**Course Syllabus**

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| **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)** | **Second semester 2022/2023** |
| **12** | **Other department (s) involved in teaching the course** | **None** |
| **13** | **Main teaching language** | **English** |
| **14** | **Delivery method** | * Face to face learning ☐Blended ☐Fully online
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| **15** | **Online platforms(s)** | ☐Moodle ☐Microsoft Teams ☐Skype ☐Zoom ☐Others………… |
| **16** | **Issuing/Revision Date** | 1/2/2023 |

**17 Course Coordinator:**

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| Name: Dr. Mohammad Tabieh Contact hours: 11:30-13:00 Sun, Mon, WedOffice number: 22500 Phone number:Email: m.tabieh@ju.edu.jo |

**18 Other instructors:**

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| Name: Office number:Phone number:Email:Contact hours:Name: Office number:Phone number:Email:Contact hours: |

**19 Course Description:**

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| 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**

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| 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 applications3-Students will be able to identify the basic strength and shortcoming of economic theory.Successful completion of the course should lead to the following outcomesB- Students Learning Outcomes (SLOs): Upon successful completion of this course, students will be able to:

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| Program SLOsSLOs 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. |  |  |  |  |

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**21. Topic Outline and Schedule:**

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| **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 Lecturing  | Exam, Quiz | Chapter 6 in 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 and variable cost | A6, B5, C5, D3 | Face to face  |  | Synchronous Lecturing  | Exam, Quiz |  Chapter 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 curves and movement along them | A8, B7,D4 | Face to face  |  | Synchronous Lecturing  | Exam, Quiz |  Chapter 3, 5 in 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 |

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**22 Evaluation Methods:**

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| Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

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| **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 |
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**23 Course Requirements**

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

**24 Course Policies:**

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| 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:**

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| 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://www.angrau.ac.in/media/1640/AECO141.pdf><http://www.fao.org/world/syria/gcpita/training/materials/reports/specialized/01-Agricultural_Economics_En.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.mankiwmicro4e.nelson.com/student/ppt.html> |

**26 Additional information:**

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| * 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: -------------------------------------------