



Module Handbook

AGRIBUSINESS STUDY PROGRAM





**M
O
D
U
L
E
H
A
N
D
B
O
O
K**

Contents

1.	Religion	1
2.	Civic	3
3.	Mathematic	5
4.	Introduction to Agricultural.....	7
5.	Botany	9
6.	Fundamentals of Management	11
7.	Introduction to Agricultural Economics	14
8.	Fundamentals of Business	16
9.	Indonesian	18
10.	English	20
11.	Pancasila.....	22
12.	Research Methods.....	24
13.	Fundamentals of Agronomy	26
14.	Applied Computer Science.....	28
15.	Rural Sociology	30
16.	Microeconomics	32
17.	Human Resources Management	34
18.	Introduction to Agricultural Technology	36
19.	Demography	39
20.	Agribusiness Accounting and Finance.....	41
21.	Fundamentals of Soil Science	43
22.	Statistics	45
23.	Agribusiness System.....	47
24.	Macroeconomic	50
25.	Agroclimatology	52
26.	Community Empowerment	54
27.	Supply Chain and Value Chain Management	57
28.	Managerial Economic Development	59
29.	Agricultural Extension	63
30.	Information Technology and Multimedia	65
31.	Agribusiness Social Organization and Leadership	67
32.	Economics of Agribusiness Institution	69
33.	Agribusiness Strategic Management and Policy	71
34.	Farm Management	74
35.	Fundamentals of Plant Protection.....	76
36.	Agribusiness Communications	78
37.	Sharia Economics*	80
38.	International Economics.....	83
39.	Development Sociology	85
40.	Statistic for Social and Economic Studies	88
41.	Agribusiness Production Management	90



**M
O
D
U
L
E

H
A
N
D
B
O
O
K**

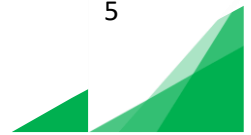
42.	Agribusiness Feasibility Analyses	92
43.	Natural Resource Economic	95
44.	Agribusiness Production Economics	98
45.	Mass Communication*	101
46.	Soil and Water Conservation*	103
47.	Group Dynamics and Participatory Development***	106
48.	Participatory Development Methods *	109
49.	Agribusiness Marketing Management*	111
50.	Operational Research*	114
51.	Social Economics Research Methodology*	117
52.	Entrepreneurship*	120
53.	Agribusiness Multi Commodity and Ecosystem*	122
54.	Econometric*	125
55.	Regional Planning*	128
56.	Community Development Planning and Evaluation*	131
57.	Community Service Program	134
58.	Internship.....	136
59.	Field Practice	138
60.	Seminar	140
61.	Research Project	142

Module Name	Religion
Code	UNI 001117
Semester (s) in which the module is taught	2 nd semester/1st year
Person responsible for the module	Dr. Nurhasan, M. Ag dan Religion Team Teaching
Language	Indonesian
Type of teaching	Lecture, practical, and project
Relation to curriculum	Compulsory Course
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skill LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes. 3.2. Specific Skill LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<ol style="list-style-type: none"> 1. Introduction to Religious education 2. The Concept of God in Islam 3. The concept of faith and piety <ol style="list-style-type: none"> 1. Implementation of Faith and Taqwa in modern life 2. Human nature according to Islam 3. Law, HAM, and Democracy in Islam 4. Islamic Law, Contribution of Muslims in Indonesia

	<ol style="list-style-type: none"> 5. Moral and Moral Ethics 6. Science and technology and art in Islam 7. Inter-religious harmony 8. Civil Society 9. Islamic Economics 10. The concept of Islamic culture 11. Islamic political concept
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Pratical works
Reading list	<ol style="list-style-type: none"> 1. Dikti. 2016. Pendidikan Agama Islam Untuk Perguruan Tinggi. Dikti. 2. Rustam, R., Haris, Z.A. Buku Ajar Pendidikan Agama Islam Di Perguruan Tinggi. Omega. 3. Amin, R. 2015. Sistem Pembelajaran Pendidikan Agama Islam pada Perguruan Tinggi Umum. Deepublish.

Module Name	Civic
Code	UNI 002117
Semester (s) in which the module is taught	1 st semester/1 st year
Person responsible for the module	DR. LR Retno Susanti, M. Hum dan Team Teaching
Language	Indonesian
Type of teaching	Lecture, practical, and project
Relation to curriculum	Compulsory Course
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skill LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes. 3.2. Specific Skill LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<ol style="list-style-type: none"> 1. Concept, Purpose, Vision, Mission and Background importance of Civic Education 2. National Identity 3. National Integration 4. The State and Constitution of Indonesia 5. The Constitution of Indonesia as a Nation-State 6. Rights and obligations of citizens

	<ol style="list-style-type: none"> 7. Indonesian Democracy 8. Law enforcement and HAM 9. Archipelago Insights/ Geopolitics. 10. Gestrategis Indonesia/ National Resilience
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Pratical works
Reading list	<ol style="list-style-type: none"> 1. Putra, Z., Wajdi, H.F. 2021. Buku Ajar Pendidikan Pancasila dan Kewarganegaraan Panduan Kuliah di Perguruan Tinggi. Ahlimedia Book. 2. Wahono, S., Suajiyo., Malik, D.K. Pendidikan Pancasila untuk Perguruan Tinggi. Akademika. 3. Suharta. 2019. Pancasila. Penerbit Lakeisha.



Module Name	Mathematics
Code	PER 101117
Semester (s) in which the module is taught	1 st semester/1 st year
Person responsible for the module	Dr. Ir. Herlina Hanum, M.Si. dan Mathematic Team Teaching
Language	Indonesian
Type of teaching	Lecture, practical, and project
Relation to curriculum	Compulsory Course
Workload (incl. Contact hours, self-study hours)	Face-to-face 40.00 + Exam 3.67 hours + Structured assignment and self-study 72.00 = 110.67 hours.
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Attitudes and Values LO-AV-1: To fear of The Almighty God LO-AV-2: To have good morals, ethnics and personal in completing their duties LO-AV-3: To play a role as a proud citizen and love the homeland and support world peace
Content	<ol style="list-style-type: none"> 1. Real numeral system; Rational and irrational numbers; Operations on real numbers, ;Characteristif of Field 2. Inequality ; Absolute value; square root; square 3. Quadrilateral coordinate system, point distance, straight line, slope of line 4. The point of intersection of the curve; Draw an equation graph 5. Definition of function; Drawing function; Sum operation and multiplication, Composition of functions and trigonometric functions 6. Definition of limit; limit theorem; Continuity of function 7. Definition of derivative through limit; derivate search rules; derivate sinus dan cosinus 8. Leibniz Writing chain rule; High-level derivative 9. Maximum-minimum function; monotony; Concavity 10. Integral concept; Integral determination rule 11. Integral of composition function (Replacement method 12. Area of flat area

M
O
D
U
L
E
H
A
N
D
B
O
O
K

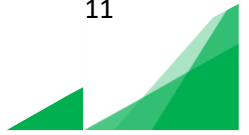
	<p>13. Ordo matrix ; Transpose, sumation, multiplication; Determinant ; ajoin, dan kofactor Invers matrix</p> <p>14. System linear Of equations ; Form matrix from System linear of equations ; Solution System linear Of equations ; Notation sigma Σ</p>
Examination forms	<p>1. Essays questions</p> <p>2. Pratical works</p>
Reading list	<p>1. Mulyadi, S.R., Patty, E.N.S., Ama, H.M., Anggraeni, D.M. 2020. Buku Matrikulasi Matematika Dasar untuk Tingkat Perguruan Tinggi. uwais inspirasi Indonesia.</p> <p>2. Jumini, S. 2017. Buku Ajar Matematika Dasar Untuk Perguruan Tinggi. Penerbit Mangku Bumi.</p> <p>3. Suryanti, S., Zawawi, I. 2020. Pengantar Dasar Matematika. Deepublish.</p>

Module designation	Introduction to Agricultural Science
Code	PER 102117
Semester (s) in which the module is taught	1 st semester/1 st year
Person responsible for the module	Ir. Suparman SHK, Ph.D. Ir. Yulia Pujiastuti, M.S., Ph.D.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-5: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings.</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level. LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness.</p>
Content	<ol style="list-style-type: none"> 1. Importance of agriculture 2. History and development of agriculture 3. Agriculture and civilization 4. Job opportunity in agricultural sector 5. Inventors in agriculture 6. Climate Change in relation to agriculture 7. Food and energy security. 8. Plant domestication 9. Animal domestication 10. Pest and disease in agriculture 11. Soil and water for agriculture 12. Crop cultivation, from seed to harvest 13. Harvest and post-harvest handlings 14. Biotechnology in agriculture

Examination forms	<ol style="list-style-type: none">1. Essays questions2. Writing paper3. Photographs collection on agricultural objects
Reading List	<ol style="list-style-type: none">1. Erickson Cl. 1988. Raised field agriculture in the Lake Tricaca Basin: Putting Ancient Agriculture Back to Work. Expedition 30(3):8-16.2. Guber, DL. The Grassroots of a Green Revolution: Polling America on the Environment. The MIT Press, Cambridge, England.3. Cowan, CW and Watson, PJ. 2006. The Origin of Agriculture; An International Perspective. The University of Alabama Press, Tuscaloosa.

