



SEMESTER LEARNING PLAN

Courses	Production Economy
Semester	V (Five)
Course Code	MKP 60707
College Courses	Agricultural Economy
MK Preconditions	-
RPS Developer Lecturer	Lia Rohmatul Maula, S.P., M.P.
Mk Master Lecturer	Lia Rohmatul Maula, S.P., M.P. Dr. Ir. Bambang Siswadi, MP.
Authentication Date	
Courses	Agribusiness
Faculty	Agriculture

ISLAMIC UNIVERSITY OF MALANG

2019



ISLAMIC UNIVERSITY OF MALANG

FACULTY OF AGRICULTURE

AGRIBUSINESS STUDY PROGRAM

SEMESTER LEARNING PLAN (RPS)

Courses/Semesters	Master Lecturer	Course Code	Credit Weight: 3
Production Economy/V	Lia Rohmatul Maula, S.P., M.P. Dr. Ir. Bambang Siswadi, MP.	MKP60707	Theory: 60% Practice: 40%
Authorization	RPS Developer Lecturer	Head of Study Program	Vice Dean I
	Lia Rohmatul Maula, S.P., M.P.	Dr. Dwi Susilowati, S.P., M.P.	Dr. Ir. Anis Sholihah, M.P.
Learning Achievements	Graduate Learning Achievement (ILO) Study Program Charged to Courses		
	ILO 9 Is able to work efficiently, independently and work teams using a variety of methods to communicate effectively with within the scientific community and the public.		
	ILO 1 Able to answer problems related to entrepreneurship, agribusiness, and green food		
	ILO 6 Is able to evaluate projects according to techniques, methods, constraints, interpret data, and conclude it		
	ILO 2 Able to understand the rules and principles of agribusiness, social sciences, economics, and agricultural engineering as the basis of innovative agribusiness disciplines		

	Learning Achievement Courses (CP-MK)
	CPMK 1 Able to examine the concept and scope of the production economy
	CPMK 2 Able to analyze and elaborate on the economic theory of production in the optimization of production
	CPMK 3 Able to analyze single and double production with the use of single and double inputs
	CPMK 4 Able to analyze and review the optimization of single and double production / output
	CPMK 5 Able to study the concept and theory of the economy of production with time considerations
Course Output	Able to create curves of production functions and their derivatives, as well as understand optimal input allocations at single and double outputs
Expected Outcome	Students have competence in analyzing the use of input allocation to produce a single / double output in agricultural production, so that it will facilitate their role later if they become a manager or consultant and agribusiness policy reviewers.
Brief Description of Course	Economics production course that can be pursued by students with the hope of being able to study the concept and scope of production economics, production economics theory, production costs, and optimization of production in production processes with single inputs and double inputs, derived demand, optimalization of production with double output, and production with time considerations.
Learning Materials:	<ol style="list-style-type: none"> 1. Definition and scope of agricultural production economics 2. Input-Output Relationship: Production with one variable input 3. Input-output relationship: Profit maximality of one input and one output 4. Cost, acceptance and profit in terms of output 5. Input-input relationship: Production with 2 inputs 6. Input-input relationship: maximization of 2 inputs 7. Output-output relationship: production and maximization of 2 outputs 8. The concept of elasticity of double output substitution 9. Production process with time consideration
Book	<p>Main:</p> <p>References:</p> <ol style="list-style-type: none"> 1. Doll, J.P and F. Orazem, 1978. <i>Production Economics : Theory with Applications</i>. Grid Inc., Columbus, Ohio, USA. 2. Debertin, D.L. 1986. <i>Agricultural Production Economics</i>. Macmillan Publishing Company, New York, USA. 3. Beattie, B. R., & Taylor, C. R. (1994). <i>Production Economy</i>. Gadjah Mada University Press. <p>Supporter:</p>

