SRIWIJAYA UNIVERSITY
FACULTY OF AGRICULTURE
DEPARTMENT OF AGRICULTURAL SOCIAL ECONOMICS
DOCTORAL AGRIBUSINESS STUDY PROGRAM

SEMESTER LEARNING PLAN

A. COURSE IDENTITY

Subject	: Advanced Agribusiness Supply Chain Management	Code: PIP7038	Even Semester	credits: 3 (2-1)
Study material	: Advanced Management			
Course description	This advanced agribusiness Supply Chain Management course is related to a system involving various stakeholders who collectively work on agricultural production activities from producers and distribute the delivery of agricultural products to customers, consumers. The advanced agribusiness supply chain management course covers the development of quantitative models that can be used for decision making or behavioral analysis in various aspects of the agribusiness supply chain in agriculture.			
CPL/ILO	*1. Attitude Competency* ILO AC-4: To act as a citizen who is proud and loves the country, has nationalism and a sense of responsibility to the state and nation *2. Knowledge Competency* ILO KC-5: Understanding and capable of innovatively developing knowledge in the field of Agribusiness through innovative, original, and tested works that emphasize a systems approach in designing, repairing, and installing an integrated system consisting of people, materials, equipment, information, energy, and other resources in agriculture.			

	3. General Skills ILO GS-4: To be able to apply and utilize science and technology in solving and formulate problems in the agribusiness sector both at the micro, meso, and macro scope, propose alternative solutions, and conduct multi-disciplinary, interdisciplinary, or transdisciplinary evaluations to obtain recommendations for the best alternative in terms of efficiency, effectiveness, and sustainability considerations environment in agriculture. ILO GS-9: To be able to document, store, secure and retrieve data to ensure validity and advanced agribusiness Supply Chain Management *4. Special Skills* ILO SS-5: Doctor agribusiness are able to manage, lead, and develop research or development activities in the field of Agribusiness on the basis of honest and responsible scientific principles and are able to communicate ideas and research and development results effectively in Indonesian and English so that they can gain national and international recognition.
CPMK/CLO	1. Doctor of agribusiness can explain general classification of supply chain quantitative models. 2. Doctor of agribusiness are able to develop quantitative models in various area of supply chain in agriculture. 3. Doctor of agribusiness are able to use quantitative models to make decisions and analyize behavior of supply chain systems.

	4. Doctor of agribusiness are able to effectively communicate quantitative models for supply chain problems.

CLO	Attitudes Competency (AC)								Knowledge Competencies (KC)						General Skills (GS)					Special Skills (SS)					
	AC1	AC2	AC3	AC4	AC5	AC6	AC7	AC8	SC 1	SC 2	SC 3	SC 4	SC 5	SC 6	OS 1	OS 2	OS 3	OS 4	OS 5	GS 1	GS 2	GS 3	GS 4	GS 5	GS 6
CLOS 1																									
CLOS 2																									
CLOS 3																									
CLOS 4																									

Map of CPL and CPMK	1. Classification of quantitative models in supply chain problems 2. Planning models in supply chain management 3. Network models in supply chain management 4. Presentation of quantitative model classification assignment in supply chain management 5. Sourcing models in supply chain management 6. Transportation models in supply chain management 7. Inventory models in supply chain management 8. Midterm exam in advanced supply chain management 9. Presentation models in supply chain management 10. Assignment models in supply chain management 11. Distribution models in supply chain management 12. Warehouse distribution to consumers in supply chain management 13. Integrated Supply Chain models in Agribusiness 14. Guidance on writing articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness

	15. Presentation articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness 16. Final Exam in advanced supply chain management	
Supporting lecturer	: Prof. Dr. Ir. Elisa Wildayana, M.Sc. Dr. Ir. Lifianthi, M.Sc. Dr. Agustina Bidarti, SP., M.Sc.	Responsible Lecturer : Prof. Dr. Ir. Elisa Wildayana., M.Sc.