Module Designation	Botany
Code	PER 103117
Semester (s) in which the module is taught	1 st semester/1 st year
Person responsible for the module	1. Dr. Susilawati, S.P., M.Sc. 2. Dr. Ir. Maria Fitriana, M.Sc. 3. Dr. Ir. Marlina, M. Si. 4. Ir. Teguh Achadi, M.P. 5. Dr. Fikri Adriansyah, S.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	1. Lectures (explanation, discussion) 2. Structured assignment (i.e.: article reading and review) 3. The class size 30-75 students per class 4. Contact hours for lecture are 51.33 hours per semester 5. Total hours practical is 34 hours per semester
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 14.17 hours + Structured assignment and self-study 48.00 = 89.17 hours.
Credit points	3 credits (equivalent with 4.36 ECTS)
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Attitudes and Values LO-AV-5: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings. 2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level. LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness. LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.

Content	<ol style="list-style-type: none"> 1. Introduction, Definition, history and theory of cells. 2. Structure, cell organelle and function of plant cells. 3. Cell reproduction. 4. Relationships between cells and tissues. 5. Tissue according to the number of constituent cells, level of development and function. 6. Anatomy, morphology and function of leaves, stems. 7. Anatomy, morphology and function of roots. 8. Flower and Fruit organ. 9. Taxonomy and plant systematics. 10. Plant nomenclature. 11. Plant identification. 12. Plant description.
Examination forms	<p>Quiz, Mid-terms and Final Examination</p> <ol style="list-style-type: none"> 1. Essays questions 2. Practical works 3. Writing Case Paper 4. Oral presentation
Media employed	LCD, whiteboard, websites
Reading list	<ol style="list-style-type: none"> 1. Elpel, T.J. 2013. Botany in a Day: The Patterns Method of Plant Identification. HOPS Press. 2. Mauseth, J.D. 1991. Botany: An Introduction to Plant Biology. Jones & Bartlett Learning. 3. Pollan, M. 2001. The Botany of Desire: A Plant's-Eye View of the World. Random House Trade Paperbacks. 4. Hodge, G. 2013. Practical Botany for Gardeners: Over 3,000 Botanical Terms Explained and Explored. University of Chicago Press. 5. Pollan, M. 2001. The Botany of Desire: A Plant's-Eye View of the World. Random House Publishing Group. 6. Wohlleben, P. 2015. The Hidden Life of Trees: What They Feel, How They Communicate – Discoveries from a Secret World. Greystone Books. 7. Erskine, W., Muehlbauer, F.J., Sarker, A., Sharma, B. 2009. The Lentil Botany, Production and Uses. Icarda. 8. Heywood, V.H., Brummitt, R.K., Culham, A., Seberg, O. 1978. Flowering Plan Families of the World. Firefly Books.



M
O
D
U
L
E
H
A
N
D
B
O
O
K

Module designation	Fundamentals of Management
Code	ABI 301117
Semester (s) in which the module is taught	1 th semester/1 nd year
Person responsible for the module	Ir. Fauzia Asyiek, M.A.,Ph.D Dr. Ir. Idham Alamsyah, M.Si Dr.Ir. Amruzi Minha, M.Si Ir. Yulius, MM Dwi Wulan Sari, S.P.,M.Si.,Ph.D Henny Malini,S.P.,M.Si Erni Purbiyanti, S.P.,M.Si Muhammad Arby, M.Si Thirtawati, S.P.,M.Si Elly Rosana, S.P.,M.Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative Learning, Case Based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values</p> <p>LO-AV-2: Students have good morals, ethics and personality in completing their duties</p> <p>LO-AV-4: Studets able to work together and have high social sensitivity and concern for society and the environment.</p> <p>LO-AV-8: Students able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies</p> <p>LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills</p> <p>3.1. General Skills</p> <p>LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social</p>

	<p>resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: Students able to use methods and formulate strategies for the use of resources to increase the capacity of themselves and the community in facing the challenges of agribusiness development in the future.</p> <p>LO-OS-7: Able to communicate business policy and agribusiness management for the benefit of empowering farmers.</p> <p>LO-OS-11: Able to manage and develop agribusiness businesses by implementing a management system that ensures quality output</p>
Content	<ol style="list-style-type: none"> 1. Introduction, and Development of Figures of Management 2. Planning Function 3. Organization Function 4. Departmentation 5. Staff and Committee 6. Delegation 7. Acquiring Employees 8. Advancing Employees 9. Utilizing Employees 10. Dismissing Employees 11. Giving Ordes Function 12. Supervision Function 13. Human Resource Management 14. Presentation Of The Company's Case Review
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Case Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Hasibuan, Malayu. 2001. Management: Basics, Understanding and Problems. Earth Characters. Jakarta Manulang. 1998. 2. Management Basic. Ghalia Indonesia. Jakarta. 3. Rae, Leslie. 1993. 50 Activities to Develop Management Skills. Volume 1. Scripting. Jakarta. 4. Stoner, James. 2001. Management Volumes 1 and

M
O
D
U
L
E
H
A
N
D
B
O
O
K

	<p>2. Erlangga. Jakarta. Williams, Teresa. 1993. 50 Activities to Develop Management Skills. Volume 2. Scripting. Jakarta. Zandstra,</p> <p>5. Jack. 1993. 50 Activities to Develop Management Skills. Volume 3. Jakarta</p>
--	--

Module designation	Introduction to Agricultural Economics
Code	ABI 201117
Semester (s) in which the module is taught	1 st semester/1 st year
Person responsible for the module	1. Prof.Dr.Ir.Adny Mulyana, M.Si 2. Dr.Agustina Bidarti, S.P., M.Si 3. Dr.Erni Purbiyanti, S.P., M.Si. 4. Eka Mulyana, S.P., M.Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-5: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings.</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level. LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness. LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness</p>

	system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.
Content	<ol style="list-style-type: none"> 1. Indonesian Agricultural Economy 2. Agricultural Economic Problems 3. Institutional Factors of Agricultural Economic 4. Economic Principles in Agriculture 5. Soil in Agricultural Production 6. Modules in Agricultural Production 7. Labor in Agricultural Production 8. Demand and Supply of Agricultural Products 9. Agricultural Trad 10. Markets and Trade Policy 11. Trade Issues 12. Agricultural Development Theories 13. The Government's Role in Agricultural Development 14. Agricultural Economics Research
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Rita, H. 2020. Pengantar Ekonomi Pertanian. Penerbit Andi, Jakarta. 2. Yosi et al. 2012. Pengantar Ekonomi Pertanian. ITB Press. 3. Sharma, L. 2021. Principles of Agricultural Economics. Agrotech Publishing Academy. 4. Rosyidi, S. 1996. Pengantar Teori Ekonomi (Pendekatan Kepada Teori Ekonomi Mikro dan Makro). .PT. RajaGrafindo Persada. 5. Husnan, S dan Suwarsono. 1994. Studi Kelayakan Proyek (Edisi ketiga). UPP AMP YKPN 6. Kadariah, L. Karlina dan C Gray. 1999. Pengantar Evaluasi Proyek (Edisi Revisi). LPFE Universitas Indoensia. 7. Gray, C., Simanjuntak, P. Sabur, LK., Maspaitell.dan RCG. Varley. 2005. Pengantar Evaluasi Proyek (edisi kedua). PT Gramedia Pustaka Utama

Module designation	Fundamentals of Business
Code	ABI 401117
Semester (s) in which the module is taught	1 st semester/1 st year
Person responsible for the module	Dr. Ir. Maryadi, M.Si. Dr. Ir. Amruzi Minha, M.S. Dwi Wulan Sari, S.P., M.Si., Ph.D. Eka Mulyana, S.P., M.Si. Indri Januarti, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 40.00 + Exam 3.67 hours + Structured assignment and self-study 72.00 = 110.67 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-8: Students able to internalize the entrepreneurial spirit.</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level. LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient</p>

	<p>agribusiness.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: Students able to use methods and formulate strategies for the use of resources to increase the capacity of themselves and the community in facing the challenges of agribusiness development in the future.</p>
Content	<ol style="list-style-type: none"> 1. Understanding business (business) and company, 2. Company in social system, 3. Forms of economic system, 4. Forms of business / company, 5. Determination or selection of company location, 6. Procedures for company establishment, 7. Corporate relations and sources of capital and / or banking (1) 8. Corporate relations and sources of capital and / or banking (2) 9. Organizational structure and management of the company and job description, 10. Company functions, company management tools, 11. Preparation of business plans (1) 12. Preparation of business plans (2)
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Emrah Yayici. 2020. Business Analysis Methodology Book.B.A Works Inspiring Series. 2. Ismail Solihin. 2015. Pengantar Bisnis.Penerbit Erlangga,Ciracas. Jakarta 13740 3. Sudaryono, DR. 2015. Pengantar Bisnis ; Teori dan Contoh Kasus. Penerbit CV.Andi Offset, Yogyakarta. 4. M.Fuad; Christine, H; Nurlela ; Sugiaharto; Paulus, Y.E.F. 2003. Pengantar Bisnis. Penerbit PT. Gramedia Pustaka Utama. Jakarta. 5. Nugroho J. Setiadi, SE.,MM. 2003. Prakiraan Bisnis ; Pendekatan Analisis Kuantitatif Untuk Antisipasi Bisnis. Penerbit Prenada Media. Rawamangun Jakarta Timur.