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| | <ol style="list-style-type: none">1. Rasmussen, S. 2011. Production Economics: The Basic Theory of Production Optimisation. Springer, New York.2. Soekartawi. 2003. Economic Theory of Production. PT Raja Grafindo Persada, Jakarta.3. Journals, Thesis, Thesis, and research results related to the economics of production. |
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Week	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assessment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
1	Sub CPMK 1 Students are able to examine the definition and scope of agricultural production economics	<ol style="list-style-type: none"> Students examine the definition and scope of the economics of production. Students are able to examine the economic problems of production and the economic use of production. Students understand the assumption of the competitive market as the basis of the theory of production economics 	<p>Assessment Criteria:</p> <ol style="list-style-type: none"> Accuracy in studying the definition and scope of the economy of production Accuracy in studying the economic problems of production and the economic usefulness of production Accuracy in understanding and studying the assumptions of the competitive market as the basis of the economic theory of production <p>Assessment Techniques:</p> <ol style="list-style-type: none"> Performance Assessment (Observation of performances during discussions) Quiz 	<p>Learning Form: Offline/face-to-face lectures in class</p> <p>Learning Methods: Brainstorming</p> <p>Media: Presentation media</p> <p>Student Learning Experience</p> <ol style="list-style-type: none"> Read carefully the introduction to the lecture and understand in general the economics of agricultural production Looking at the economic problems of production and its usefulness Looking at the assumptions of the competitive market as the basis of the theory of production Outpouring of opinions, understanding, scope and importance of management in organizations Training about 	<p>Lecture: 2 X 50 minutes</p> <p>Self-study: 2 x 60 minutes</p> <p>Self-task: 2 x 60 minutes</p>	<p>Introduction</p> <ol style="list-style-type: none"> Definition and scope of agricultural production economics Assumption of Competitive Market as DAsar Theory of Production Economics <p>Libraries: 2,3</p>	5

Week 1	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assessment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
2-3	Sub CPMK 2 Students master the input-output relationship: production with one variable input	<ol style="list-style-type: none"> Students examine the concepts of production functions, fixed inputs, variable inputs and production periodization. Students are able to study the law of changes in the addition of declining results (<i>The law of diminishing return</i>) Students understand and study marginal products, average products and total products Students examine the function of neoclassical production and examine the elasticity of single input production 	<p>Assessment Criteria:</p> <ol style="list-style-type: none"> Accuracy in studying the concept of production functions, fixed inputs, variable inputs and periodization of production Accuracy in reviewing the law of change in the addition of declining results (<i>The law of diminishing return</i>) Accuracy in reviewing marginal products, average products and total products Accuracy of studying neoclassical production functions and studying the elasticity of single input production <p>Assessment Techniques:</p> <ol style="list-style-type: none"> Job Performance Assessment Meriview assessment of article ilmiah 	<p>Form of learning: Offline/face-to-face lectures in class</p> <p>Learning Methods: Brainstorming</p> <p>Media: Presentation media</p> <p>Student Learning Experience</p> <ol style="list-style-type: none"> Read carefully the fungsi production, fixed inputs, variable inputs and production periodization Observing the law of changes in the addition of declining results (<i>The law of diminishing return</i>) Presentations and discussions on marginal products, average products and total products as well as neoclassical production functions Review scientific articles in groups about the function of neoclassical production 	<p>Lecture: 2x2 x50 minutes</p> <p>Self-study: 2x2 x 60 minutes</p> <p>Self-task: 2x2 x 60 minutes</p> <p>Practicum: 2x 170 minutes</p>	<p>INPUT-OUTPUT RELATIONSHIP:</p> <p>Production with One Variable Input</p> <ol style="list-style-type: none"> Concept of production function Fixed input, variable input and production periodization <i>The Law of Diminishing Return</i> Marginal products and average products MPP and marginal product functions Neoclassical production function MPP and APP neoclassical production functions Signs, slopes and curve curves Elasticity of single input production <p>Libraries : 1,2,3</p>	15

