



## Course Syllabus

1	Course title	Principles of Agricultural Economics	
2	Course number	0605101	
3	Credit hours	3	
	Contact hours (theory, practical)	3,0	
4	Prerequisites/corequisites	Calculus 101	
5	Program title	Bachelor in Agricultural Economics & Agribusiness	
6	Program code		
7	Awarding institution	University of Jordan	
8	School	Agriculture	
9	Department	Agricultural Economics & Agribusiness	
10	Course level	First year	
11	Year of study and semester (s)	First semester 2023/2024	
12	Other department (s) involved in teaching the course	None	
13	Main teaching language	English	
14	Delivery method	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online	
15	Online platforms(s)	<input type="checkbox"/> Moodle <input type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
16	Issuing/Revision Date	20/9/2023	

### 17 Course Coordinator:

Name: Dr. Mohammad Tabieh	Contact hours: 11:30-13:00 Sun, Mon, Wed
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Email: <a href="mailto:m.tabieh@ju.edu.jo">m.tabieh@ju.edu.jo</a>	



### 18 Other instructors:

Name:

Office number:

Phone number:

Email:

Contact hours:

Name:

Office number:

Phone number:

Email:

Contact hours:

### 19 Course Description:

As stated in the approved study plan.

This course covers basic principles of microeconomic theory as it applied to agriculture. It is an introductory economic course intended for undergraduate students, who are completely beginners. It covers economic principles and cost concepts and their application to agriculture.

### 20 Course aims and outcomes



### A- Aims:

- 1-Students will be able to understand and explain basic economic theory.
- 2-Students will be able to identify and describe economic theory and it's real world applications
- 3-Students will be able to identify the basic strength and shortcoming of economic theory.

Successful completion of the course should lead to the following outcomes

### B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

Program SLOs SLOs of the course	SLO (1) Knowledge and understanding	SLO (2) Intellectual analytical and cognitive skill	SLO (3) Subject specific skills	SLO (4) Transferable key skills
1.Apply economic principles and research methods in solving economic problems and to agricultural production management.	✓			
2. Analyze extension programs to deliver relevant information to farmers and employ the economic and business principles in making decisions	✓	✓		
3. Collaborate effectively with scientists and educators in other disciplines to incorporate economic analysis into multi-disciplinary programs.	✓			
4. Design , analyze and evaluate agricultural and development projects			✓	
5. Utilize the economic concepts and factors for successful natural resources management in agriculture and agribusiness.		✓		✓
6. Discuss issues related to the agricultural sector, natural resource policies, and rural community development.	✓			
7. Work effectively in promoting the teamwork environment for pursuing professional goals		✓		
8. Apply principles of scientific skills and argumentation and ethics of scientific discussion research skills in both oral and written forms.			✓	
9.Demonstrate ethical and professional responsibilities for being an agricultural engineer, especially with regard to agricultural sector, environment and society			✓	
10.Apply critical thinking and problem solving skills, and pursue continuous education in aspects of agricultural economics and agribusiness management.				✓



## 21. Topic Outline and Schedule:

Week	Lecture	Topic	Intended Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Basic economic problem	A1, A2, A3, A4, D1	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 1 in Hindi
	1.2	Economic systems	A1, A2, A3, A4, D1	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 1 in Hindi
	1.3	Division of Economics	A1, A2, A3, A4, D1	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 1 in Hindi
2	2.1	Positive economics versus Normative economics	A1, A2, A3, A4, D1	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 1 in Hindi
	2.2	The concept of production function	A5, B1,B2, C1, C2, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 6 in Hindi
	2.3	Types of production functions	A5, B1,B2, C1, C2, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 6 in Hindi
Week	Lecture	Topic	Intended Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
3	3.1	The law of diminishing returns	A5, B1,B2, C1, C2, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 6 in Hindi
	3.2	Stages of production	A5, B1,B2, C1, C2, D2	Face to face		Synchronous	Exam, Quiz	Chapter 6 in

						Lecturing		Hindi
	3.3	How much input to use in order to maximize profit	A5, B1,B2, C1, C2, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 6 in Hindi
4	4.1	Total approach analysis	A5, B1,B2, C1, C2, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 6 in Hindi
	4.2	Marginal Approach analysis	A5, B1,B2, C1, C2, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 6 in Hindi
	4.3	How much output to produce in order to maximize profit	A5, B1,B2, C1, C2, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 6 in Hindi
5	5.1	the production function of two variable input	A5, B3, C3, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 7 in Hindi
	5.2	The isoquant	A5, B3, C3, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 7 in Hindi
	5.3	The marginal rate of technical substitution	A5, B3, C3, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 7 in Hindi
6	6.1	Best factor combination	A5, B3, C3, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 7 in Hindi
	6.2	Total approach analysis	A5, B3, C3, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 7 in Hindi