Module Name	Indonesian
Code	UNI 003117
Semester (s) in which the module is taught	2 st semester/1 st year
Person responsible for the module	Dr. Zahra A., M.Pd. dan Indonesia Language Team Teaching
Language	Indonesian
Type of teaching	Lecture, practical, and project
Relation to curriculum	Compulsory Course
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skill LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes. 3.2. Specific Skill LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<ol style="list-style-type: none"> 1. History of Indonesian Language Development 2. The position, function, and legal force of the Indonesian language 3. Characteristics of academic texts 4. Academic text structure 5. Spelling and punctuation in academic texts 6. The Nature of Effective Sentences; Characteristics

	<p>of Effective Sentences; Sentence Structure; Types of Sentences</p> <p>7. The Nature of Paragraphs; Paragraph Forming Elements; Types of Paragraphs; Requirements for a Good Paragraph; Techniques and Patterns of Paragraph Development</p> <p>8. Systematics of writing quotes</p> <p>9. Systematics of writing a bibliography</p> <p>10. Characteristics of an essay</p> <p>11. Essay writing structure</p> <p>12. Essay writing</p> <p>13. Presentation of the resulting essay writing</p>
Examination forms	<p>1. Essays questions</p> <p>2. Pratical works</p>
Reading list	<p>1. Rokhmansyah, A., Rijal, S., Puwanti. 2018. Bahasa Indonesia untuk Perguruan Tinggi. Unnes Press.</p> <p>2. Awaluddin. 2017. Pengantar Bahasa Indonesia untuk Perguruan Tinggi. Deepublish.</p> <p>3. Mukodas. 2020. Bahasa Indonesia Cendekia Mata Kuliah Wajib Umum Bahasa Indonesia. Penerbit Lindan Bestari.</p>

Module Designation	English
Code	UNI 004117
Semester (s) in which the module is taught	2 nd semester/1 st year
Person responsible for the module	English Teaching Team
Language	Indonesian
Type of teaching	Lecture, practical, and project
Relation to curriculum	Compulsory Course
Teaching methods	<ol style="list-style-type: none"> 1. Lectures (explanation, discussion) 2. Structured assignment (i.e.: article reading and review) 3. The class size 30-75 students per class 4. Contact hours for lecture are 23.33 hours per semester
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours
Credit points	2 credits (equivalent with 3.00 ECTS)
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Attitudes and Values LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership. 2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness. 3. Occupational Skills <ol style="list-style-type: none"> 3.1. General Skill LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes. 3.2. Specific Skill LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.
Content	<ol style="list-style-type: none"> 1. Vocabulary in English. 2. Grammar and sentences in English.

M
O
D
U
L
E

H
A
N
D
B
O
O
K

	<ol style="list-style-type: none"> 3. Mastery of the meaning of words and sentences in English. 4. Mastery of translating English to Indonesian in the agricultural sector. 5. The use and disclosure of words and sentences in write well and correctly. 6. The use and disclosure of words and sentences in good and correct speech. 7. Mastery of the ability to communicate using English.
Examination forms	Quiz, Mid-terms and Final Examination <ol style="list-style-type: none"> 1. Essays questions 2. Practical works
Media employed	LCD, whiteboard, websites
Reading list	<ol style="list-style-type: none"> 1. Hutchinson, T. 2007. English for Life: Pre-intermediate. Student's book. Oxford University Press. 2. Susesno, E. 2019. Bahasa Inggris untuk Pemula Metode Komik. Deepublish. 3. Priyasudiarja, Y. 2016. English for Presentation and Public Speaking. Al-Mizan.

Module Name	Pancasila
Code	UNI 005
Semester (s) in which the module is taught	1 st semester/1 st year
Person responsible for the module	Dr. Hudaidah, M.Pd dan Pancasila Team Teaching
Language	Indonesian
Type of teaching	Lecture, practical, and project
Relation to curriculum	Compulsory Course
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skill LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes. 3.2. Specific Skill LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<ol style="list-style-type: none"> 1. Introduction to Pancasila Education : the concept and urgency of Pancasila education, the reason for the need for Pancasila education, historical sources, sociological, Pancasila education politics 2. The dynamics and challenges of Pancasila education and the essence and urgency of Pancasila education for the future 3. Pancasila in the Current History of the Indonesian

	Nation 4. Pancasila as the State Foundation 5. Pancasila as the State Ideology 6. Pancasila as a Philosophical System 7. Pancasila as a System of Ethics 8. Pancasila as the Basic Value of Science Development 9. The dynamics and challenges of Pancasila as the basis for the value of science development
Examination forms	1. Essays questions 2. Pratical works
Reading list	1. Putra, Z., Wajdi, H.F. 2021. Buku Ajar Pendidikan Pancasila dan Kewarganegaraan Panduan Kuliah di Perguruan Tinggi. Ahlimedia Book. 2. Wahono, S., Suajiyo., Malik, D.K. Pendidikan Pancasila untuk Perguruan Tinggi. Akademika. 3. Suharta. 2019. Pancasila. Penerbit Lakeisha.

Module Designation	Research Methods
Code	PER 104117
Semester (s) in which the module is taught	2 nd semester/1 st year
Person responsible for the module	1. Prof. Dr. Ir. Rujito Agus Suwignyo, M.Agr. 2. Prof. Dr. Ir. Benyamin Lakitan, M.Sc.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	1. Lectures (explanation, discussion) 2. Structured assignment (i.e.: article reading and review) 3. The class size 30-75 students per class 4. Contact hours for lecture are 23.33 hours per semester
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours
Credit points	2 credits (equivalent with 3.00 ECTS)
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Attitudes and Values LO-AV-2: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings. LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership. 2. Science Competencies LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness. LO-SC-5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition. LO-SC-6: To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.
Content	1. Three cardinal sins in research & scientific writings. 2. Systematic steps in searching of research topics.

M
O
D
U
L
E
H
A
N
D
B
O
O
K

	<ul style="list-style-type: none"> 3. Research & publication as a continuum. 4. Publications and academic profession. 5. Discussion of student-selected issues.
Examination forms	Quiz, Mid-terms and Final Examination <ul style="list-style-type: none"> 1. Essays questions 2. Practical works 3. Writing Case Paper 4. Oral presentation
Media employed	LCD, whiteboard, websites
Reading list	Research publications related to reseach methods.

Module Designation	Fundamentals of Agronomy
Code	PER 105117
Semester (s) in which the module is taught	2 nd semester/1 st year
Person responsible for the module	Dr. Ir. Yakup, M. S. Dr. Ir. Firdaus Sulaiman, M. Si. Dr. Ir. Zaidan Panji Negara, M. Sc. Fitra Gustiar, S. P., M. Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning and assignment
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 28.33 hours + Structured assignment and self-study 48.00 = 103.33 hours
Credit points	3 credits (2 credits theory and 1 practice)
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-5: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings.</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level. LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness. LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p>
Content	<p>1. Basic definitions and scopes of agronomy.</p> <p>2. Agricultural development and the role of agronomy.</p> <p>3. Areas of origin and centers of crop production.</p> <p>4. Agronomic plant grouping and examples</p>

	<ol style="list-style-type: none"> 5. Plant growth and development 6. Effect of abiotic factors on plant growth and development 7. Effect of biotic factors on plant growth and development 8. Grouping and roles of growth regulator substances (GRS), enzymes, and vitamins 9. Plant breeding 10. Plant propagation (sexual and asexual), and tissue culture 11. Preparation of dry land, swamp land, and micro land 12. Nurseries, seeding, and planting 13. Cropping patterns and crop diversification 14. Agricultural intensification, and agricultural extensification 15. Sustainability of land resources/conservation, and utilization of agricultural waste 16. Agricultural production facilities
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Pratical works 3. Writing Case Paper 4. Oral presentation
Reading list	<ol style="list-style-type: none"> 1. Webster, C.C., Wilson, P.N. 1998. Agriculture in the Tropics. Blackwell Science. 2. Arya, R.L. 2020. Fundamentals of Agronomy. Scientific Publishers. 3. de Gopal, C. 2019. Fundamentals of Agronomy. Oxford and Ibh Publishers. 4. Donald, L., Sparks. 2021. Advances in Agronomy, Volume 167. Academic Press; 1st edition. 5. Chandrasekaran, B., Annadurai, K., Somasundaram. 2010. A Textbook of Agronomy. New Age International Publishers New Delhi. 6. Jhariya, M. J., Meena, R W., Banerjee, A. 2021. Ecological Intensification of Natural Resources for Sustainable Agriculture. Springer; 1st ed. 2021 edition. 7. Sadras, V., Calderini, D. 2020. Crop Physiology Case Histories for Major Crops. Academic Press; 1st edition.

Module designation	Applied Computer
Code	ABI 601117
Semester (s) in which the module is taught	2 th semester/1 th year
Person responsible for the module	Dr. Ir. Maryadi, M.Si. Ir. Mirza Antonie, M.Si., Ph.D. Dr. Agustina Bidarti, SP., M.Si. Henny Malini, SP., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-8: Students able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC-4: Students able to operationally understand the social, economic and technological principles that underlie the management of agricultural businesses and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of computing-based agribusiness</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness. 3.2. Specific Skills LO-OS-6: Students able to use computer applications to formulate resource use strategies to increase self and community capacity in facing future challenges of agribusiness development.</p>

Content	<ol style="list-style-type: none"> 1. Introduction 2. Editing and beautifying the text: 3. Creating tables, figures and table of contents 4. Pages and printing 5. The basic technique of using Ms. Excel: 6. Mathematical Logical Operations 7. Statistics and finance 8. Graphics 9. Basics of Ms. power point 10. Import techniques, file settings, images and graphics 11. Text Coloring 12. Writing presentation settings 13. Create a PDF Document and the technical support 14. Using Database in data management
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Antoni, M. 2010. Aplikasi Komputer. Diktat Kuliah. Fakultas Pertanian Universitas Sriwijaya. 2. Vincentia Dwiyani Subiyanto. 1997. Belajar Menggunakan Excel, PT. Elex Media Komputindo. Jakarta. 3. CD belajar mudah dan cepat MS Excel, Intra Lonk Sinergi. Tutorial Sesi i 1 s/d 3 4. Artikel dan beberapa bahan dari internet.

