**			
2.1	**Explain and contrast the concept of a social discount rate, and the concept and**	S1	- Presentations - Lecturing - Class discussions - Projects/reports Exercises/tutorials	- Quizzes - Midterm exam End-term exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
	implications of risk and uncertainty			
2.2	**Show and appraise the time dimension of project appraisals.**	S2	- Presentations - Lecturing - Class discussions Projects/reports	- Quizzes - Class Participation - Midterm exam End-term exam
3.0	**Values, autonomy, and responsibility**			
3.1	**Demonstrate the better acquisition of techniques and objective discussion brainstorm to check that the project is feasible.**	V1 ; V2	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Class participation - Assignments - Mid-term exam End-term exam
3.2	**Demonstrate and illustrate the development of critical thinking if risks and uncertainty are presented.**	V3	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Class participation - Assignments - Mid-term exam 2 End-term exam

C. Course Content

No	List of Topics	Contact Hours
1.	**1- Introduction to project appraisal** 1.1. Meaning and overview of project appraisal 1.2. key issues in appraising projects 1.3. Aspects of project appraisal	6
2.	**2- Measuring costs and benefits in primary markets** 2.1. Valuing benefits in efficient markets 2.2. Valuing benefits in distorted markets 2.3. Measuring opportunity costs in efficient markets 2.4. Measuring costs in inefficient markets	6
3.	**3- Measuring costs and benefits in secondary markets** 3.1. Valuing benefits and costs in efficient secondary markets 3.2. Valuing benefits and costs in distorted secondary markets	6

4.	**4- Discounting costs and benefits, risk and uncertainty** 4.1. Time and discounting: approaches to discounting future benefits and costs 4.2. Types of risk and uncertainty in projects 4.3. Risk management	6
5.	**5- The social discount rate** 5.1. Social rate of time preference 5.2. Marginal social opportunity cost of capital 5.3. The social discount rate in practice around the world	6
6.	**6- Project appraisal according to observed behavior** 6.1. A proposed project: merits and acceptability 6.2. Feasibility overview 6.3. Compliance with the established criteria	6
7.	**7- Estimating demand and derived demand** 7.1. Estimating demand fonction 7.2. Estimating derived demand function	6
8.	**8. Project appraisal using preliminary information** 8.1. Evaluation types 8.2. Evaluation tools and approaches	3
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	3rd, 8th	10%
2.	Class Participation	During the whole semester	10%
3.	Midterm Exam 1	5th	15%
4.	Midterm Exam 2	9th	15%
5.	Group Report	11th	10%
6.	Final Exam	13th	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Cost-Benefit analysis, fifth edition, Anthony boardman, David Greenberg, aida, Vining, David Weimer, Sep 30, 2018.
Supportive References	Benefit-Cost Analysis: Financial and economic appraisal using spreadsheets, Harry F. (Cambell and Richard P.C. Brown, Cambridge University Press (June 16, 2003).
Electronic Materials	http://www.sama.gov.sa/ https://learn.saylor.org/course/ http://data.worldbank.org/ ▪ http://www.blackboard.com/Platforms/
Other Learning Materials	▪ **None**

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal to or less than 30
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	NA

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	-Head of the Department -Students	Direct
Effectiveness of Students assessment	-Teaching Staff -Head of the Department -College Quality Assurance Office	Direct
Quality of learning resources	-Faculty members -Students -Graduates	Direct
The extent to which CLOs have been achieved	-Faculty members & Coordinators -Head of the Department -College Quality Assurance Office	Direct
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
(Bachelor)

Course Title: **Managerial Economics**

Course Code: **0678-30**4

Program: **Business Economics**

Department: **Economics**

College: **School of Business**

Institution: **King Faisal University**

Version: **2023**

Last Revision Date: 16 March 2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

<table>
<tr><td colspan="6">2. Course type</td></tr>
<tr><td>A.</td><td>☐University</td><td>☐College</td><td>☒ Department</td><td>☐Track</td><td>☐Others</td></tr>
<tr><td>B.</td><td colspan="3">☐Required</td><td colspan="2">☐Elective</td></tr>
</table>

3. Level/year at which this course is offered: 6 / 3rd year

4. Course general Description:

This course discusses the concepts, theories and tools of economic analysis in sound managerial decision-making process and reach to find solutions to the problems of low efficiency performance facing administrators in their own businesses, and in the government departments, and even in charity facilities or business non-profit. Also, the course provides the economic theories and methods of mathematical and statistical analysis and its applications in the real world to the administrative decision-maker, in order to making sound administrative decisions.

5. Pre-requirements for this course (if any)**:**

Principles of Microeconomics

6. Co-requisites for this course (if any)**:**

None

7. Course Main Objective(s):

The aim of this course is to:
- Identify the firm, its goals and the environment where it operates.
- Identify the theoretical foundations and quantitative analysis tools used in the economic analysis to make sound management decisions in the local and global business environment.
- Find solutions to the problems of low efficiency performance facing administrators in their own businesses, and in government departments

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the importance and necessity of the use of scientific methods in management decisions, highlighting the cost of the decision-making with non-scientific ways.	K1 ; K2	- Lecturing - Presentations Class discussions	-Quizzes -Class Participation -Midterm exam 1 -End-term exam
1.2	Define the theoretical foundations (market patterns, the cost theory, the production theory, etc) to take economic management decisions.	K3	- Lecturing - Presentations - Class discussions Exercises/tutorials	-Quizzes -Class Participation -Midterm exam 1 -End-term exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
...				
2.0	**Skills**			
2.1	Analyze administrative problems and take the right decision and Measure the expected results of administrative decisions by using mathematical models	S1	- Presentations - Lecturing - Class discussions - Essay - projects/reports Exercises/tutorials	-Quizzes -Midterm exam 1 -End-term exam
2.2	Show and appraise how to lead the team and how to coordinate the efforts of its members	S2	- Presentations - Lecturing - Class discussions Essay projects/reports	-Quizzes -Class Participation -Midterm exam2 -End-term exam
...				
3.0	**Values, autonomy, and responsibility**			
3.1	Illustrate how to solve numerical exercises employing mathematical and quantitative tools in economic analysis, and interpret results.	V1 ; V2	- Exercises/tutorials - Class discussions - Essay projects/reports - Presentations - Online material - Group/Team work	-Class participation -Assignments -Mid-term exam 2 -End-term exam
3.2	Illustrate scientific thinking to interpret the results and to take the right decision in the firm.	V3	- Exercises/tutorials - Class discussions - Essay projects/reports - Presentations - Online material Group/Team work	-Class participation -Assignments -Mid-term exam 2 -End-term exam
...				