Week	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assess ment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
4-5	Sub CPMK 3 Students understand input-output relationship: Maximality of profit of one input and one output	<ol style="list-style-type: none"> Students study total input costs and maximize admission selection and fees Students are able to calculate the level of use of inpt that maximizes output and profits. Students are able to apply the concept of blood products 	<p>Assessment Criteria:</p> <ol style="list-style-type: none"> Accuracy in reviewing total input costs and maximizing acceptance selection and costs Accuracy in calculating the level of use of inpts that maximize output and profits Accuracy in the application of the concept of blood produksi <p>Assessment Techniques:</p> <ol style="list-style-type: none"> Assignment: <ol style="list-style-type: none"> Review the journal of basic management functions Assignment (training problem) Performance Assessment (observation during discussion) 	<p>Learning Form: Offline/face-to-face lectures in class</p> <p>Learning Methods: Brainstorming</p> <p>Media: Presentation media</p> <p>Student Learning Experience</p> <ol style="list-style-type: none"> Carefully read lecture material through presentation media, reference books, and videos about the basic functions of management in organizations Read, observe, and review research articles Presentation of the results of reviewing the research journal 	<p>Lecture: 2x2x 50 minutes</p> <p>Self-study: 2x2 x 60 minutes</p> <p>Self-task: 2x2 x 60 minutes</p> <p>Practicum: 2x1 x 170 minutes</p>	<p>INPUT_OUTPUT relationship: Maximize The Profit of Farmers with One Input and One Output</p> <ol style="list-style-type: none"> Total input costs and Maximize acceptance selection and costs Calculate the level of use of inputs that maximize output and profit Application of production area concept <p>Libraries: 2,3</p>	15

Week	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assesment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
6	Sub CPMK 4 Students can analyze the calculation of costs, admissions and profits in terms of output.	<ol style="list-style-type: none"> 1. Students analyze the maximization of profits in terms of output 2. Students are able to analyze the duality of cost and production. 3. Mahasiswa was able to illustrate the relationship between cost and production function 	<p>Assessment Criteria:</p> <ol style="list-style-type: none"> 1. Accuracy in analyzing maximization of profits in terms of output 2. Accuracy of analyzing the duality of cost and production 3. Accuracy in illustrating the relationship between cost and production function <p>Assessment Techniques:</p> <ol style="list-style-type: none"> 1. Job Performance Assessment 2. Quiz Ratings 	<p>Learning Form: Offline/face-to-face lectures in class</p> <p>Learning Methods: Brainstorming</p> <p>Media: Presentation media</p> <p>Student Learning Experience</p> <ol style="list-style-type: none"> 1. Read carefully about organizational principles 2. Observing the importance of personnel in the organization 3. Presentation and discussion of the principles and distribution of personnel in the organization 4. Review scientific articles in groups about the principles and preparation of organizational personnel 	<p>Lecture: 2 X 50 minutes</p> <p>Self-study: 2 x 60 minutes</p> <p>Self-task: 2 x 60 minutes</p> <p>Practicum: 1 x 170 minutes</p>	COST, ACCEPTANCE AND PROFIT IN TERMS OF OUTPUT Libraries: 1,2,3	7,5

Week	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assesment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
7	Sub CPMK 5 Students are able to examine the pattern of input-input relationships: Production with two Input	<ol style="list-style-type: none"> Students are able to examine the theoretical relationship of inputs Students examine isokuan curves and marginal substitution power Students master and study marginal substitution power and marginal products 	<p>Assessment Criteria:</p> <ol style="list-style-type: none"> Accuracy in studying the theoretical consensus of input-input relationships Accuracy in studying isokuan curves and marginal substitution power Accuracy in reviewing marginal substitution power and marginal products <p>Assessment Techniques:</p> <ol style="list-style-type: none"> Assignment: <ol style="list-style-type: none"> Review the journal of input relations in the production economy Performance Assessment 	<p>Learning Form: Offline/face-to-face lectures in class</p> <p>Learning Methods: Opinions,FGD</p> <p>Media: Presentation media</p> <p>Student Learning Experience</p> <ol style="list-style-type: none"> Read carefully the lecture material through mehim presentation, and reference book, about the relationship pattern of two inputs Read, observe, and review research articles Presentation of the results of reviewing the journal penelitian 	<p>Lecture: 2 X 50 minutes</p> <p>Self-study: 2 x 60 minutes</p> <p>Self-task: 2 x 60 minutes</p> <p>Practicum: 2x1 x 170 minutes</p>	<p>INPUT-INPUT RELATIONSHIP PATTERN: Production with Two Inputs</p> <ol style="list-style-type: none"> Isokuan and marginal substitution power Marginal substitution power and marginal products <p>Libraries: 1,3</p>	7,5
MIDDLE EXAM SEMESTER							