Module designation	Rural Sociology
Code	ABI 501117
Semester (s) in which the module is taught	2 nd semester/1 nd year
Person responsible for the module	Ir. Fauzia Asyiek, M.A.,Ph.D Ir. Yulian Junaidi, M.Si Dr. Riswani, S.P., M,Si Dr. Yunita, S.P.,M.Si Dr. Agustina Bidarti, S.P.,M.Si Henny Malini,S.P.,M.Si Elly Rosana, S.P.,M.Si Eka Mulayana, S.P.,M.Si Indri Januarti, S.P., M.Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning,Case based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: Able to work together and have high social sensitivity and concern for society and the environment. LO-AV-5: Able to manage and develop agribusiness businesses by implementing a management system that values cultural diversity, views, beliefs, and religions and the original opinions / findings of others</p> <p>2. Science Competencies LO-SC 3: Able to understand the fields of economics, management, business, entrepreneurship, institutional, sociology, counseling and communication, as well as agricultural sciences for the development of sustainable agribusiness operating systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: Able to communicate and negotiate effectively with rural community stakeholders and in the development of agribusiness operating systems by utilizing</p>

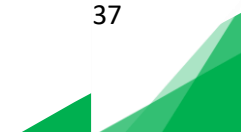
	<p>information technology in the field of agribusiness, to realize sustainable and efficient agribusiness</p> <p>3.2. Specific Skills</p> <p>LO-OS-8: Able to communicate and negotiate effectively with rural community stakeholders and in the development of agribisnist operating systems by utilizing information technology in the field of agribusiness, to realize agribusiness Able to motivate and empower the community in the field of agribusiness business development to improve the welfare of rural communities</p>
Content	<ol style="list-style-type: none"> 1. Understanding Rural Sociology 2. Social Interaction 3. Social Groups 4. Rural Social Institutions 5. Social System 6. Social Structure 7. Culture 8. Social Problems 9. Social Stratification 10. Social Change 11. Social Change in the Countryside 12. Village Development 13. Social Mobility 14. Modernization
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Case Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Cohen, Bruce J.; Simamora, Sahat, translator (Bina Aksara, 1983) Sociology an Introduction, Publisher Rineka Cipta 2. Rahardjo.1999. Introduction to Rural Sociology and Agriculture. Yogyakarta: Gajah Mada University Press 3. Soerjono Soekanto, 1985, Sociology of an Introduction, Jakarta: Rajawali Press 1. 4.Soekanto, Soejono. 2010. Sociology an Introduction. Jakarta: Raja Grafindo Persada 2. 5.Sugihen. 1996. Rural Sociology An Introduction. Jakarta: PT RajaGrfindo Persada.

Module Designation	Micro Economics
Code	ABI 202117
Semester (s) in which the module is taught	2 nd semester/1 st year
Person Responsible for the Module	Dr. Ir. Laila Husin, M.Sc. Dr. Ir. Elisa Wildayana, M.Si. Dr. Ir. Lifianthi, M.Si.
Language	Indonesian
Relation to Curriculum	Compulsory Course
Teaching Methods	Contextual Learning, Cooperative Learning, Project Based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours
Credit Points	3 (2-1) credits
Required and Recommended Prerequisite for Joining the Module	-
Module Objectives/Intended Learning Outcomes	<p>2. Science Competencies LO-SC 4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS 3 : Students able to make the right decisions using quantitative and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems. 3.2. Specific Skills LO-OS 6 : Students able to use econometric methods to formulate resource use strategies to increase self and community capacity in facing future agribusiness development challenges.</p>

Content	<ol style="list-style-type: none"> 1. Introduction 2. Economic Activity and Price Theory 3. Demand, Supply and Price 4. Theory of Consumption : Functional Utility Approach 5. Theory of Consumption: Indifference Curve 6. Theory of Production: Optimum Production Level 7. Theory of Production: Lowest Cost Combination and Product Relationships 8. Theory of Production: Cost of Production and Supply 9. Theory of Market Structure: Perfect Competition Market 10. Theory of Market Structure : Monopoly and Monopolistic Competition 11. Theory of Market Structure: Duopoly and Oligopoly 12. Theory of Market Structure: Monopsony Market and Bilateral Monopoly
Examination forms	<ol style="list-style-type: none"> 1. Essays Questions
Reading List	<ol style="list-style-type: none"> 1. Henderson and Quandt. 1980. Microeconomic Theory. A Mathematical Approach. Mc. Graw-Hill International Book Company 2. I.B. Teken dan Sofyan Asnawi. 1971. Teori Ekonomi Mikro. Institut Pertanian Bogor 3. Sadono Sukirno. 2003. Pengantar Teori Mikroekonomi. Edisi ke Dua. PT. Raja Grafindo Persada Jakarta 4. Laila Bakir. 1996. Ekonomi Mikro (Konsep Konsumsi, Produksi, Biaya dan Bentuk Pasar). Diktat Kuliah. Fakultas Pertanian Universitas Sriwijaya. 5. Articles, paper and other sources from internet

Module designation	Human Resource Management*
Code	ABI 302117
Semester (s) in which the module is taught	2 nd semester/1 st year
Person responsible for the module	Prof. Dr. Ir. Sriati, M.S. Dr. Ir. Amruzi Minha., M.S. Dr. Ir. Lifianthi, M.Si Eka Mulyana, S.P. MSi.
Language	Indonesian
Relation to curriculum	Elective Courses
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: Able to work together and have high social sensitivity and concern for society and the environment.</p> <p>2. Science Competencies LO-SC 1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level</p> <p>3. Occupational Skills 3.1. General Skills LO-OS 1 : To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills LO-OS 6 : Students able to use econometric methods to formulate resource use strategies to increase self and community capacity in facing future agribusiness development challenges.</p>

Content	<ol style="list-style-type: none"> 1. Human Resource Management Overview 2. Social, Legal and Ethical Aspects of Human Resources 3. Human Resource Development Process 4. Human Resource Management Functions 5. Human Resources Empowerment 6. Training and Career Development 7. Management and performance appraisal 8. Organizational Development 9. Planning, selection and recruitment of Human Resources 10. Compensation strategies and practices 11. Variable income and allowances 12. Occupational health and safety 13. Employee Relations 14. Human Resource Management Issues.
Examination forms	<ol style="list-style-type: none"> 1. Essays and multiple-choice questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Robert L. Mathis, and John H. Jackson. 2006. Human Resources Management. Manajemen Sumberdaya Manusia. Ed. 10. Penerbit Salemba Empat. Jakarta. 2. Nadler, Leonard. 1990. Human Resources Development, The Handbook Of Human Resources Development”, Edited by Leonard & Zeace Nadler, 2nd Edition John Wiley&Sonc Inc Canada. 3. Gary Dessler. 2006. Human Resouces Management Judul edisi Bahasa Indonesia : Manajemen Sumberdaya Manusia. (edisi ke 10), Alih Bahasa oleh Paramita. Penerbit PT. Indeks. Jakarta. 4. Randall, Human Resources Management, Positioning for the 21st century 6th ed,DII. 5. Amstrong Michael, 1990. “Seri Pedoman Manajemen : Manajemen Sumberdaya Manusia.”. Alih Bahasa : Sofyan Cikmat & Hariyanto, Elek Media Komputindo, Jakarta.



Module designation	Introduction to Agricultural Technology
Code	PER 106117
Semester (s) in which the module is taught	2 nd semester/1 st year
Person responsible for the module	Prof. Dr. Ir. Amin Rejo, M.P. Prof. Dr. Ir. Basuni Hamzah, M.Sc. Dr. Ir. Gatot Priyanto
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Face-to-face lecture (offline) and E-Learning (online)
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values</p> <p>LO-AV-3: To play a role as a proud citizen and love the homeland and support world peace</p> <p>2. Science Competencies</p> <p>LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level.</p> <p>LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness.</p> <p>LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p>
Content	<p>1. Fundamental aspect of Agricultural Technology (Agricultural system and product handling and Technology as driving force in Agricultural Development)</p> <p>2. The Main aspect of Agricultural Technology</p> <p>3. General aspect of Land management and utilization</p>