C. Course Content

No	List of Topics	Contact Hours
1.	**Goals of the firm and administrative decision** 1.1. Economics profit and accounting profit 1.2. Private and public environment of the firm	6

	1.3. The concept of market 1.4. Economic globalization and the administrative decision	
2.	**Review of the mathematical tools for economic analysis** 2.1. The first derivative of the differential functions 2.2. The demand curve equation and the equation of the inverse demand curve 2.3. Maximizing profit 2.4. Derivative demand equation of the demand curve equation	6
3.	**Demand, supply and market equilibrium** 3.1. Demand 3.2. Supply 3.3. The market equilibrium 3.4. Mathematical analysis of the market equilibrium	6
4.	**Elasticities of demand and supply** 4.1. The elasticities of demand 4.2. The price elasticity of supply 4.3. The net effect of the change of several factors on sales 4.4. The net effect of the change of several prices on revenue	6
5.	**The production theory** 5.1. The production function in the short term 5.2. The production function in the long term 5.3. The Estimation of the production function	6
6.	**The cost theory** 6.1 Costs related and not related to the decision 6.2 The relationship between production and costs in the short run 6.3 The costs of production in the long run	6
7.	**Market Goods and patterns: full competition, the monopoly and incomplete competition** 7.1. The full competition 7.2. The monopoly 7.3. The incomplete competition: Monopolistic competition and Oligopoly	6
8.	**Politics of pricing** 8.1. Pricing and the goals of the firm 8.2. The politics of pricing 8.3. Pricing and the competitive environment for markets	3
9.	**Demand for factors of production** 9.1. Demand for labor 9.2. Demand for natural resources 9.3. The demand for capital 9.4. Making an investment decision	3

10.	**Government and businesses** 10.1. Analysis of the business environment 10.2. Government intervention in the economy to deal with the market failures 10.3. Macroeconomic Policies	3

Total		

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	3rd, 8th	10%
2.	Class Participation	During the whole semester	10%
3.	Midterm Exam 1	5th	15%
4.	Midterm Exam 2	9th	15%
5.	Group Report	11th	10%
6.	Final Exam	13th	40%
...			

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Managerial Economics & Business Strategy 10th Edition By Michael Baye and Jeff Prince ISBN10: 1260940543 ISBN13: 9781260940541 Copyright: 2022
Supportive References	Managerial Economics: Foundations of Business Analysis and Strategy 13th Edition

	By Christopher Thomas and S. Charles Maurice
	ISBN10: 1260004759
	ISBN13: 9781260004755
	Copyright: 2020
	مبادئ الاقتصاد الإداري
	المؤلف: فريد بشير طاهر
	سنة النشر: ٢٠١٢
Electronic Materials	http://www.sama.gov.sa/ https://learn.saylor.org/course/ http://data.worldbank.org/ http://www.blackboard.com/Platforms/
Other Learning Materials	Websites for Microeconomics, Macroeconomics, Mathematics, etc.

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal to or less than 30
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	NA

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	-Head of the Department -Students	Direct
Effectiveness of Students assessment	-Teaching Staff -Head of the Department -College Quality Assurance Office	Direct
Quality of learning resources	-Faculty members -Students -Graduates	Direct
The extent to which CLOs have been achieved	-Faculty members & Coordinators -Head of the Department	Direct

Assessment Areas/Issues	Assessor	Assessment Methods
	-College Quality Assurance Office	
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
— (Bachelor)

Course Title:	**Labor Economics**
Course Code:	**0678-305**
Program:	**Business Economics**
Department:	**Economics**
College:	**School of Business Administration**
Institution:	**King Faisal University**
Version:	**2023**
Last Revision Date:	**16/03/2024**

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3......)

2. Course type

A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (Level 9 / 3th year ....)

4. Course general Description:

This course analyzes the factor of labor, addressing topics of labor supply and labor demand, theories and practice of wage determination, and how wage structures and wage differentials develop and evolve. Macro-institutional forces related to labor, labor markets, and wages are considered, including labor force participation, evolution and change in labor, employment, and unemployment. Trends, measurement and analyses of labor productivity, labor mobility, labor market discrimination, and the role of government and unions in labor markets are further considered.

5. Pre-requirements for this course (if any):

Principles of Macroeconomics -0678-102

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

The aim of this course is to:
1. Acquaint students with traditional topics in labor economics,
2. Help students to understand how labor markets work, and analyses the consequences of several labor market policies.
3. Encourage the development of research interests in this field.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		

No	Mode of Instruction	Contact Hours	Percentage
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the economic theory related to the labor market earnings and employment outcomes, Identify the fundamental assumption of labor demand and labor supply Recognize the human capital theory Understanding the wage determination theory and the	K.1, K.2	- Lectures - Exercises/tutorials - Directed readings - Class discussions - Assignments - Online material - Group/Team work	- Class participation - Assignments - Essays/projects/reports writing - Quizzes - Mid-term exam(s) - Final exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
	discrimination theory			
1.2	Assess the efficiency and equity effects of several government programs that affect labor supply and demand. Analyze the determinants of employment and unemployment and labor market policies.	K.3	- Lectures - Exercises/tutorials - Directed readings - Class discussions - Assignments - Online material - Group/Team work	- Class participation - Assignments - Essays/projects/reports writing - Quizzes - Mid-term exam(s) - Final exam
...				
2.0	**Skills**			
2.1	Analyze labor market data using econometric/quantitative methods and techniques to address and explain various economic problems or phenomena and government policies	S1 ,S2	- Lectures - Exercises/tutorials -Directed readings -Class discussions -Assignments -Essay projects/reports -Online material - Group/Team work	-Class participation -Assignments -self-evaluations - Essays/projects/reports writing - Group/Team work - Quizzes - Mid-term exam(s) - Final exam
2.2	Explain economic decisions in the macro and micro levels into the labor market for decision-making.	S3	- Lectures - Exercises/tutorials - Directed readings - Class discussions - Assignments - Essay projects/reports - Online material - Group/Team work	- Class participation - Assignments - self-evaluations - Essays/projects/reports writing - Group/Team work - Quizzes - Mid-term exam(s) - Final exam
...				
3.0	**Values, autonomy, and responsibility**			
3.1	Create research, reports, presentations and discussions with high standard critical thinking and reliable arguments in the field of labor economics	V1 ; V2	- Lectures - Exercises/tutorials - Class discussions - Essays/projects/reports -Online material - Group Team work	- Essays/projects/reports writing - Presentation - Assignments - Group/Team work
3.2	Discover economic, business and social factors influence labor market, employability,	V3	- Lectures - Exercises/tutorials - Class discussions - Essays/projects/reports - Online material - Group Team work	- Essays/projects/reports writing - Presentation - Assignments - Group/Team work