Week	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assesment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
8	<p>Sub CPMK 6</p> <p>Students are able to analyze and examine the pattern of input-input relationships: maximization with two inputs.</p>	<p>1. Students learn the basic concept of profit maximization function with two inputs</p> <p>2. Students are able to analyze the maximization of profit with budget constraints</p>	<p>Assessment Criteria:</p> <p>1. Accuracy in studying the basic concept of maximization of profit function with two inputs</p> <p>2. Accuracy in analyzing profit maximization with budget constraints</p> <p>Assessment Techniques:</p> <p>1. Assignment: review articles</p> <p>2. Job Performance Assessment</p>	<p>Learning Form:</p> <p>Offline/face-to-face lectures in class</p> <p>Learning Methods:</p> <p>Brainstorming</p> <p>Media:</p> <p>Presentation media</p> <p>Student Learning Experience</p> <p>1. Read carefully about the basic concept of maximization of profit functions with two inputs</p> <p>2. Observing the maximization of profit with budget constraints</p> <p>3. Presentation and discussion of review results</p>	<p>Lecture:</p> <p>2 X 50 minutes</p> <p>Self-study:</p> <p>2 x 60 minutes</p> <p>Self-task:</p> <p>2 x 60 minutes</p> <p>Practicum:</p> <p>1 x 170 minutes</p>	<p>INPUT-INPUT</p> <p>RELATIONSHIP PATTERN: Maximization in Two Input Cases</p> <p>1. Maximize profit function with two inputs</p> <p>2. The concept of maximization with budget constraints</p> <p>Libraries: 1,3</p>	10

Week 1	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assesment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
9-10	Sub CPMK 7 Students are able to analyze output-output relationships: production and maximization in the case of two outputs.	<ol style="list-style-type: none"> Students examine product transformation from a single input function Students analyze product transformation and elasticity of output substitution Students are able to analyze the maximization of two outputs 	<p>Assessment Criteria:</p> <ol style="list-style-type: none"> Accuracy in reviewing product transformation from a single input function Accuracy in analyzing product transformation and elasticity of output substitution Accuracy in analyzing the maximization of two outputs <p>Assessment Techniques:</p> <ol style="list-style-type: none"> Assignment: Review articles Performance Assessment 	<p>Learning Form: Offline/face-to-face lectures in class</p> <p>Learning Methods: Opinion, FGD</p> <p>Media: Presentation media</p> <p>Student Learning Experience</p> <ol style="list-style-type: none"> Carefully read the lecture material through presentation media, and reference books, on OUTPUT-OUTPUT RELATIONSHIP: Production and Maximization in the case of two Outputs Read, observe, and review research articles Presentation of the results of reviewing the journal penelitian 	<p>Lecture: 2x2x 50 minutes</p> <p>Self-study: 2x2 x 60 minutes</p> <p>Self-task: 2x2 x 60 minutes</p> <p>Practicum: 2x1 x 170 minutes</p>	<p>OUTPUT-OUTPUT RELATIONSHIP: Production and Maximization in the case of two Outputs</p> <ol style="list-style-type: none"> Product transformation from a one-input production function Product transformation and elasticity of output substitution Maximization of output <p>Libraries: 1,3</p>	15`

	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assesment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
11-12	<p>Sub CPMK 8</p> <p>Students are able to analyze the elasticity of double output substitution</p>	<p>1. Students are able to examine the elasticity of double output substitution</p> <p>2. Students analyze the improvement of technology and the scale of business</p>	<p>Assessment Criteria:</p> <p>1. Accuracy in studying the elasticity of double output substitution</p> <p>2. Accuracy of analyzing technological improvements and business scale</p> <p>Assessment Techniques:</p> <p>1. Assignment: Review and journal presentations</p> <p>2. Performance Assessment</p>	<p>Learning Form:</p> <p>Offline/face-to-face lectures in class</p> <p>Learning Methods:</p> <p>Brainstorming</p> <p>Media:</p> <p>Presentation media</p> <p>Student Learning Experience</p> <p>1. Read carefully about the elasticity of double output substitution</p> <p>2. Presentation of the results of reviewing the journal penelitian</p>	<p>Lecture:</p> <p>2x2 X 50 minutes</p> <p>Self-study:</p> <p>2x2 x 60 minutes</p> <p>Self-task:</p> <p>2x2 x 60 minutes</p> <p>Practicum:</p> <p>2 x1 x 170 minutes</p>	<p>The concept of elasticity of double output substitution</p> <p>1. Elasticity of double output substitution</p> <p>2. Technologyand scale of effort</p> <p>Libraries : 1,2,3</p>	15