B. LEARNING PROGRAMS

CPL/ILO	CMPK/CLO	Week	Final ability of each learning stage (sub-CPMK)	Subject	Evaluation		Form of Learning; Learning methods; Student assignment [Estimated time]			Learning materials [References]	Rating Weight
					Indicator	Criteria & techniques	Face to face	• Structured Assignments • Practice	Learn to be independent		
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
AC-STN 8 KC 5- KIP 5 GS 10-KBP 10	CPMK 1	1	Doctor of agribusiness can understand and internalize Classification of quantitative models in supply chain problems	Classification of Quantitative Models in Supply Chain Problems	Doctor of agribusiness activeness in the teaching and learning process, in the form of providing responses/questions related to the definition of supply chain management theory, definition and scope of Classification of quantitative models in supply chain problems	Accuracy in explainingSupply chain management theory definition, SCM definition and scope, SCM scope, Supply Chain Network, SCM Strategy, SCM components, main objectives of SCM, generic SCM process of Classification of quantitative models in supply chain problems	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Make a summary of the material, practice answering multiple choices of Classification of quantitative models in supply chain problems (2x60')	Independent Learning with the Self Directed Learning method(2x60')	Formative Test 1: Classification of quantitative models in supply chain problems	1

AC-STN8 KC 5- KIP 5	CPMK 1	2	Doctor of agribusiness are able to internalize Planning models in supply chain management	Planning Models in Supply Chain Management	Doctor of agribusiness are able to understand, definition of successful and Access to Planning models in supply chain management	Accuracy in explainingdefinitions of success of and access Planning models in supply chain management	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Summarizes the definitions of success and access Planning models in supply chain management (*Small discussion group*) (2x60')	Independent Learning with the Self Directed Learning method(2x60')	Formative Test 2: Planning models in supply chain management	1
AC-STN8 KC 5- KIP 5	CPMK 1	3	Doctor of agribusiness are able to understand/internalize Network models in supply chain management	Network Models in Supply Chain Management	Doctor of agribusiness are able to understand the Network models in supply chain management	Accuracy in explaining the Network models in supply chain management	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Summarizes the Network models in supply chain management (*Small discussion group*) (2x60')	Independent Learning with the Self Directed Learning method (2x60')	Formative Test: Network models in supply chain management	1
AV-STN8	CMPK 1	4	Presentation of quantitative model classification assignment in	Presentation of quantitative model classific	Doctor of agribusiness are able to Presentation of quantitative model classification assignment in	Accuracy in explaining Presentation of quantitative model classification	Face to Face (2x50') with the Role Play and Simulation method	**Structured Assignments** Presentation of quantitative model	Independent Learning with the Self Directed Learning	1,2 Presentation of quantitative model classification	1

			supply chain management	ation Assignment in supply chain management	supply chain management	assignment in supply chain management		classification assignment in supply chain management (*Small discussion group*) (2x60')	method(2x60')	assignment in supply chain management	
AC-STN8 SC- 5	CPMK 1 CPMK 2	5	Doctor of agribusiness are able to understand and analyse of sourcing models in supply chain management	Sourcing Models in Supply Chain Management	Doctor of agribusiness are able to analyze the sourcing models in supply chain management	Accuracy in explaining the sourcing models in supply chain management	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Sourcing models in supply chain management with the Self Directed Learning method (2x60')	Independent Learning with the Self Directed Learning method(2x60')	Sourcing models in supply chain management	1
AC-STN8 KC-KIP 5	CPMK 1 CPMK 2	6	Doctor of agribusiness are able to understand and analyse of transportation models in supply chain management	Transportation models in supply chain management	Doctor of agribusiness are able to analyze the transportation models in supply chain management	Accuracy in explaining the transportation models in supply chain management	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Transportation models in supply chain management with the Self Directed Learning method (2x60')	Independent Learning with the Self Directed Learning method (2x60')	Transportation models in supply chain management	2

KC-KIP 5 CP-KBP 4	CPMK 2 CPMK 2	7	Doctor of agribusiness are able to analyze, utilize of inventory models in supply chain management	Inventory models in supply chain managemen t	Doctor of agribusiness are able to analyze, solutions to Inventory models in supply chain management	Accuracy in explaining inventory models in supply chain management	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Inventory models in supply chain management with the Self Directed Learning method (2x60')	Independe nt Learning with the Self Directed Learning method (2x60')	Inventory models in supply chain management	2
ACSPN 8 CP-KIP 5 CP-KBP 4	CPMK 1 CPMK 2 CPMK 2	8.	Midterm exam (Material 1-7) 100 minutes								2
CP-KIP 5	CPMK 2	9	Presentation models in supply chain management	Presentatio n Models in Supply Chain Manageme nt	Doctor of agribusiness of presentation models in supply chain management	Accuracy in explaining the presentation models in supply chain management	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Assistance for searching libraries and preparing paper plans (*Small discussion group*) (2x60')	Independe nt Learning with the Self Directed Learning method(2x 60')	Presentation models in supply chain management	2
CP-STN 8 CP-KIP 5	CPMK 1 CPMK 2	10	Doctor of agribusiness are able to internalize	Assignment Models in Supply	Doctor of agribusiness are able to assignment	Accuracy in explaining the Assignment models in	Face to face with the Co-learning Method	**Structured Assignments** Assignment models in	Independe nt Learning with the	1,2 Assignment models in	2