	<p>in agricultural technology (I)</p> <ol style="list-style-type: none"> 4. General aspect of Land management and utilization in agricultural technology (II) 5. Contribution of Tools and Machinery on Agricultural Technology 6. Element of Postharvest Technology on Agricultural 7. The value and technoeconomic principle of Agricultural Technology 8. General aspect of Agricultural Product Technology 9. Element of Product handling and processing 10. Fundamental aspect of agricultural product preservation 11. Value and brand image based on packaging 12. Fundamental aspect on agroindustrial system and management 13. Capita selecta: Agricultural technology on Industrial 4.0 14. Student Focus Group Discussion: Case study report-special topic
Examination forms	<ol style="list-style-type: none"> 1. Oral presentation 2. Essay exam 3. Multiple choice exam
Reading List	<ol style="list-style-type: none"> 1. Dieter, G.E. 1991. Engineering Design. 2ndEd. McGraw-Hill, International Ed. New York-Tokyo 2. Meredith, D.D. et.al. 1992. Perancangan dan Perencanaan Sistem Rekayasa. (terjemahan: A. Maulana). Penerbit Erlangga, Jakarta 3. Jun, S. and J.M.Irudayaraj. 2009. Food Processing Operation Modeling (Design and Analysis). 2ndEd. CRC Press Taylor and Francis Group. Boca Raton, London, New York. 4. Sediawan, W.B. dan A. Prasetya. 1997. Permodelan Matematis dan Penyelesaian Numeris dalam Teknik Kimia. Penerbit. Andi Ofset, Yogyakarta. 5. Geankoplis, C.J. 1999. Transport Process and Unit Operation. 3rded. , Allyn & Bacon, Inc. Boston. 6. Smith, J.S. and J.H. Hui. 2004. Food Processing, Principle and Application. Blackwell Publ. Iowa. 7. Valentas, K.J., L.Levine dan J.P. Clark. 1991. Food Processing and Scale-up. Marcel Dekker, Inc. 8. Saguy, I. 1983. Computer-Aided techniques in Food Technology. Marcel Dekker, Inc

- | | |
|--|--|
| | <p>9. Heldman, D.R. dan D.B.Lund. 2007. Handbook of Food Engineering. 2nd.Ed. CRC Press-Taylor & francis group. Boca Raton, London, New York.</p> <p>10. Wirakartakusumah, M.A., B. Nurtama, G.Priyanto dan M. Aprpah. 1992. Teknik Pangan Lanjut. Monograph. PAU Pangan dan Gizi IPB., Bogor.</p> |
|--|--|

Module designation	Demography
Code	ABI 701117
Semester (s) in which the module is taught	3 rd semester/2 nd year
Person responsible for the module	Ir. Fauziah Asyiek, M.S., Ph.D. Ir. Maryanah Hamzah, M.Si. Dr. Dessy Adriani, SP, M.Si. Dr. Agustina Bidarti, SP., M.Si. Eka Mulyana, SP., M.Si.
Language	Indonesian
Relation to curriculum	Elective Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV 4 : Students able to cooperate and have social sensitivity and high concern for society and the environment. LO-AV 5 : Students Appreciate the diversity of cultures, other people's opinion, beliefs, and religions.</p> <p>2. Science Competencies LO-SC 3 : Students able to understand the science fo economics, management, business, entrepreneurship, institutions, sociology, counseling and communication, and agricultural sciences for the development of sustainable agribusiness operating systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS 1 : Students able to plan, implement and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and able to operate and develop agribusiness units that are innovative, accountable, create added value by prioritizing agricultural socio-economic principles and quantitative approaches and qualitative to realize sustainable and</p>

	efficient agribusiness sustainable.
Content	<ol style="list-style-type: none"> 1. Concepts and Definitions of Population Science, Population Analysis, and Population Data Sources 2. Population Composition and Distribution of Population 3. History of World Population Development 4. Demographic Transition 5. History of Population Theory 6. Component of Demography 7. Fertility 8. Mortality 9. Identification of Population Mortality 10. Mobility of Population 11. Causes of Migration Countries 12. Employment 13. Population Projection Policy of Demography
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Abdullah. 2007. Keterkaitan Kependudukan dan Lingkungan Hidup dalam Meningkatkan Kualitas Kehidupan. <i>Jurnal Lingkungan Hidup</i>. 3 (2): 89-101. 2. Adioetomo dan Samosir. 2013. <i>Dasar-Dasar Demografi</i>. Jakarta: Salemba Empat. 3. Ananta, A. 1993. <i>Ciri Demografis Kualitas Penduduk Dalam Pembangunan Ekonomi</i>. Lembaga Demografi. FEUI. Jakarta. 4. Barclay, G.W. 1984. <i>Teknik Analisa Kependudukan</i>. Jakarta: PT. Bina Aksara. 5. Coale, A.J. dan Hoover, E. 1955. <i>Population Growth and Economic Development in Low Income Countries</i>. 6. Mantra, I.B. 1991. <i>Mobilitas Penduduk Sirkuler dari Desa ke Kota di Indonesia</i>. Yogyakarta: Pusat Penelitian Kependudukan UGM. 4. Munir, R. 1981. <i>Migrasi Dalam Dasar-Dasar Demografi</i>. Jakarta: FEUI.

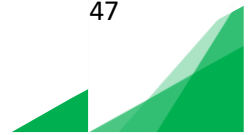
Module designation	Agribusiness Accounting and Finance
Code	ABI 403217
Semester (s) in which the module is taught	3 th semester/2 nd year
Person responsible for the module	Dr. Ir. Laila Husin, M.Sc. Dr. Ir. Lifianthi, M.Si. Ir. Yulius, M.M. Dr. Dessy Adriani, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Cased based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-8: Able to internalize the spirit of entrepreneurship</p> <p>2. Sciences Competencies LO-SC-4: Able to understand operationally the social, economic and technological principles that underlie the management of agricultural businesses and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving based on special financial considerations of agribusiness companies.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: Able to plan, implement and evaluate the allocation of natural, human, capital, and social resources to improve the operating efficiency of the agribusiness system, as well as being able to operate and develop innovative, accountable, and value-added agribusiness business units by prioritizing agricultural socioeconomic principles and quantitative and qualitative approaches to realize sustainable and efficient agribusiness. 3.2. Specific Skills LO-OS-11: To be able to manage, and develop</p>

	agribusiness by implementing a management system that guarantees quality output.
Content	<ol style="list-style-type: none"> 1. Agribusiness Finance Concept 2. Financial Statements and Transaction Recording 3. Financial Structure Analysis: Balance Sheet (Balance Sheet) 4. Revenue Analysis: Income Statement (LLR) 5. Cash Flow Analysis (<i>Cash Flow</i>) 6. Depreciation (Depreciation) 7. Agribusiness Company Financing Concept 8. Cost System and Cost Calculation of Agribusiness Companies 9. Calculatethe Cost of Orders And Processes of Agribusiness Companies 10. Calculation of The Cost of Combined and Side Products of Agribusiness Companies 11. Material: Agribusiness Company Cost Control and Calculation 12. Workers: Agribusiness Company Planning and Control 13. Overhead Factory: Agribusiness Company Planning and Control 14. Presentation
Examination forms	<ol style="list-style-type: none"> 1. Lectures 2. Structured Question and Answer 3. Field data collection, Report, Presentation and Discussion
Reading List	<ol style="list-style-type: none"> 1. Farm Management. 2004. Olson. Kent D. Farm Management. Iowa State University Press, Iowa 2. Battles and Robert C. Thompson. 2000. Fundamentals of Agribusiness Finance by Ralph W. Iowa State University Press. Iowa. 3. Libbin, James. D., Catlett, Lowell B., and M.L. Jones. 1994. Cash Flow Planning in Agriculture. Iowa State University Press. Iowa.

Module designation	Fundamental of Soil Science
Code	PER 109217
Semester (s) in which the module is taught	3 rd semester/2 nd year
Person responsible for the module	<ol style="list-style-type: none"> 1. Prof. Dr. Ir. Dedik Budianta, MS 2. Dr. Ir. Warsito, MS 3. Dra. Dwi Probowati Sulistyani, MS 4. Ir, Marsi, MSc, PhD 5. Dr. Ir. Satria Jaya Priatna, MS 6. Dr. Ir. A. Napoleon, MP 7. Dr. Ir. Dwi Setyawan, MSc 8. Dr. Ir. Bambang Prayitno, MSc 9. Dr. Ir. Agus Hermawan, MT 10. Dr. Ir. Bakri, MS 11. Prof. Dr. Ir. Edi Armanto, MS 12. Prof. Dr. Ir. Nuni Gofar, MS 13. Dr. Ir. Madjid Rohim, MS 14. Dr. Ir. Momon Imanuddin, MS 14. Ir. Sabarudin, MSc. PhD 15. Ir. Siti Nurul Aidil Fitri, MS
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning and assignment
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 28.33 hours + Structured assignment and self-study 48.00 = 103.33 hours.
Credit points	3 credits (2 credits theory and 1 practice)
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Attitudes and Values LO-AV-3: To play a role as a proud citizen and love the homeland and support world peace 2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level. LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness.

	LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.
Content (14 meetings) and two examinations	<ol style="list-style-type: none"> 1. Introduction of soil for agriculture (definition, function, etc) 2. Soil genesis: factors affecting soil formation and soil phases 3. Soil components for agriculture 4. Soil chemistry (soil acidity, soil alkalinity, CEC, SOM, soil liming) 5. Soil physics (soil texture, soil structure, soil pores, soil bulk density, soil specific density, soil moisture). 6. Soil biology (soil fauna and soil flora) 7. Soil development in Indonesia (Soil distribution and soil classification) 8. Examination
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing paper 3. Photographs collection on agricultural objects
Reading List	<ol style="list-style-type: none"> 1. Buckman, H.O. and N.C. Brady. 1982. Ilmu Tanah. Terjemahan Prof. Soegiman. Bhratara Karya Aksara Jakarta. 2. Huang, P.M., Li, Y. And Sumner, M.E. 2012. Handbook of Soil Sciences. Resource Management and Environmental Impacts. CRC Press. Taylor & Francis Group. New York.