Week 1	Final Ability of Each Learning Stage (Sub CPMK)	Assesment		Learning Form; Learning Methods and Media; Student Learning Experience	Estimated Time	Details of Learning Materials; Book	Assesment Weight (%)
		Assessment Indicator	Assessment Criteria and Techniques				
13-14	Sub CPMK 9 Students are able to analyze the production process with time considerations.	<ol style="list-style-type: none"> Students study and analyze production with time considerations. Students analyze <i>discounting reveueues and costs</i> 	<p>AssessmentCriteria:</p> <ol style="list-style-type: none"> Accuracy in reviewing and analyzing production with time considerations Accuracy in analyzing <i>discounting reveueues and costs</i> <p>Assessment Techniques:</p> <ol style="list-style-type: none"> Assignment: Review articles Performance Assessment 	<p>Learning Form: Offline/face-to-face lectures in class</p> <p>Learning Methods: Opinion, FGD</p> <p>Media: Presentation media</p> <p>Student Learning Experience</p> <ol style="list-style-type: none"> Carefully read the lecture material through presentation media, and reference books, about the production process with time consideration Read, observe, and review research articles Presentation of the results of reviewing the journal penelitian 	<p>Lecture: 2x2x 50 minutes</p> <p>Self-study: 2x2 x 60 minutes</p> <p>Self-task: 2x2 x 60 minutes</p> <p>Practicum: 2x1 x 170 minutes</p>	<p>Production process with time consideration</p> <ol style="list-style-type: none"> Production process with time consideration <i>discounting reveueues and costs</i> <p>Libraries: 1,3</p>	10
FINAL SEMESTER EXAM (UAS)							



ASSESSMENT LEARNING ACHIEVEMENT COURSES (CP-MK)

Courses	Production Economy
Semester	V (Five)
Course Code	MKP 60707
Mk Master Lecturer	Lia Rohmatul Maula, S.P., M.P. Dr. Ir. Bambang Siswadi, MP.
Courses	Agribusiness
Faculty	Agriculture

**ISLAMIC UNIVERSITY OF MALANG
2019**

MATRIC ASSESSMENT OF ACHIEVEMENTS OF PEBELLISHMENT COURSES (CP-MK)

Course :Production Economics

Semester :V (Five)

Lecturer : Lia Rohmatul Maula, SP., MP. /Dr. Ir. Bambang Siswadi, MP.

Study Program: Agribusiness

Week	CPL/ILO	CMK	Sub-CPMK	Indicators	Assessment Technique - Assessment Instrument- Weight (%)		Weight (%) Sub-CPMK	Student Grades (0- 100)	Σ (Student Grade) X (Weights %)	CPL's ability to MK (%)
1	ILO 1 Able to accept and respond to problems regarding entrepreneurs hip, agribusiness, and green food dengan enuhresponsibility.	CPMK 1 Able to examine the concept and scope of the production economy	Sub-CPMK 1 Students are able to examine the definition and scope of agricultural production economics	Indicators: 1. Students examine the definition and scope of the economics of production. 2. Students are able to examine the economic problems of production and the economic use of production. 3. Students understand the assumption of the competitive market as the basis of the theory of production economics Criteria: 1. Accuracy in studying the definition and scope of the economy of production 2. Accuracy in studying the economic problems of production and the	Assessment Techniques: 1. Performance Assessment (Observation of performances during discussions) 2. Quiz Assessment Instruments: 1. Rubric of job performance assessment 2. Assignment assessment rubric	3 2	5	76.56	3.83	77 %