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
	entrepreneurship to improve economic welfare			
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Overview of the Labor Market	3
2.	The Demand for Labor	3
3.	Labor Demand Elasticities	3
4.	Frictions in the Labor Market	3
5.	Supply of Labor to the Economy: The Decision to Work	3
6.	Labor Supply	3
7.	Compensating Wage Differentials and Labor Markets	3
8.	Investments in Human Capital: Education and Training	3
9.	Worker Mobility: Migration, Immigration, and Turnover	3
10.	Pay and Productivity: Wage Determination Within the Firm	3
11.	Gender, Race, and Ethnicity in the Labor Market	3
12.	Unions and the Labor Market	3
13.	Unemployment	3
14.	Inequality in Earnings	3
15.	The Labor Market Effects of International Trade and Production Sharing	3
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Assignments (2*5%)	5th and 9th weeks	10%
3.	Midterm	6th week	30%
4.	Group Report	10th week	10%
5.	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Ehrenberg, R. G., & Smith, R. S. (2021). Modern labor economics: Theory and public policy. Routledge, 14 Edition.
Supportive References	Journal of Labor Economics Journal of Labor Market Research IZA Journal of Labor Economics
Electronic Materials	https://www.ilo.org/global/lang--en/index.htm https://glabor.org/ https://www.kaec.net/ http://erf.org.eg/ https://www.weforum.org/
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Head of the Department Students	Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)
Effectiveness of Students assessment	Teaching Staff Head of the Department College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	Faculty members & Coordinators Head of the Department College Quality Assurance	Course evaluation results/CES

Assessment Areas/Issues	Assessor	Assessment Methods
	Office .	
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification

— (Bachelor)

Course Title: Advanced Econometrics	
Course Code: 0678-307	
Program: Business Economics	
Department: Economics	
College: School of Business Administration	
Institution: King Faisal University	
Version: 2023	
Last Revision Date: 15 March 2024	

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (level 6/year 3)

4. Course general Description:

This course covers the statistical tools needed to understand empirical economic research and to plan and execute independent research projects. Topics include statistical inference, regression, generalized least squares, instrumental variables, simultaneous equations models, and evaluation of government policies and programs.

5. Pre-requirements for this course (if any)**:**

Introductory Econometrics

6. Co-requisites for this course (if any)**:**

None

7. Course Main Objective(s):

On successful completion of this course, students should be able to:
-Present an advanced treatment of econometrics principles for cross-sectional, panel and time-series data sets.
-Use linear models, non-linear models and the generalized methods of moments.
-Use modern econometric techniques, addressing both technical derivations and practical applications in the areas of microeconomics, macroeconomics and finance.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	45
2	E-learning		

No	Mode of Instruction	Contact Hours	Percentage
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Recognize the econometric methods for analyzing economic data theoretically and empirically and how to treat certain problems in the econometric models.	K.1, K.3	- Lecturing - Presentation Class discussions	- Quizzes - Class Participation - Midterm exam End-term exam
1.2	Identify the analytical method appropriate for analysis of each data type and variables included in the model and generate the results empirically	K.2	- Lecturing - Presentations - Class discussions Exercises/tutorials	- Quizzes - Class Participation - Midterm exam End-term exam
2.0	**Skills**			

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
2.1	Use professional econometric software to estimate, test, and examine models for explaining relationships between economic variables and summarize the results.	S.1	- Presentations - Lecturing - Class discussions - Projects/reports Exercises/tutorials	- Quizzes - Midterm exam End-term exam
2.2	Investigate problems in the data and the empirical results driven by the estimated model based on insights from theory in economics and econometrics.	S.2	- Presentations - Lecturing - Class discussions Projects/reports	- Quizzes - Class Participation - Midterm exam End-term exam
3.0	**Values, autonomy, and responsibility**			
3.1	Prepare empirical research and academic work in group work in the field economics/econometrics with appropriate arguments, hypotheses tests and conclusions.	V.1, V.3	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Class participation - Assignments - Mid-term exam End-term exam
3.2	Criticize the estimation results and the implication of when assumptions of the classical linear model are violated	V.2	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Class participation - Assignments - Mid-term exam 2 End-term exam

C. Course Content

No	List of Topics	Contact Hours
1.	**1. Instrumental variables in single equation models** **1.1 Endogeneity bias** **1.2 Instrumental variables selection and reduced model** **1.2 Two-stage least squares** **1.3 Generalized method of moments**	**6**
2.	**2. Simultaneous equations models** **2.1 The use of structural models**	**6**

	2.2 Simultaneous equations bias	
	2.3 The identification problem	
	2.4 IV for the SEM	
	2.5 Two-stage least squares	
3.	**3. Panel data analysis** **3.1 Pooled model** **3.2 Fixed effects** **3.3 Random effects** **3.3 Hausman test**	9
4.	**4. Regression with time series data** **4.1 Stationarity and unit root tests** **4.2 Cointergration**	6
5.	**5. Multivariate time series analysis** **5.1 Vector Autoregressive Model** **5.2 Vector Error Correction Model**	6
6.	**6. Volatility and ARCH Models**	6
7.	**7. Qualitative and Limited Dependent Variable Models** **7.1 Logit and probit binary model** **7.2 Multinomial models** **7.3 Ordered response models**	6
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Assignments (2*5%)	5th and 9th weeks	10%
3.	Midterm	6th week	30%
4.	Group Report	10th week	10%
5.	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). Principles of econometrics. John Wiley & Sons.