Module designation	Statistics
Code	PER 107217
Semester (s) in which the module is taught	3 th semester/2 nd year
Person responsible for the module	Prof. Dr. Ir. Sriati, M.Si. Ir. Mirza Antoni, M.Si., Ph.D. Dr. Dessy Adriani, S.P., M.Si. Dwi Wulansari, S.P., M.Si., Ph.D.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness. LO-SC-5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p>



M
O
D
U
L
E
H
A
N
D
B
O
O
K

Content	<ol style="list-style-type: none"> 1. Introduction 2. Frequency Distribution: 3. Centering Size 4. Spread Size 5. Index Number 6. Periodic Data 7. Chance Theory: 8. Discrete Probability Spread: 9. Normal Spread: 10. Sample Withdrawal Theory 11. Parameter Estimation 12. Hypothesis test 13. Simple Regression and Correlation 14. Introduction to Non Parametric Statistics
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Multiple Choice 3. Case Based Method
Reading List	<ol style="list-style-type: none"> 1. Ronald E. Walpole: <i>Pengantar Statistika</i> 2. Sri Mulyono: <i>Statistika untuk Ekonomi</i> 3. M. Iqbal Hasan: <i>Pokok-pokok Materi Statistika I</i>

Module designation	Agribusiness System
Code	ABI 402217
Semester (s) in which the module is taught	3 rd semester/2 nd year
Person responsible for the module	Prof. Dr. Ir. Fachrurrozie Sjarkowi, M.Sc. Dr. Ir. Najib Asmani, M.Si. Dr. Ir. Laila Husin, M.Sc. Dwi Wulan Sari, S.P., M.Si., Ph.D.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV 8: Able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC-1: Able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level. LO-SC-2: Able to understand knowledge and technology in the field of agribusiness including the development of professional practices through research studies to produce innovative work in the field of agribusiness tested.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: Able to plan, implement and evaluate the allocation of natural, human, capital, and social resources to improve the operating efficiency of agribusiness systems, and able to operate and develop innovative, accountable agribusiness business units, create added value by prioritizing socio-economic principles of agriculture and quantitative and qualitative approaches to realize sustainable and efficient agribusiness. 3.2. Specific Skills LO-OS-10: Able to integrate Agribusiness System</p>

	concepts and practices in the field of agribusiness and entrepreneurship
Content	<ol style="list-style-type: none"> 1. Understanding Agribusiness System in general (Introduction, agribusiness and agro-industrial system, agribusiness system study approach, vertical integration & horizontal agribusiness system) 2. Agribusiness Meaning (regional unit perspective, investment unit perspective, company unit perspective) 3. Agribusiness Diversity (agro-ecosystem diversity, infrastructure diversity, commodity diversity) 4. Agribusiness Management (Agribusiness management functions, planning functions, organizing functions, implementation functions, supervisory functions, evaluation functions, control functions) 5. Production management in agricultural production efforts (agricultural production planning, organizing agricultural production inputs & means of agricultural production, agricultural production activities, supervision of agricultural production, evaluation of production agriculture, agricultural production control) 6. Production management in agricultural products processing business (agro-industrial planning, organizing inputs & processing facilities, processing activities, supervision of processing activities, evaluation of processing activities, control of processing activities) 7. Marketing & distribution of agribusiness products (basic understanding, agribusiness marketing as a science & art, agricultural marketing system, role of marketing system, approach to study and analysis of agricultural marketing) 8. Marketing functions (role marketing functions, the complexity of marketing systems varies between different commodities, description of marketing functions) 9. Agribusiness Risk (risk in agribusiness, managing risk in agribusiness) 10. Agribusiness technology technology (scope of agribusiness technology management, technology

	<p>in agribusiness, development and application of biotechnology in agribusiness).</p> <p>11. Institutions supporting Agribusiness (institutions supporting agribusiness development, the role of agribusiness development support institutions).</p> <p>12. Agro-industry in the national economy (understanding agro-industry & agroindustry that is sustainable, absorbing labor, increasing the acquisition of export foreign exchange, increasing investment, giving rise to new industries).</p> <p>13. Agribusiness investment planning (technical feasibility study, financial feasibility study, ecological feasibility study).</p>
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. James G. B., Kenneth, C. S., and Donald, D. O. 2008. Principles of Agribusiness Management Forth Edition. Waveland Press, Inc. Long Grove, Illinois. USA. 2. Gumbira, E dan A.H. Intan. 2004. Manajemen Agribisnis. Ghalia Indonesia. Jakarta. 3. Sjarkowi, F., dan M. Sufri. 2004. Manajemen Agribisnis. CV Baldad Grafiti Press. ISBN: 979-96207-1-6. Palembang. 4. Sjarkowi, F. 2010. Manajemen Pembangunan Agribisnis. Baldad Grafiti Press. ISBN Palembang..

Module designation	Macro Economics
Code	ABI 203217
Semester (s) in which the module is taught	3 rd semester/2 nd year
Person responsible for the module	Prof. Dr. Ir. Andy Mulyana, M.Sc. Ir. Muhammad Yazid, M.Sc., Ph.D. Dr. Ir. M. Yamin, MP. Ir. Mirza Antoni, M.Si., Ph.D. Dr. Dessy Adriani, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	Introduction to Agricultural Economics/3(2-1)
Module objectives/intended learning outcomes	<p>2. Science Competencies LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-3: Students able to make the right decisions using quantitative and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems. 3.2. Specific Skills LO-OS-6: Students able to use economic methods to formulate resource use strategies to increase self and community capacity in facing future agribusiness development challenges.</p>

Contents	<ol style="list-style-type: none"> 1. Scope of analyses 2. National Income Accounting 3. Economic activity determination: Classical and Keynesian points of view and current approaches 4. Macroeconomic Equilibrium: Two sectors approach 5. Macroeconomic Equilibrium: Three sectors approach 6. Macroeconomic Equilibrium: Open economy 7. Equilibrium of AD-AS 8. Equilibrium of IS-LM 9. Money, monetary institutions, and money supply 10. Unemployment, Inflation, and Government Policy 11. Exchange rate and balance of payment 12. Economic growth and development
Examination forms	<ol style="list-style-type: none"> 1. Assignments 2. Quizes 3. Examinations 4. Class discussion
Reading List	<ol style="list-style-type: none"> 1. Sukirno, Sadono. 2015. Pengantar Teori Makro Ekonomi. Rajawali Press. Jakarta. 2. Mankiw. 2006. Macroeconomics. 7th edition. Salemba Empat Jakarta.

Module Designation	Agroclimatology
Code	PER 108217
Semester (s) in which the module is taught	3 rd semester/2 nd year
Person responsible for the module	Dr. Ir. Firdaus Sulaiman, M. Si. Dr. Ir. Yakup, M. S. Dr. Ir. Zaidan Panji Negara, M. Sc. Fitra Gustiar, S. P., M. Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning and assignment
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	3 credits (2 credits theory and 1 practice)
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-3: To play a role as a proud citizen and love the homeland and support world peace</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level. LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness. LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p>
Content	<ol style="list-style-type: none"> 1. Scope of agroclimatology 2. The role of climate for agriculture 3. Earth's atmosphere 4. Solar radiation 5. Air temperature 6. Temperature and plant growth 7. Air Pressure and Wind 8. Humidity 9. Hydrological cycle, clouds, and rain.

	<p>10. Climate classification 11. Tropical climate 12. Climate in Indonesia 13. Global warming 14. Climate change 15. The effect of climate on pests and plant diseases 16. Adaptation to climate change</p>
Examination forms	<p>1. Essays questions 2. Pratical works 3. Writing Case Paper 4. Oral presentation</p>
Reading list	<p>1. Hatfield, J.L., Sivakumar, M.V.K., Prueger, J.H. Agroclimatology (Agronomy Monographs) 1st Edition. ACSESS; 1st edition. 2. Balasubramanian, T.N. 2021. Agro-Climatology Advances and Challenges. New India Pub Agency Nipa. 3. Veeranjanyulu., Mahapatra, R. 2011. Agro Climatology: Principles and Predictions. 4. Stigter, K. 2010. Applied Agrometeorology. Springer Berlin Heidelberg. 5. Sahu, D.D., Patel, H.R., Chopada, M.C. 2013. Fundamentals of Agricultural Climatology. Agrobios. 6. Mavi, H.S., Tupper, G.J. 2004. Agrometeorology Principles and Applications of Climate Studies in Agriculture. CRC Press. 7. Pritchard, S.G., Amthor, J.S. 1984. Crops and Environmental Change. Food Products Press.</p>

Module designation	Community Empowerment
Code	ABI 702217
Semester (s) in which the module is taught	2 nd semester/1 st year
Person responsible for the module	
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 28.33 hours + Structured assignment and self-study 48.00 = 103.33 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-1: To fear of The Almighty God LO-AV-2: To have good morals, ethics and personality in completing their duties LO-AV-5: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings</p> <p>2. Science Competencies LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems. LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-3: To be able to make the right decisions using</p>

	<p>quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS-7: To be able to communicate business policies, and agribusiness management for the benefit of farmer empowerment.</p> <p>LO-OS-8: To be able to motivate, and empower the community in the field of agribusiness development to improve community welfare.</p>
Content	<ol style="list-style-type: none"> 1. Definition and importance of empowerment 2. Conceptual foundation of community empowerment 3. Philosophy of community empowerment principles 4. Conditions for achieving community empowerment goals 5. Scope and stages of community empowerment 6. Strengthening community empowerment capacity 7. Approaches and methods of community empowerment 8. Strategy and success of community empowerment 9. The role of government in community empowerment 10. Community empowerment models 11. Community empowerment assistance program 12. Community empowerment program planning 13. Monitoring and evaluation of community empowerment 14. Empowerment and sustainable development perspective
Examination forms	<ol style="list-style-type: none"> 15. Essays questions 16. Writing Project Paper 17. Oral presentation

Reading List

1. Hikmat H. 2001. Community Empowerment Strategy. Bandung : Humanities Utama Press.
2. Jamasy O. et all. (editor). 2001. Agricultural Development Through Village Community Empowerment. Bina Swadaya dan DFID.
3. Mardikanto T. Community Empowerment Models. Eleven March University Press.
4. Usman S. 2006. Community Development and Empowerment. Yogyakarta: Student Library.