				economic usefulness of production 3. Accuracy in understanding and studying the assumptions of the competitive market as the basis of the economic theory of production						
2-3	ILO 2 Knowing and understanding the rules / principles of agribusiness, social sciences, economics, and agricultural engineering as the foundation of innovative agribusiness disciplines	CPMK 2 Able to analyze and outline the economic theory of production in the optimization of production	Sub CPMK 2. Students master the input-output relationship: production with one variable input	Indicators: 1. Students examine the concepts of production functions, fixed inputs, variable inputs and production periodization. 2. Students are able to study the law of changes in the addition of declining results (The law of diminishing return) 3. Students understand and study marginal products, average products and total products 4. Students examine the function of neoclassical production and examine the elasticity of single input production Assessment Criteria: 1. Accuracy in studying the concept of production functions, fixed inputs, variable inputs and periodization of production	Assessment Techniques: 1. Performance Assessment 2. Assessment of Meriview scientific articles Assessment Instruments: 1. Rubric of job performance assessment 2. Assignment assessment rubric	7,5 7,5	15	90	13.6	90 %

				<p>2. Accuracy in reviewing the law of change in the addition of declining results (<i>The law of diminishing return</i>)</p> <p>3. Accuracy in reviewing marginal products, average products and total products</p> <p>4. Accuracy of studying neoclassical production functions and studying the elasticity of single input production</p>						
4-5	<p>ILO 9</p> <p>Able to work efficiently, independently and cooperate in teams using various methods to communicate effectively in the scientific community and society.</p>	<p>CPMK 3</p> <p>Able to analyzes single and double production with the use of single and double inputs</p>	<p>Sub CPMK 3</p> <p>Students understand input-output relationship: Maximality of profit of one input and one output</p>	<p>Indicators:</p> <ol style="list-style-type: none"> 1. Students study total input costs and maximize admission selection and fees 2. Students are able to calculate the level of use of inpt that maximizes output and profits. 3. Students are able to apply the concept of blood products <p>Assessment Criteria:</p> <ol style="list-style-type: none"> 1. Accuracy in reviewing total input costs and maximizing acceptance selection and costs 2. Accuracy in calculating the level of use of inpts that maximize output and profits 	<p>1. Assignment:</p> <ol style="list-style-type: none"> a. Review the journal of basic management functions b. Assignment (problem training) <p>Assessment Instruments:</p> <ol style="list-style-type: none"> 1. Rubric of job performance assessment 2. Assignment assessment rubric 	5 10	15	88.8	13.3 1	88%

				3. Accuracy in the application of the concept of blood production						
6	ILO 6 Able to plan, conduct and evaluate projects that are in accordance with techniques, methods, limitations, and interpret data and then draw conclusions.	CPMK 3 Able to analyzes single and double production with the use of single and double inputs	Sub-CPMK4 Students can analyze the calculation of costs, admissions and profits in terms of output.	Indicators: 1. Students analyze the maximization of profits in terms of output 2. Students are able to analyze the duality of cost and production. 3. Students are able to illustrate about the relationship between cost and production function Assessment Criteria: 1. Accuracy in analyzing maximization of profits in terms of output 2. Accuracy of analyzing the duality of cost and production 3. Accuracy in illustrating the relationship between cost and production function	Assessment Techniques: 1. Performance Assessment (Observation of performances during discussions) 2. Quiz Assessment Instruction: 1. Rubric of job performance assessment 2. Quiz rating rubric	5 2.5	7. 5	88	6.6 1	88 %
7	ILO 2 Knowing and understanding the rules / principles of Agribusiness, social sciences, economics, and agricultural	CPMK 3 Able to analyzes single and double production with the use of single and double inputs	Sub CPMK 5 Students are able to examine the pattern of input-input relationships: Production with Two Input	Indicators: 1. Students are able to examine the theoretical concept of input-input relationships 2. Students examine isokuan curves and marginal substitution power	Assessment Techniques: 1. Assignment: b. Review the journal of input relations in the production economy 2. Performance Assessment Assessment Instruction:	7.5	7.5	86.3	6.4 7	86 %