	Greene WH (2018) Econometric Analysis. Pearson
Supportive References	**Verbeek M (2018) A Guide to Modern Econometrics. Wile**
Electronic Materials	http://www.econometricsbooks.com/ www.msu.edu/~ec/faculty/wooldridge/book2.htm. www.ibm.com/software/analytics/spss/ http://www.sama.gov.sa/ http://data.worldbank.org/
Other Learning Materials	**Excel/Stata/Eviews/R/econometric software**

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	**Classroom capacity should be equal or less than 30 students, a computer lab**
Technology equipment (projector, smart board, software)	**Smart Board, LCD projector, 30 personal computers, Blackboard/LMS access, e-podium.**
Other equipment (depending on the nature of the specialty)	**None**

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)
Effectiveness of Students assessment	- Teaching Staff - Head of the Department College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office .	Course evaluation results/CES
Other	- Head of the Department Students	- Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification

— (Bachelor)

Course Title: Principles of Islamic Economics

Course Code: 0678-311

Program: Business Economics

Department: Economics

College: School of Business Administration

Institution: King Faisal University

Version: 2023

Last Revision Date: 16/3/2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☐Required		☒ Elective		

3. Level/year at which this course is offered: (Level 10/4rd year)

4. Course general Description:

Islamic economics studies human behaviour guided by the teachings of Islam to attain the purpose of life defined by the religion . The main objective of the study of Islamic economics is to understand the moral economy as specified in Shari'ah in different economic fields of consumption, investment, government expenditures, trade, money and finance.

5. Pre-requirements for this course (if any):

Principles of Macroeconomics 0678-102

6. Co-requisites for this course (if any):

7. Course Main Objective(s):

This course allows the student to develop a critical understanding of the development of Islamic economic and finance theory and become more appreciative of the contributions made by Muslim thinkers. Other than referring to the Quran and Sunnah as the key referral materials, this course also discusses the related theories and the current economics and finance issues from both the conventional and Islamic point of view. The purpose of this course is to introduce students the main Islamic economics concepts and familiarize students with the application of these concepts to the modern economy.

On successful completion of this course, students should be able to:

1- Providing basic knowledge of the principles of Islamic economics and the Islamic economic system,
2- developing skills necessary to appreciate an alternative to a commonly familiar approach of interpreting the economic behavior of men and women in the society, and
3- Helping the students probe liberally outside the frontiers of familiar forms of capitalist and socialist systems.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	**45**	**100%**
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	**45**
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Define an economic system as a collection of institutions dealing with production, exchange,distribution, and redistribution	**K1 ; K2**	- Lecturing - Presentation - Class discussions	- Quizzes - Class - Participation - Midterm exam -End-term exam
1.2	Define institutions as rules and norms	**K3**	- Lecturing - Presentations - Class - discussions	- Quizzes - Class - Participation - Midterm exam - End-term exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
			-Exercises/tutorials	
...				
2.0	**Skills**			
2.1	Discuss the Islamic economic system which differs from economic systems recommended by other schools of thought	S1	- Presentations - Lecturing - Class discussions - Projects/reports - Exercises/tutorials	- Quizzes - Midterm exam - End-term exam
2.2	Demonstrate understanding of how does system without interest rates functions	S2	- Presentations - Lecturing - Class discussions - Projects/reports	- Quizzes - Class - Participation - Midterm exam - End-term exam
...				
3.0	**Values, autonomy, and responsibility**			
3.1	Provide a basic knowledge of the principles of Islamic economics and the Islamic economic system.	V1 ; V2	- Class discussions Essay projects/reports - Presentations - Online material - Group/Teamwork	- Class - participation - Assignments - Mid-term exam - End-term exam
3.2	Interpret the most important Macroeconomic theories and Develop skills necessary to appreciate an alternative to a commonly familiar approach of interpreting the economic behavior of men and women in society	V3	- Class discussions Essay projects/reports - Presentations - Online material - Group/Teamwork	- Class participation - Assignments - Mid-term exam 2 - End-term exam
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Mankind's Economic Problems and Their Islamic Solutions, 1.1. Mawdudi puts forward his holistic approach to solving mankind's economic problems. 1.2. Partial and mere emphasis of technicalitiessomething that dominates	6
2.	– Economic Teachings of the Qur'an, Mawdudi discusses the Qur'anic 2.1. scheme for economic wellbeing of mankind that includes ensuring economic justice by checking imbalances and exploitations 2.2. Economic and moral values are integrated	6
3.	The Differences Between Islam and Capitalism 3.1. The fundamental Quranic injunction	6

	3.2. The capitalist system	
4.	The Economic Philosophy of Islam 4.1 Equality of opportunity 4.2 The Principles and Objectives of Islam's Economic System.	6
5.	Fundamentals of human life, religion and economics 5.1. Purpose of life 5.2. Religion defines the purpose 5.3. Economics sustains life	6
6.	Ethics, Morality and Economic Performance 6.1 Role of ethics in economics 6.2. How morality affects economic performance 6.3 Positive and normative distinction	6
7.	Microeconomic theories from Islamic perspective 7.1. Consumption behavior in Islamic perspective 7.2. Production criteria in Islamic perspective 7.3. Role of markets in Islam 7.4. Public goods and externalities	3
8.	Macroeconomic theories from Islamic perspective 8.1 Consumption 8.2 Investment 8.3 Government expenditure 8. 4 International trade 8.5 Monetary policy in Islam	3
9.	Public finance and fiscal policy 9.1. Taxation in Islam 9.2. Zakat collection and redistribution	3

Total		45

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	**Quizzes (2*5%)**	**4th and 8th weeks**	**10%**
2.	**Assignments (2*5%)**	**5th and 9th weeks**	**10%**
3.	**Midterm**	**6th week**	**30%**
4.	**Group Report**	**10th week**	**10%**
5.	**End-term exam**	**13th week**	**40%**
...			