CP-KBP 4 CP-KBP 10			Assignment models in supply chain management	Chain Management	models in supply chain management	supply chain management	(2x50')	supply chain management (*Small discussion group*) (2x60')	Self Directed Learning method(2x 60')	supply chain management	
CP-KIP 5	CPMK 2	11	Doctor of agribusiness are able to analyse manufacturer distribution models in supply chain management	Manufacturer Distribution Models in Supply Chain Management	Doctor of agribusiness are able to apply the manufacturer distribution models in supply chain management	Accuracy in explaining the manufacturer distribution models in supply chain management	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Manufacturer distribution models in supply chain management (*Small discussion group*) (2x60')	Independent Learning with the Self Directed Learning method(2x 60')	Manufacturer Distribution models in supply chain management	3
CP-KIP 5 CP-KBP 4	CPMK 2	12	Doctor of agribusiness are able to manage and develop warehouse distribution to consumers in supply chain management	Warehouse distribution to consumers in supply chain management	Doctor of agribusiness are able to understand and apply the warehouse distribution to consumers in supply chain management	Accuracy in explaining the warehouse distribution to consumers in supply chain management	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Warehouse distribution to consumers in supply chain management *Small discussion group*) (2x60')	Independent Learning with the Self Directed Learning method (2x60')	3 Warehouse distribution to consumers in supply chain management	3

CP-KIP 5 CP-KBP 4	CPMK 2	13	Doctor of agribusiness are able to manage and develop integrated Supply Chain models in Agribusiness	Integrated Supply Chain models in Agribusiness	Doctor of agribusiness are able to apply the Integrated Supply Chain models in Agribusiness	Accuracy in explaining and interpreting the integrated Supply Chain models in Agribusiness	Face to face with the Co-learning Method (2x50')	**Structured Assignments** Integrated Supply Chain models in Agribusiness *Small discussion group*) (2x60')	Independent Learning with the Self Directed Learning method(2x60')	Integrated Supply Chain models in Agribusiness	3
CP-KBP 4	CPMK 1,2	14	Doctor of agribusiness can apply and utilize to know and understand reputable international journal sources for guidance on writing articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness	Guidance on writing articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness	Doctor of agribusiness know and understand the reputable international journal sources for guidance on writing articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness	Accuracy in explaining the reputable international journal sources for guidance on writing articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness	Face to face with the Co-learning Method (2x50') with the Project Based Learning method (2x50')	**Structured Assignments** Oral and written assignments of Guidance on writing articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness (*Small discussion group*) (2x60')	Independent Learning with the Self Directed Learning method(2x60')	3 Entering Variables, Entering data, Performing estimates	3

CP-KBP 10	CPMK 2	15	Doctor of agribusiness can integrate concepts and practices Presentation articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness	Presentation articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness	Simulation and estimation of presentation articles for scientific journals on the theme of Integrated Supply Chain models in Agribusiness	Accuracy in presenting papers related to simulation and case estimates for articles on scientific journals on the theme of Integrated Supply Chain models in Agribusiness	Presentation (2x50') with the Project Based Learning method (2x50')	**Structured Assignments** Small Group discussion (2x60')	Independent Learning with the Self Directed Learning method (2x60')	1,2,3 Group paper presentation	3
CP-STN 8 CP-KIP 5 : CP-KBP 4 : CP-KBP 10	CPMK 1--2	16	Final Exam 100 minutes								3

Notes according to SE Dikti Permendikbud No 3/2020:

1. Learning Outcomes of doctor study program graduates (CPL-PRODI) are abilities possessed by each doctor study program graduate which is an internalization of attitude, mastery of knowledge and skills according to the level of study program obtained through the learning process.
2. The CPL charged to courses are some of the learning outcomes of study program graduates (CPL-PRODI) which are used for the formation/development of a course consisting of aspects of attitudes and values (CP-STN), general skills (CP-KU), skills specialty (CP-KK) and knowledge (CP-P).
3. Subject CP (CPMK) is a capability that is specifically described from CPL which is charged to the course, and is specific to the study material or learning material for the course.
4. Subject Sub-CP (Sub-CPMK) is a capability that is specifically described from CPMK which can be measured or observed and is the final ability planned at each stage of learning, and is specific to the learning material for that course.
5. Indicators for assessing abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities or performance of student learning outcomes accompanied by evidence.
6. Assessment criteria are benchmarks that are used as a measure or benchmark of learning achievement in assessment based on predetermined indicators. The assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be either quantitative or qualitative
7. Assessment techniques: test and non-test.
8. Forms of learning: Lectures, Responses, Tutorials, Seminars or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
9. Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
10. Learning Materials are details or descriptions of study materials that can be presented in the form of several main points and sub-topics.
11. The weight of the assessment is the percentage of the assessment of each achievement of the sub-CPMK which is proportional to the level of difficulty in achieving the sub-CPMK, and the total is 100%.
12. **TM**=Face to Face, PT=Structured Assignments, BM=Independent Learning.
13. **The calculation of 1 (one) credit per week is equivalent to:**
    - TM=Face to Face 50 minutes
    - PT=60 minute structured assignment
    - MB= Self-study 60 minutes

Work load: (TM 1400 minutes + PT 1680 minutes + BM 1680 minutes + exam 200 minutes) = 4960 minutes /60 minutes = 82.67 hours /25 hours = 3.30 ECTS

References:

1. Anatan, Lina., and Lela Ellitan., "Supply Chain Management Theory and Applications". Alphabet. Bandung. 2014
2. Chopra, Sunil., and Meindl. Peter., "Supply Chain Management: Strategy, Planning, and Operation". Pretince-Hall. New Jersey. 2007 Handouts
3. Heider, J., & Render, B. (2015). Operations Management : Continuity and Supply Chain Management. Jakarta: Salemba Empat Publishers.

4. Heizer, Jay., and Barry Render., “Operation Management”. Pretice-Hall, Inc. Upper Saddle River. New Jersey. 2024.
5. Indrajit, RE, & Djokopranoto, R. (2002). The Concept of Supply Chain Management: A New Way of Looking at the Goods Supply Chain. PT. Gramedia Widiasarana Indonesia. Jakarta.
6. Levi et al. 2000. "Designing and Managing the Supply Chain". 2000. USA: McGraw-Hill
7. Pujawan, I N., & Er, M. 2017. Supply Chain Management Edition 3. Yogyakarta: Publisher Andi
8. Supply Chain Council., “Supply Chain Operation Reverence Model. Overview of SCOR: Supply Chain Council”. 2008.

Assignment Method

No.	Assingmnet	Material	Assessment Method	score	Weight	WXS	CLOS 1	CLOS 2
1	Assingmnet1	Lec 1-7	Review Papers	90	0.14	12,6	92	
2	Assingmnet 2	Lec 9-15	Presentation of review paper results	90	0.14	12,6		94
3	Mid Exams	Lec 1-7	Case Exam	86	0.32	27,52	88	
4	Final Exams	Lec 9-15	Case Exam	86	0.4	34,4		86
	Final Score					87,12	200.00	250.00
	Grade					A	180.00	180.00
	CLO Achievements						90.00	90.00

ECTS CALCULATIONS
NO PRACTICUM

Meeting	class credits	Face to face	Structured Work	Learn to be independent	Practice	Exam	Total
1	2	50	60	60	0		340
2	2	50	60	60	0		340
3	2	50	60	60	0		340
4	2	50	60	60	0		340
5	2	50	60	60	0		340
6	2	50	60	60	0		340
7	2	50	60	60	0		340
8	2	UTS				100	100
9	2	50	60	60	0		340
10	2	50	60	60	0		340
11	2	50	60	60	0		340
12	2	50	60	60	0		340
13	2	50	60	60	0		340
14	2	50	60	60	0		340
15	2	50	60	60	0		340
16	2	UAS				100	100
Total		1750	2100	2100	0	200	4960
					Total minutes		4960
					Total hour	divided by 60	82.6666667

					Total ECTS	divided by 25	3.30666667