	<p>engineering as the foundation of innovative Agribusiness disciplines</p>			<p>3. Students master and study marginal substitution power and marginal products AssessmentCriteria: a. Accuracy in studying theoretical concepts of input-input relationships b. Accuracy in studying isokuan curves and marginal substitution power c. Accuracy in reviewing marginal substitution power and marginal products</p>	<p>1. Rubric of job performance assessment</p>					
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MIDDLE SEMESTER EXAM

Week	CPL	CPMK	Sub-CPMK	Indicators	Assessment Technique - Assessment Instrument- Weight (%)	Weight (%) Sub-CPMK	Student Grades (0- 100)	Σ (Student Grade) X (Weights %)	CPL's ability to MK (%)	
8	ILO 2 Knowing and understanding the rules / principles of Agribusiness, social sciences, economics, and agricultural engineering as the foundation of innovative Agribusiness disciplines	CPMK 4 Able to analyzes and analyzes the optimization of single and double production/ output	Sub-CPMK 6 Students are able to analyze and examine the pattern of input-input relationships: maximization with two inputs.	Indicators: 1. Students examine the basic concept of maximization of profit function with two inputs 2. Students are able to analyze the maximization of profit with budget constraints Assessment Criteria: 1. Accuracy in studying the basic concept of maximization of profit function with two inputs 2. Accuracy in analyzing profit maximization with budget constraints	Assessment Techniques: 1. Assignment: review articles Assessment Instruction: 1. Review assessment rubric	10	10	87	8.68	87%
9-10	ILO 6 Able to plan, conduct and evaluate projects that are in accordance with techniques, methods, limitations, and	CPMK 4 Able to analyzes and analyzes the optimization of single and double production/ output	Sub-CPMK 7 Students are able to analyze output-output relationships: production and maximization in the case of two outputs.	Indicators: 1. Students examine product transformation from a single input function 2. Students analyze product transformation and elasticity of output substitution	Assessment Techniques: Work Performance Assessment meriview article Assessment Instruction: Rubric of job performance	15	15	89	13.4	89 %

	interpret data and then draw conclusions.			<p>3. Students are able to analyze the maximization of two outputs</p> <p>Assessment Criteria:</p> <p>a. Accuracy in reviewing product transformation from a single input function</p> <p>b. Accuracy in analyzing product transformation and elasticity of output substitution</p> <p>c. Accuracy in analyzing the maximization of two outputs</p>	assessment					
11-12	<p>ILO 6</p> <p>Able to plan, conduct and evaluate projects that are in accordance with techniques, methods, limitations, and interpret data and then draw conclusions.</p>	<p>CPMK 4</p> <p>Mmpuanalyzes and analyzes the optimization of single and double production/ output</p>	<p>Sub-CPMK 8</p> <p>Students are able to analyze the elasticity of double output substitution</p>	<p>Indicators:</p> <p>1. Students are able to examine the elasticity of double output substitution</p> <p>2. Students analyze the improvement of technology and the scale of business</p> <p>Assessment Criteria:</p> <p>1. Accuracy in studying the elasticity of double output substitution</p> <p>2. Accuracy of analyzing technological</p>	<p>Assessment Techniques:</p> <p>. Assignment: Review and journal presentations</p> <p>Job Performance Assessment</p> <p>Assessment Instruction:</p> <p>1. Review assessment rubric</p> <p>2. Rubric of job performance assessment</p>	7,5	15	89	13.4	89 %

				improvements and business scale						
13-14	ILO 6 Able to plan, conduct and evaluate projects that are in accordance with techniques, methods, limitations, and interpret data and then draw conclusions.	CPMK 5 Able to study the economic concepts and theories of production with time considerations	Sub CPMK 9 Students are able to analyze the production process with time considerations.	Indicators 1. Students study and analyze production with time considerations. 2. Students analyze <i>discounting revenues</i> and <i>costs</i> Assessment Criteria a. Accuracy in reviewing and analyzing production with time considerations b. Accuracy in analyzing <i>discounting revenues</i> and <i>costs</i>	Assessment Techniques: 1. Assignment: Review and journal presentations 2. Performance Assessment (observation during discussion) Assessment Instruments: 1. Review assessment rubric 2. Rubric of job performance assessment	5 5	10	80.6	8.06	80 %
FINAL SEMESTER EXAM										