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	1 The Islamic Economic System From a Normative Point of View Design Based on Questionnaire Tool Year 2023, Volume 3, Issue 1, 1 - 30, 15.01.2023 Amine AOUISSI 2. Askari, H., Iqbal, Z. & Mirakhor, A. (2015) Introduction to Islamic Economics: Theory and Practice, Singapore: John Wiley& Sons. (1) 3. ISRA (2018) Islamic Economics: Principles and Analysis, Kuala Lumpur: ISRA. (2)
Supportive References	• AL-ZARQA, MOHAMMAD A., "Economic Policy and Planning in the Islamic Societies" in Financial Administration in Islam, Vol 3, pp 1237-1245, The Royal Institute of Islamic Civilization Research: Amman, Jordan. • Kahf, Monzer. (The author includes the objective of: Maximum Resource Utilization). Maududi, S.A.A. The Economic System of Islam
Electronic Materials	**https://doi.org/10.55237/jie.1094966** **http://www.islamic-finance.com/study.htm** http://www.blackboard.com/Platforms/
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) - Course evaluation survey (QMS Annex B
Effectiveness of Students assessment	- Teaching Staff - Head of the Department - College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators	Course evaluation results/CES

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

Assessment Areas/Issues	Assessor	Assessment Methods
	- Head of the Department - College Quality Assurance Office	
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
— (Bachelor)

Course Title:	**Industrial Economics**
Course Code:	**0678-401**
Program:	**Business Economics**
Department:	**Economics**
College:	**School of Business Administration**
Institution:	**King Faisal University**
Version:	2023
Last Revision Date:	17/3/2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: 3

2. Course type

A.	☐University	☐College	☐Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: Level 9 / 3rd year

4. Course general Description:

This course provides an introduction to current theory and empirical work in Industrial economics. It starts by examining the internal structure of firms. It then moves on to the Analysis of various aspects of strategic interaction between firms and the determinants of industrial structure. Finally, it discusses the role of policy in the context of competition and industrial policies and regulation. The emphasis will be throughout on understanding how the theoretical tools can be used to analyze real world issues. The theory will be confronted against empirical evidence, and its implications for public policy and business strategy will be discussed.

5. Pre-requirements for this course (if any):

Principles of Macroeconomics-0605-102

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

The main purpose for this course is to provide an introduction to current theory and empirical work in Industrial economics.

At the end of this course, students will be able to:

1. Provide students with the analytical skills required for understanding problems in industrial economics, including applications of game theory
2. Examine the key questions on the internal organization of firms.
3. Analyze various aspects of strategic interaction between firms and the determinants of industrial structure.

Provide students with the ability to apply economic models of firm behavior to analyze questions in business strategy, competition policy and regulation.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		**45**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Describe and list the determinants of the size and structure of firms and the implications of the separation of ownership and control	K1	- Lecturing - Presentation - Class discussions	- Quizzes - Class Participation - Midterm exam End-term exam
1.2	Recognize the organization of markets affecting the behavior of firms and the market performance.	K2	- Lecturing - Presentations - Class discussions - Exercises/tutorials	- Quizzes - Class Participation - Midterm exam End-term exam
...				

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
2.0	**Skills**			
2.1	Analyze the theoretical insights presented in this course to explain observed features of particular markets and industries.	S1	- Presentations - Lecturing - Class discussions - Projects/reports - Exercises/tutorials	- Quizzes - Midterm exam - End-term exam
2.2	Illustrate intelligently in discussions of major topics and theories in the field of Industrial Organization.	S2	- Presentations - Lecturing - Class discussions Projects/reports	- Quizzes - Class Participation - Midterm exam - End-term exam
3.0	**Values, autonomy, and responsibility**			
3.1	Create research, presentations and discussions with high standard critical thinking and reliable arguments in the field of industrial economics.	V1	- Class discussions Essay projects/reports - Presentations - Online material - Group/Teamwork	- Class participation - Assignments - Mid-term exam - End-term exam
3.2	Interpret industrial policy and economic research and development.	V2	- Class discussions Essay projects/reports - Presentations - Online material - Group/Teamwork	- Class participation - Assignments - Mid-term exam 2 - End-term exam
…				

C. Course Content

No	List of Topics	Contact Hours
1.	**Part I Theoretical Foundations** - Industrial organization: an introduction - Production, costs, demand and profit maximization - The neoclassical theory of the firm - Managerial and behavioral theories of the firm	9
2.	**Part II Structural Analysis of Industry** - Oligopoly: non-collusive models - Oligopoly: collusive models - Barriers to entry	12
3.	**Part III Analysis of Firm Strategy**	15

	- Pricing - Product differentiation - Research and development - Horizontal mergers and strategic alliances - Vertical integration - Vertical restraints	
4.	**Part IV Analysis of Public Policy** - Competition policy	9
Total		45

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	4th and 8th weeks	10%
2.	Assignments (2*5%)	5th and 9th weeks	10%
3.	Midterm	6th week	30%
4.	Group Report	10th week	10%
5.	End-term exam	13th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Industrial Organization: Competition, Strategy and Policy, 5th edition, John Lipczynski , John Goddard, John O.S. Wilson, Industrial Organization ISBN-13: 9781292121710.
Supportive References	Cabral, L. Introduction to Industrial Organization. (Cambridge, MA: MIT Press, 2000) [ISBN 9780262032865]. Further Reading Materials: Tirole, J. The Theory of Industrial Organization. (Cambridge, MA: MIT Press, 1988) [ISBN 9780262200714 Church, J.R. and R. Ware *Industrial Organization: A Strategic Approach.* (Irwin McGraw-Hill, 2000) [ISBN 9780256205718 Carlton, D.W. and J.M. Perloff *Modern Industrial Organization.* (Pearson Addison Wesley, 2005) fourth edition [ISBN 9780321223418]. Martin, S. *Industrial Economics* (Englewood Cliffs, NJ: Prentice Hall, 1994) second edition [ISBN 9780023767869] Shy, O. *Industrial Organization.* (Cambridge, MA: MIT Press, 1995) [ISBN 9780262691796].

Electronic Materials	A good collection of case studies in antitrust (competition) policy is: www3.oup-usa.org/sc/0195161181 http://www.sama.gov.sa/ https://learn.saylor.org/course/ http://data.worldbank.org/ http://www.blackboard.com/Platforms/ <div dir="rtl">مصادر ومراجع بيانات المكتبة الرقمية لجامعة الملك فيصل.</div>
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) - Course evaluation survey (QMS Annex B)
Effectiveness of Students assessment	- Teaching Staff - Head of the Department College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office .	Course evaluation results/CES
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council

REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification

— (Bachelor)

Course Title:	**Environmental Economics**
Course Code:	**0678-402**
Program:	**Business Economics**
Department:	**Economics**
College: :	**School of Business Administration**
Institution:	**King Faisal University**
Version:	**2023**
Last Revision Date:	**16/03/2024**

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3......)