	6.3	Marginal approach analysis	A5, B3, C3, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 7 in Hindi
7	7.1	The relationships between factors of production.	A5, B3, C3, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 7 in Hindi
	7.2	The production possibility curve	A5, B3, C4, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 8 in Hindi
	7.3	The marginal rate of product substitution	A5, B3, C4, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 8 in Hindi
8	8.1	The best combination of products	A5, B3, C4, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 8 in Hindi
	8.2	Total approach analysis	A5, B3, C4, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 8 in Hindi
	8.3	Marginal approach analysis	A5, B3, C4, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 8 in Hindi
9	9.1	The relationships among products	A5, B3, C4, D2	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 8 in Hindi
	9.2	opportunity cost	A6, B5, C5, D3	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 9 in Hindi
	9.3	Short-run & Long-run	A6, B5, C5, D3	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 9 in Hindi
10	10.1	Fixed cost	A6, B5,	Face to		Synchronous	Exam,	Chapter

		and variable cost	C5, D3	face		us Lecturing	Quiz	9 in Hindi
	10.2	Average cost	A6, B5, C5, D3	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 9 in Hindi
	10.3	Marginal cost	A6, B5, C5, D3	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 9 in Hindi
11	11.1	What determine quantity supplied of a commodity	A7, B6, D4	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3, 5 in Hindi
	11.2	Market Supply	A7, B6, D4	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3, 5 in Hindi
	11.3	Shifts in supply curve and movement along them	A7, B6, D4	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3, 5 in Hindi
12	12.1	Price elasticity of supply	A7, B6, D4	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3, 5 in Hindi
	12.2	What determine quantity demanded of a commodity	A8, B7, D4	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3, 5 in Hindi
	12.3	Utility theory	A8, B7, D4	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3, 5 in Hindi
13	13.1	Market demand	A8, B7, D4	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3, 5 in Hindi
	13.2	Shifts in demand	A8, B7, D4	Face to		Synchronous	Exam,	Chapter 3, 5 in

		curves and movement along them		face		Lecturing	Quiz	Hindi
	13.3	Price elasticity of demand	A8, B7, D4	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3, 5 in Hindi
14	14.1	Market, Price determination	A9, B8, D5	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3 in Hindi
	14.2	Excess supply, Excess demand	A9, B8, D5	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3 in Hindi
	14.3	The working of market forces, Changes in equilibrium	A9, B8, D5	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 3 in Hindi
15	15.1	Various revenue concepts	A10, B9, C6, D6	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 10 in Hindi
	15.2	Rules for the profit-maximizing firm	A10, B9, C6, D6	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 10 in Hindi
	15.3	Profit maximizing in perfect competitive market	A10, B9, C6, D6	Face to face		Synchronous Lecturing	Exam, Quiz	Chapter 10 in Hindi

## 22 Evaluation Methods:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment

methods and requirements:

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Midterm Exam	30	Introduction, Production Theory, Production with two or more variable inputs	A1, A2, A3, A4, D1, A5, B1,B2, C1, C2, D2, A5, B3, C3,	Fourth week	In Class
Quizzes	20	All Topics	A1, A2, A3, A4, D1, A5, B1,B2, C1, C2, D2, A5, B3, C3, A5, B3, C4, A6, B5, C5, D3, A7, B6, D4, A10, B9, C6, D6	Every week	In Class
Final Exam	50	All Topics	A1, A2, A3, A4, D1, A5, B1,B2, C1, C2, D2, A5, B3, C3, A5, B3, C4, A6, B5, C5, D3, A7, B6, D4, A10, B9, C6, D6		In Class

## 23 Course Requirements

(e.g: students should have a computer, internet connection, webcam, account on a specific software/platform...etc):

## 24 Course Policies:

A- Attendance policies: **students should attend all classes on time**

B- Absences from exams and submitting assignments on time: **No makeup exams will be made, only medical excuses from the JU hospital**

C- Health and safety procedures: **Please consider the safety procedures as announced**

D- Honesty policy regarding cheating, plagiarism, misbehavior: **will be handled according to JU**



### regulations

E- Grading policy: **according to JU regulations**

F- Available university services that support achievement in the course:

## 25 References:

A- Required book(s), assigned reading and audio-visuals:

Hindi, Mahmoud Ali Salem (2004) Agricultural Economics, Deanship of Academic Research, The University of Jordan, Amman, Jordan.

B- Recommended books, materials, and media:

[http://en.wikipedia.org/wiki/Agricultural\\_economics](http://en.wikipedia.org/wiki/Agricultural_economics)

<http://www.angrau.ac.in/media/1640/AECO141.pdf>

[http://www.fao.org/world/syria/qcpita/training/materials/reports/specialized/01-Agricultural\\_Economics\\_En.pdf](http://www.fao.org/world/syria/qcpita/training/materials/reports/specialized/01-Agricultural_Economics_En.pdf)

[http://homes.chass.utoronto.ca/~krybakov/teaching\\_files/intro\\_micro/slides/lec7\\_slides.pdf](http://homes.chass.utoronto.ca/~krybakov/teaching_files/intro_micro/slides/lec7_slides.pdf)

<http://faculty.riohondo.edu/mjavanmard/microlectures1.htm>

[http://www.swlearning.com/economics/mankiw/mankiw3e/powerpoint\\_micro.html](http://www.swlearning.com/economics/mankiw/mankiw3e/powerpoint_micro.html)

<http://www.mankiwmicro4e.nelson.com/student/ppt.html>

## 26 Additional information:

- Concerns or complaints should be expressed in the first instance to the module lecturer; if no resolution is forthcoming, then the issue should be brought to the attention of the module coordinator (for multiple sections) who will take the concerns to the module representative meeting. Thereafter, problems are dealt with by the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For final complaints, there will be a committee to review grading the final exam.
- For more details on University regulations please visit:  
<http://www.ju.edu.jo/rules/index.htm>

Name of Course Coordinator: -----Signature: ----- Date: ----- -----
Head of Curriculum Committee/Department: ----- Signature: ----- ---
Head of Department: ----- Signature: ----- -
Head of Curriculum Committee/Faculty: ----- Signature: ----- -
Dean: ----- Signature: -----