Module designation	Supply Chain and Value Chain Management
Code	ABI 303217
Semester (s) in which the module is taught	3 rd semester/2 nd year
Person responsible for the module	Dr. Ir. Elisa Wildayana, M.Si. Dr. Ir. Lifianthi, M.Si. Dr. Ir. Amruzi Minha, M.Si. Dr. Agustina Bidarti, SP., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Case Base Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-8: Students able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC-5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes. 3.2. Specific Skills LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>

Content	<ol style="list-style-type: none"> 1. Introduction of Value and Value Chain Management 2. Purchasing Management 3. Creating and manage Relationships with suppliers 4. Discussion of material cases 1, 2 and 3 5. Strategic resources for Supply Chain Management success 6. Demand Forecasting 7. Aggregate Planning and Company Management 8. Company Resource Planning System 9. Process Management: JIT and TQM Issues in MRP 10. Domestic and International Transportation 11. Customer Relationship Management 12. Value Chain Concept 13. Supply Chain Management and Competitive Advantage 14. The Role of Information Technology in MRP
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing paper 3. Photographs collection on agricultural objects
Reading List	<ol style="list-style-type: none"> 1. Supply Chain Council. 2012. SCOR (Supply Chain Operations Reference) Model Revision 11.0. Supply Chain Council, Inc.USA. 2. Sunil Chopra & Peter Meindl. 2007. Supply Chain Management Strategy, Planning, and Operation. Pearson Prentice Hall. New Jersey. 3. I Nyoman Pujawan & Mahendrawati E.R.2010. Supply Chain Management. Guna Widya. Surabaya. 4. Lina Anatan & Lena Ellitan.2008. Supply Chain Management: Teori dan Aplikasi. Penerbit Alfabeta. Bandung. 5. Indrajit, R.E, & R. Djokopranoto. 2002. Konsep Manajemen Supply Chain Grasindo. Jakarta

Module designation	Managerial Economic
Code	ABI 204217
Semester (s) in which the module is taught	3 th semester/2 nd year
Person responsible for the module	Prof. Dr.Ir. Andy Mulyana, M.Sc. Ir. Yulius, M.M. Dr. Ir. Elisa Wildayana, M.Si
Language	Indonesian
Relation to curriculum	Elective Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values</p> <p>LO-AV-2: To have good morals, ethics and personality in completing their duties</p> <p>LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>LO-AV-6: To highly uphold law enforcement and have the spirit to put the interests of the nation and the wider community first.</p> <p>LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>2. Science Competencies</p> <p>LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>LO-SC-5: To be able to manage research, and development in the field of agribusiness that is</p>

beneficial to society and science and is able to gain national and international recognition.

3. Occupational Skills

3.1. General Skills

LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.

LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.

LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.

3.2. Specific Skills

LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.

LO-OS-7: To be able to communicate business policies, and agribusiness management for the benefit of farmer empowerment.

LO-OS-8: To be able to motivate and empower the community in the field of agribusiness development to improve community welfare.

LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.

LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.

Content	<ol style="list-style-type: none"> 1. Introduction to Economic Decision Making 2. Optimal Decisions Using Marginal Analysis 3. Demand Analysis and Optimal Pricing 4. Estimating and Forecasting Demand 5. Production and Cost Analysis 6. Market Structure and Competing within Markets 7. Perfect Competition 8. Monopoly and Oligopoly 9. Monopolistic Competition 10. Regulation, Public Goods, and Benefit-Cost Analysis 11. Game Theory and Competitive Strategy 12. Decision-Making Applications 13. Decision Making under Risk and Uncertainty 14. The Value of Information and Asymmetric Information 15. Bargaining and Negotiation 16. Auctions and Competitive Bidding
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading Li st	<p>Main:</p> <ol style="list-style-type: none"> 1. Dominick Salvatore : Managerial Economics; In a Global Economy. Harcourt College Publishers, 2004 2. Douglas, E. J., Managerial Economics, Analysis and Strategy, 4th ed., Prentice Hall Inc., Englewood Cliffs, New Jersey, 2000 3. Lincoln Arsyad, (2001), Ekonomi Manajerial, BPFE Gajah Mada,. 4. Maurice, S. C. and Christopher R. Thomas., Managerial Economics, 5th ed., Richard D. Irwan, Inc., Chicago, 2003. 5. Managerial Economics. 2012. William F. Samuelson and Stephen G. Marks. –7th ed. John Wiley & Sons, Inc. 6. Managerial Economics: Principles and Worldwide Applications. 2017. Dominick Salvatore adapted by Ravikesh Srivastava. –7th ed. Oxford Master Education. 7. Managerial Economics. 2010. D.M Mithani. Himalaya Publishing House, Mumbai. 8. Managerial Economics: A Mathematical Approach.

2013. M. J. Alhabeeb and L. Joe Moffitt. John Wiley & Sons, Inc.

Supporter:

1. Harrington. H. J. and J. S. Harrington, Total Improvement management, The Next generation in Performance Improvement, Mc Graw-Hill Book Company, Inc., New York, 2005.
2. Pappas, J. L., and Richard Hirschey., Fundamntal of Managerial Economics, 6th ed., The Dryden Press, Chicago, 2002.
3. Thompson, A. A., Jr. and John P. Formby., Economics of The Firm, Theory and Practice, 6th ed., Prentice-Hall Inc., Englewood Cliffs, New Jersey, 2004.

Module designation	Agricultural Extension
Code	ABI 502217
Semester (s) in which the module is taught	4 rd semester/2 nd year
Person responsible for the module	Dr. Yunita, S.P., M.Si Dr. Riswani, S.P., M.Si Prof. Dr. Ir. Sriati, M.S. Ir. Fauzia Asyik, M.A., PhD Henny Malini, S.P.,M.Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Cased Based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-6: To highly uphold law enforcement and have the spirit to put the interests of the nation and the wider community first.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness. 3.2. Specific Skills LO-OS-7: To be able to communicate business policies, and agribusiness management for the benefit of farmer empowerment. LO-OS-8: To be able to motivate and empower the</p>

	community in the field of agribusiness development to improve community welfare.
Content	<ol style="list-style-type: none"> 1. Definition, and Scope of Agricultural Extension 2. Philosophy and Goals of Agricultural Extension 3. Agricultural Extension Method 4. Classification of Agricultural Extension Methods 5. Presentation of Materials and Group Discussion 6. Agricultural Extension Media 7. Agricultural Extension Materials 8. Agricultural Extension Institutions 9. Diffusion of Agricultural Innovation 10. Presentation of Materials and Group Discussion 11. Preparation of Agricultural Extension Planning 12. Revitalization of Agricultural Extension 13. Arrangement of Agricultural Extension System 14. Agricultural Extension in the Digital Age
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Van den Ban, A.W. and H. S Hawkins. 1999. Agricultural Extension. Kanisius, Yogyakarta. 2. Roger, E.M and F.F. Shoemaker.1971. Diffusion of Innovation. New York: Free Press. 3. Cees Leeuwis, 2010. Communication for Rural Innovation. Rethinking Agricultural Extension. Kasinius, Yogyakarta. 4. Nataliningsih. 2018. Participatory Counseling for Women Farmers Groups. C.V. Alfabeta. Bandung. 5. Mardikanto, Totok. 2009. Agricultural Extension System. LPP and UPT Publishing and Printing. UNS.

Module designation	Information Technology and Multimedia
Code	ABI 703217
Semester (s) in which the module is taught	4 th semester/2 nd year
Person responsible for the module	Dr. Riswani, S.P., M.Si. Dr. Yunita, S.P., M.Si.. M. Arby, S.P., M.Si. Dwi Wulan Sari, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative Learning, Project Based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-5-: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future</p>

	agribusiness development.
Content	<ol style="list-style-type: none"> 1. Introduction: Understanding Multimedia Communication Technology and Multimedia Program Elements 2. Information Technology and Multimedia in the Perspective of Communication Science 3. Visual Communication 4. Caricature as a Communication Media 5. The use of Multimedia Communication Technology and Multimedia in Agribusiness Activities 6. Getting to know Radio and the Steps of Radio Broadcasting 7. Radio Broadcast Practice 8. How and Steps to Make a Movie 9. Practice Making Movies 10. Getting to know blogs and the steps to create a blog 11. Practice Making a Blog 12. Photography basics 13. Photography and Practice 14. Closing: Analyzing the Results of Multimedia Practice
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Doing practical works 3. Video and Movie Project 4. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Fox, Richard. 2021. Information Technology An Introduction for Today's Digital World. Chapman and Hall/CRC 2. Bangia, Ramesh. 2017. Introduction to Multimedia. Firewall Media 3. Turban. 2005. Introduction to Information and Technologi 3rd ed/05. Wiley. 4. Simarmata, Janner. 2006. Teknologi Komputer dan Informasi. Andi Yogyakarta. 5. Mitra, Sugata. 2001. Introduction to Multimedia Systems (Communications, Networking and Multimedia). Academic Press