2. Course type

A.	☐University	☒ College	☐Department	☐Track	☐Others
B.	☒ Required		☐Elective		

3. Level/year at which this course is offered: (Level 9 / 3th year ....)

4. Course general Description:

This course aims at equipping students with economic methods and tools to analyze basic environmental issues while strengthening group work skills. This course combines theoretical analysis with discussions on specific environmental policies as applied to water, air pollution, energy, climate change and human health issues. Within these examples, particular topics that will be covered are the concepts of sustainability, microeconomic analysis of environmental regulation, the problem of social cost, policy instrument choice, and estimating costs and benefits of environmental improvements via revealed preferences (hedonic analysis, travel cost method, household production) or stated preferences.

5. Pre-requirements for this course (if any):

Principles of Microeconomics-0605-101

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

Discusses the economic policies needed to substitute, allocate, and preserve economic resources.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid		

No	Mode of Instruction	Contact Hours	Percentage
	• Traditional classroom • E-learning		
4	Distance learning	45	100%

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Describe the arising problems in Environmental	K1 ; K2	- Lecturing - Presentation Class discussions	- Quizzes - Class Participation - Midterm exam End-term exam
1.2	Recall solutions for the Environmental problems	K3	- Lecturing - Presentations - Class discussions Exercises/tutorials	- Quizzes - Class Participation - Midterm exam End-term exam
...				
2.0	**Skills**			
2.1	Analyzing theoretical knowledge in Environmental	S1	- Presentations - Lecturing - Class discussions - Projects/reports	- Quizzes - Midterm exam End-term exam

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
			Exercises/tutorials	
2.2	Compare research (preparing, carrying out, writing) in Environmental	S2	- Presentations - Lecturing - Class discussions Projects/reports	- Quizzes - Class Participation - Midterm exam End-term exam
2.3	Recall the knowledge Creativity in using analytical tools in Environmental	S3	- Presentations - Lecturing - Class discussions Projects/reports	- Quizzes - Class Participation - Midterm exam End-term exam
3.0	Values, autonomy, and responsibility			
3.1	Participating in finding constructive solutions for some society issues	V1 ; V2	Individual Presentation	Assessment
3.2	Commitment and responsible citizenship	V3	Individual Presentation	Assessment
...				

C. Course Content

No	List of Topics	Contact Hours
1.	What is Environmental Economics?	4.5
2.	The Economy and the Environment	4.5
3.	Supply and Demand	4.5
4.	Markets, Externalities, and Public Goods	6
5.	The Economics of Environmental Quality	6
6.	Benefit–Cost Analysis	4.5
7.	Environmental Taxes and Subsidies	6
8.	Market Trading Systems	4.5
9.	Economic Development and the Environment	4.5
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	5th, 9th	10%
2.	Mid Term Exam	8th	30%
3.	Presentation and oral exams	14th	10%
4.	Group Report	15th	10%
5.	Final Exam	16th	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	- Hanley, N., Shogren, J., & White, B. (2019). Introduction to environmental economics. 3th Edition. Oxford University Press.
Supportive References	- Keohane, N. O., & Olmstead, S. M. (2007). Markets and the Environment. Washington: Island Press. Tietenberg, T. H., & Lewis, L. (2016). Environmental and natural resource economics. Routledge.
Electronic Materials	EconLit, JSTOR, American Environmental Agency website and European Environmental Agency.
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal or less than 30 students
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	- Head of the Department Students	- Classroom observation (QMS Annex O and P) Course evaluation survey

Assessment Areas/Issues	Assessor	Assessment Methods
		(QMS Annex B)
Effectiveness of Students assessment	- Teaching Staff - Head of the Department College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	Faculty members/ students/ Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	- Faculty members & Coordinators - Head of the Department - College Quality Assurance Office .	Course evaluation results/CES
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
(Bachelor)

Course Title:	Energy Economics
Course Code:	0678-403
Program:	Business Economics
Department:	Economics
College:	School of Business
Institution:	King Faisal University
Version:	2023
Last Revision Date:	17/03/2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☐ College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		

3. Level/year at which this course is offered: (Level 7 / 4nd year)

4. Course general Description:

This course explores the theoretical and empirical perspectives on individual and industrial demand for energy, energy supply, energy markets, and public policies affecting energy markets. It discusses aspects of the oil, natural gas, electricity, and nuclear power sectors and examines energy tax, price regulation.

5. Pre-requirements for this course (if any): Principles of Microeconomics-0678-101

6. Co-requisites for this course (if any): None

7. Course Main Objective(s):

The main purpose for this course is to provide students the energy economics tools necessary to prepare them for graduate work in Business economics.

Energy Economics Course objectives:

- Define major energy problem.
- Discuss various type of energy.
- Analyze the demand of energy over the economy.
- Identify the role of the price of energy worldwide.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		

No	Mode of Instruction	Contact Hours	Percentage
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Describe the arising problems in energy markets	K1 ; K2	- Lecturing - Presentation Class discussions	- Quizzes - Midterm exam End-term exam
1.2	Recall solutions for the problems	K3	- Lecturing - Presentations - Class discussions Exercises/tutorials	- Quizzes - Midterm exam End-term exam
2.0	**Skills**			
2.1	Analyzing Energy theoretical knowledge and framework	S1	- Presentations - Lecturing - Class discussions - Projects/reports Exercises/tutorials	- Quizzes - Midterm exam End-term exam
2.2	**Design a related energy topic of your choice to present to the class.**	S2	- Presentations - Lecturing - Class discussions Projects/reports	- Quizzes - Midterm exam End-term exam
3.0	**Values, autonomy, and responsibility**			

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
3.1	Demonstrate the theory of energy markets and critically engage with market design issues and policy questions.	V1 ; V2	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Assignments - Mid-term exam End-term exam
3.2	Understand the economics of climate change and ethical questions that a raise.	V3	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Assignments - Mid-term exam 2 End-term exam

C. Course Content

No	List of Topics	Contact Hours
1.	1- Energy resources 1.1 Introduction to the Energy System . . . . 1.2 Definition of energy. 1.3 Types of energy. 1.4 Important of energy.	6
2.	3. Energy Data and Energy Balance 2.1 Introduction 2.2 Energy Basics 2.3 Energy Defined 2.4 Alternative Classifications of Energy	6
3.	2- Energy markets 3.1 Introduction of energy worldwide. 3.2 Demand and supply of energy. 3.3 World market of energy.	6
4.	4-Energy Demand Forecasting 4.1 Introduction	6

	4.2 Simple Approaches 4.3. Advanced or Sophisticated Techniques 4.4 Econometric Approach to Energy Demand Forecasting	
5.	5-Energy market structure 5.1- Market types. 5.2- Energy market analysis. 5.3- world energy market structure.	6
6.	6- Energy resources and the optimal allocation of resources 6.1- Types of energy resources. 6.2- Demand on different types of energy resources. 6.3- The effect of the technology on the energy recourses demand.	6
7.	6- Economics of Fossil Fuel Supply 7.1 Oil Production 7.2 Production Decline and Initial Production Rate 7.3 Gas Production 7.4 Coal Production	3
8.	8-The role of energy in economic development 8.1- Importance of different type of energy in the economy. 8.2- Difference in the demand of energy between developed and developing economy. 8.3- Energy the key of developing.	3
9.	9-The role of energy in economic development: the case of Saudi Arabian 9.1- Importance of different type of energy in Saudi economy. 9.2- Saudi economy and energy over history. 9.3- Prospect view of the demand on energy in the future of Saudi Arabia.	3
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	3rd, 8th	10%
2.	Class Participation	During the whole semester	10%
3.	Midterm Exam 1	5th	15%
4.	Midterm Exam 2	9th	15%
5.	Group Report	11th	10%
6.	Final Exam	13th	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Energy Economics Theory and Applications- second edition -2017 • Authors: Peter Zweifel, Aaron Praktiknjo, Georg Erdmann Book of Energy Economics كتاب اقتصاديات الطاقة Authors: **Ahmed alyaseri, Heider Nima** • February 2021- Publisher: مطبعة النبراس اقتصاديات الطاقة أحمد ناصر الراجحي / لمحمد حامد عبدالله 2020:تاريخ النشر- الطبعة الثانية
Supportive References	
Electronic Materials	https://en.wikipedia.org/wiki/RePEc http://www.e-elgar.com/shop/isbn/9781852785802 ▪ https://web.archive.org/web/20141207140146/http://www.nbr.org/publications/issue.aspx?id=306
Other Learning Materials	▪ **None**

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal to or less than 30
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	NA

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	-Head of the Department -Students	Direct
Effectiveness of Students assessment	-Teaching Staff -Head of the Department -College Quality Assurance Office	Direct
Quality of learning resources	-Faculty members -Students -Graduates	Direct
The extent to which CLOs have been achieved	-Faculty members & Coordinators -Head of the Department -College Quality Assurance Office	Direct
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Course Specification
— (Bachelor)

Course Title:	Graduation Project
Course Code:	0678-404
Program:	Business Economics
Department:	Economics
College:	School of Business
Institution:	King Faisal University
Version:	2023
Last Revision Date:	16/03/2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A.	☐University	☐ College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (Level 7 / 3 year)

4. Course general Description:

This course improves student's research capabilities, and the opportunity to practice independent thinking and familiarity with econometric techniques applicable to microeconomics and macroeconomics research topics.

5. Pre-requirements for this course (if any):

Principles of Macroeconomics (0678-102) and Introduction to Econometrics (0678-302)

6. Co-requisites for this course (if any): None

7. Course Main Objective(s):

- The main purpose for this course is to provide students with opportunities to apply and implement the skills gained during all other courses studied in the program toward providing a solution to a specific economic problem. The graduation project provides the opportunity for students to work in groups under academic supervision.

On successful completion of this course, students should be able to:

1. Demonstrate a familiarity with the current literature and an ability to review, select, read and critically discuss scientific papers relevant to the identified problem;
2. Practicing team work and synergy with other students and with the advisors and the program coordinator

Demonstrate communication skills, including report writing and oral presentation.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100
2	E-learning		

No	Mode of Instruction	Contact Hours	Percentage
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Memorize the required theoretical background at the micro levels of the economy	K1 ; K2	- Lecturing - Presentation Class discussions	- Quizzes - Class Participation End-term exam
1.2	Recognize the required theoretical background at the macro levels of the economy	K3	- Lecturing - Presentations - Class discussions Exercises/tutorials	- Quizzes - Class Participation End-term exam
2.0	**Skills**			
2.1	Develop different techniques of economic analysis	S1	- Presentations - Lecturing - Class discussions - Projects/reports Exercises/tutorials	- Quizzes - Midterm exam End-term exam
2.2	Apply mathematics and econometrics at the	S2	- Presentations - Lecturing	- Quizzes

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
	introductory and advanced levels to predict economic performance.		- Class discussions - Projects/reports	- Class Participation End-term exam
2.3	Appraise different economic policy alternatives using effective and critical thinking skills to make an appropriate business related decisions	S3	- Presentations - Lecturing - Class discussions Projects/reports	- Quizzes - Class Participation End-term exam
3.0	**Values, autonomy, and responsibility**			
3.1	Show effective communication, time management and organization skills while working with individuals and teams	V1 ; V2	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Class participation - Assignments - Mid-term exam End-term exam
3.2	Demonstrate leadership capabilities at the class room level first then at the outer level	V3	- Class discussions Essay projects/reports - Presentations - Online material Group/Teamwork	- Class participation - Assignments - Mid-term exam 2 End-term exam
3.3	Show effective communication, time management and organization skills while working with individuals and teams	V3	-	-

C. Course Content

No	List of Topics	Contact Hours
1.	Discuss with students the method of selecting the graduation project	6
2.	Determine the subject of the project and assign references to students to read about the project	6
3.	Discuss with students the ways to build the project and set a timetable for project.	6

4.	Theoretical explanation for the building and writing of the project and the preparation of the report	6
5.	Implementation of the project (and processing requirements)	6
6.	Showing initial outputs of the project	6
7.	Rehearse final presentation with advisor	9
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (2*5%)	3rd, 8th	10%
2.	Class Participation	During the whole semester	10%
3.	Midterm Exam 1	5th	15%
4.	Midterm Exam 2	9th	15%
5.	Group Report	11th	10%
6.	Final Exam	13th	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	The Econometrics Journal - Wiley Online Library The Royal Economic Society
Supportive References	The Econometrics Journal - Wiley Online Library The Royal Economic Society
Electronic Materials	http://www.econometricsbooks.com/ www.msu.edu/~ec/faculty/wooldridge/book2.htm. www.ibm.com/software/analytics/spss/ http://www.econometricsbooks.com/
Other Learning Materials	▪ Excel/ SPSS/ Eviews

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom capacity should be equal to or less than 30

Items	Resources
Technology equipment (projector, smart board, software)	Smart Board, LCD projector, Blackboard/LMS access, e-podium.
Other equipment (depending on the nature of the specialty)	NA

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	-Head of the Department -Students	- Classroom observation (QMS Annex O and P) Course evaluation survey (QMS Annex B)
Effectiveness of Students assessment	-Teaching Staff -Head of the Department -College Quality Assurance Office	Verification/ CES/PES
Quality of learning resources	-Faculty members -Students -Graduates	Course review / course reports/CES/PES/EES
The extent to which CLOs have been achieved	-Faculty members & Coordinators -Head of the Department -College Quality Assurance Office	Course evaluation results/CES
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	13th meeting, Second semester: 1444/1445
DATE	19/03/2024

Field Experience Specification

Course Title: **Cooperative Training**	
Course Code: **0678-499**	
Program: **Business Economics**	
Department: **Economics**	
College: **School of Business Administration**	
Institution: **King Faisal University**	
Field Experience Version Number: **3**	
Last Revision Date: **17/09/2024**	

Table of Contents

A. Field Experience Details:

1. Credit hours: (6).

2. Level/year at which Field Experience is offered: (8th level/ 4th year).

3. Time allocated for Field Experience activities

| (24) Weeks | (120) Days | (720) Hours |

4. Corequisite (or prerequisites if any) to join Field Experience

None

5. Mode of delivery

| ☒ In-person/onsite | ☐ hybrid (onsite/online) | ☐ Online |

B. Field Experience Course Learning Outcomes (CLOs), Training Activities and Assessment Methods

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
1.0	**Knowledge and understanding**				
1.1	Recognize the actual environment in the business and related areas.	K1, K2	Hands-on experience Job shadowing	Progress reports	Academic Supervisor
1.2	Describe the fields and the nature of the training organization.	K1, K3	Hands-on experience Job shadowing	Progress reports	Academic Supervisor
2.0	**Skills**				
2.1	**Develop a critical ability in applying economics to practical scenarios**	S1, S2	Hands-on experience Job shadowing	Final report Oral presentation	Academic Supervisor

2.2	**Preparing the final report according to actual practice.**	S3, S4	Workshop Hands-on experience Job shadowing	Final report Oral presentation	Academic Supervisor
3.0	**Values, autonomy, and responsibility**				
3.1	**Use of skills and knowledge of economic theory and its application to business analysis**	V1	Workshop Hands-on experience Job shadowing	Final report Employer evaluation	Academic Supervisor Employer
3.2	**Demonstrate a strong analytical skill with statistical methods used business milieu and the ability to apply them to real world challenges**	V3	Workshop Hands-on experience Job shadowing	Employer evaluation	Employer

*Assessment methods (i.e., practical test, field report, oral test, presentation, group project, essay, etc.).

4

C. Field Experience Administration

1. Field Experience Flowchart for Responsibility

Including units, departments, and committees responsible for field experience identifying by the interrelations.

There are four entities, which perform an important role, and have a major responsibility, in the development and successful completion of the cooperative training program. These are:

• Cooperative Training Unit within the college.

• Training Organizations.

• Academic Supervisors.

• Academic Departments.

2. Distribution of Responsibilities for Field Experience Activities

Activities	Department or College	Teaching Staff	Student	Training Organization	Field Supervisor
Selection of a field experience site	✓				
Selection of supervisory staff	✓				
Provision of the required equipment			✓	✓	
Provision of learning resources	✓			✓	
Ensuring the safety of the site	✓			✓	
Commuting to and from the field experience site		✓	✓		
Provision of support and guidance	✓	✓		✓	✓
Implementation of training activities (duties, reports, projects …)	✓	✓	✓		✓
Follow up on student training activities		✓			✓
Monitoring attendance and leave		✓		✓	✓
Assessment of learning outcomes	✓	✓			
Evaluating the quality of field experience			✓	✓	
Others (specify)					

3. Field Experience Location Requirements

Suggested Field Experience Locations	General Requirements*	Special Requirements**
Ministry of finance and central bank **Banking and financial sector** **Aramco** **Government** **Other financial, commercial and services organizations.**	• Internet. • A user account within the organization intranet to allow students to work on information systems in use. • Allow students to attend a variety of training courses and participate to internal and external events to develop knowledge and skills.	**None**

*E.g. provides information technology, equipment, laboratories, halls, housing, learning sources, clinics … etc.
** E.g. Criteria of the institution offering the training or those related to the specialization, such as safety standards, dealing with patients in medical specialties … etc.

4. Decision-Making Procedures for Identifying Appropriate Locations for Field Experience

• **Searching for potential field experience opportunities based on the above requirements.**

• **A contract is signed with the chosen training organizations, which includes terms and conditions for the management of risk and responsibility of all parties.**

• **Encourage the training organization to involve student in real work related to their domain and knowledge and skills.**

• **In case of unavailability, students can suggest a field experience site with minimal requirements.**

5. Safety and Risk Management

Potential Risks	Safety Actions	Risk Management Procedures
Data protection and confidentiality	Orientation and awareness sessions	Students will be informed about the importance of data protection confidentiality as well as general directives to protect organization data and systems.
Ethical risks	Awareness lecture	Students are encouraged to work ethically to preserve both university and organization reputation.

D. Training Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
• Satisfaction level on KFU graduates. • Assessment of KFU graduates directly after being employed. • Improvement of KFU graduates' skills during employment.	Training Organization	Indirect Assessment
Effectiveness of the field experience program in developing students' skills.	Students	Indirect Assessment

Evaluation areas (e.g., Effectiveness of Training and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)
Evaluators (Students, Supervisory Staff, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

E. Specification Approval Data

COUNCIL /COMMITTEE	Economic Department Council
REFERENCE NO.	4th meeting, First semester: 1445/1446
DATE	25/09/2024