Module designation	Agribusiness Social Organization and Leaderships
Semester (s) in which the module is taught	4 th semester/2 nd year
Person responsible for the module	Ir. Yulian Junaidi, M.Si Ir. Yulius, M.M. Elly Rosana, S.P. M,Si, Thirtawati, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills LO-OS-8: To be able to motivate and empower the community in the field of agribusiness development to improve community welfare. LO-OS-11: To be able to manage and develop</p>

	agribusiness by implementing a management system that guarantees quality output.
Content	<ol style="list-style-type: none"> 1. Definition of Social Organization and Agribusiness Leadership 2. The basic and purpose of the organization formation 3. Elements in the organization 4. Types, forms, and types of organizations 5. Structure and mechanism of decision making in the organization 6. Communication in organization 7. Organizational Behavior 8. Organizational Change and Development 9. Leadership theories 10. Philosophy of leaders 11. Types of leadership 12. Effectiveness of agribusiness leadership 13. Power and conflict 14. Leaders v.s. Manager
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Budhi Wibawa, 2016. Organisasi Sosial: Suatu Pengantar Ringkas. Unpad Press. Bandung. 2. Erni Tisnawati. 2018. Kepemimpinan dan Perilaku Organisasi - Membangun Organisasi Unggul di Era Perubahan. Penerbit Refika Aditama. Bandung. 3. Kartini Kartono. 2016. Pemimpin dan Kepemimpinan. Rajawali Pers. Jakarta.

Module designation	Economy of Agribusiness Institutions
Code	ABI 205217
Semester (s) in which the module is taught	4 th semester/2 nd year
Person responsible for the module	Dr. Ir. M. Yamin, M.P. Dr. Ir. Amruzi Minha, M.S. Dr. Riswani, S.P., M.Si. Dr. Ir. Yunita, M.Si. Dr. Dessy Adriani, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>2. Science Competencies LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills LO-OS-8: To be able to motivate and empower the community in the field of agribusiness development to improve community welfare.</p>

Content	<ol style="list-style-type: none"> 1. Introduction of Agribusiness Institutions Economy 2. The Meaning of Institutional Economics 3. The Institutional Economic Paradigm 4. The Economic Theory of Transaction Costs 5. Contract Theory and Collective Action 6. Rational choice theory and Rent Seeking 7. Theory of Property Rights 8. Externality Theory 9. Social Capital Theory 10. Theory of Institutional Change 11. Institutional Economics and Economic Growth 12. Institutional Economics and Economic Systems 13. Economic Crisis and Economic Institutions 14. Rural Development and Financial Sector Institutions
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Paper Assigement
Reading List	<ol style="list-style-type: none"> 1. Yustina, A. Erani. 2010. Ekonomi Kelembagaan : Paradigma, Teori, dan Kebijakan. Gramedia. Jakarta. 2. Kasper, Wolfgang dan Manfred E. Streit. 1998. <i>Institutional Economics: Social Order and Public Policy</i>, Cheltenham. Edward Elgar. UK. 3. Willamson, Oliver E. 1985. <i>The Economic of Institutions of Capitalism</i>. The Free Press. New York.

Module designation	Strategic Management and Agribusiness Policy
Code	ABI 305217
Semester (s) in which the module is taught	4 th semester/2 nd year
Person responsible for the module	1. Prof.Ir.H.Fachrurrozie Sjarkowi, M.Sc., Ph.D 2. Dr.Ir.M.Yamin, M.P 3. Dr.Ir.Najib Asmani, M.Si 4. Dr. Ir.Idham Alamsyah, M.Si 5. Serly Novita Sari, S.P., M.Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment. LO-AV-5-: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of</p>

	<p>sustainable agribusiness operation systems.</p> <p>3. Occupational Skills</p> <p>3.1. General Skills</p> <p>LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p> <p>LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.</p>
<p>Content</p>	<ol style="list-style-type: none"> 1. Agribusiness management (2 – Meetings) <ol style="list-style-type: none"> a. <u>The business of agribusiness</u> b. <u>Economics for agribusiness managers</u> c. <u>The organization of an agribusiness</u> d. <u>International agribusiness</u> 2. Human resource management for agribusiness (2 – Meetings) <ol style="list-style-type: none"> a. <u>Managing organizational structure</u> b. <u>Managing human resources in agribusiness</u> 3. The Historical and Theoretical Setting (2 – Meetings) <ol style="list-style-type: none"> a. A Perspective on the Evolution and Status of Micromodeling in Agricultural Economics b. <u>Farm Decisions, Adaptive Economics, and Complex Behavior in Agriculture</u> 4. Macro-Micro Relationships (2 – Meetings) <ol style="list-style-type: none"> a. <u>Complementarities Between Micro- and Macro-Systems Simulation and Analysis</u> b. Understanding and Human Capital as Outputs of the Modeling Proces

	<p>5. Implications of National Agricultural Policies (1- Meetings)</p> <p>6. Institutions and Implications for Micromodels (2 – Meetings)</p> <p>a. Financing Growth and Adjustment of Farm Firms Under Risk and Inflation: Implications for Micromodeling</p> <p>b. Tax and Other Legal Considerations in the Organization of the Farm Firm</p> <p>7. Risk Management in Models of the Farm (2 – Meetings)</p> <p>a. Cash Flow, Price Risk, and Production Uncertainty Considerations</p> <p>b. Modeling Farm Decisionmaking to Account for Risk</p> <p>8. Simulation Models (2 – Meetings)</p> <p>a. Farm-Level Continuous Optimization Models for Integrated Policy Analysis</p> <p>A Multiple-Farm Opportunity Set Simulation Model</p>
Examination forms	<p>1. Essays questions</p> <p>2. Writing Project Paper</p> <p>3. Oral presentation</p> <p>4. Discussion</p>
Reading List	<p>Main :</p> <p>1. Sjarkowi, F. (2020). Manajemen Niagaperta Kerakyatan. Mempertautkan Hubungan Organik Kinerja Orang Tani Pedesaan dan Kinerja Pengusaha Agribisnis Maju di Bumi Nusantara, 1.</p> <p>2. Baum, K. H. (1983). Modeling farm decisions for policy analysis. Westview Press. eBook Published (2019).</p> <p>Support:</p> <p>1. Schultz, T. (1977). Distortions of agricultural incentives. Indiana University, Bloomington, IN, US.</p> <p>2. Barnard, F. L., Foltz, J., Yeager, E. A., & Brewer, B. (2020). <i>Agribusiness management</i>. Routledge.</p>
Module designation	Farm Management

Code	ABI 304217
Semester (s) in which the module is taught	4 rd semester/2 nd year
Person responsible for the module	Dr. Yunita, S.P., M.Si Henny Malini, S.P., M.Si Ir. Yulius, M.M. Dr. Erni Purbiyanti, S.P.,M.Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Cased Based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-8: To be able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness. LO-OS-2 : To be able to manage, develop, and market sustainable agriculture-based agribusiness products by applying agricultural socio-economic principles through quantitative and qualitative approaches.</p>

	<p>3.2. Specific Skills</p> <p>LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.</p>
Content	<ol style="list-style-type: none"> 1. Definition Farm Management 2. Farming and Agribusiness 3. Farm Classification 4. Farming Pattern 5. Types and Patterns of Farming 6. Farming Structure 7. Farm Planning 8. Farm Production Factors 9. Land Management in Farming 10. The Role of Capital in Farming 11. The Role of Human Resources in Farming 12. Farming Costs 13. Farming Income 14. Farming Research
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Tohir, A.K. 1993. A strand of Indonesian Farming Knowledge. Rineka Cipta. Jakarta. 2. Soekartawi, et al. 1990. Farming Science and Research for Small Farmer Development, UI Press. Jakarta. 3. Soekarno. 2002. Farming Analysis. University of Indonesia (UI-Press). Jakarta. 4. Mubyarto. 2000. Introduction to Agricultural Economics. LP3ES. 5. Ken Suratiyah. 2002. Agricultural Science. Penebar Swadaya. 6. Suwardie. 2008. Farm Management. Wimaya Press UPN "Veteran" Yogyakarta. 7. Kay. D. Ronald, Edwards, M. William, Duff, A., Patricia. Farm Management (Text Book). Hill Education.

Module Designation	Fundamental of Plant Protection
Code	PER 110217
Semester (s) in which the module is taught	4 th semester/2 nd year
Person responsible for the module	1. Dr. Ir. Suparman SHK 2. Prof. Dr. Ir. Siti Herlinda, M. Si. 3. Ir. Bambang Gunawan, M. Si. 4. Arsih, S.P., M. Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	1. Lectures (explanation, discussion) 2. Structured assignment (i.e.: article reading and review) 3. The class size 30-75 students per class 4. Contact hours for lecture are 23.33 hours per semester 5. Total hours practical is 34 hours per semester
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours
Credit points	3 credits (equivalent with 4.36 ECTS)
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Attitudes and Values LO-AV-3: To play a role as a proud citizen and love the homeland and support world peace 2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.
Content	1. Scope of crop protection; insect as crop pest and the impact of their attack to crops.

	<ol style="list-style-type: none"> 2. Mite and mice as crop pest and the impact of their attack to crops. 3. Wild pig, bird and snail as crop pest and the impact of their attack to crops. 4. Cultural and biological techniques 5. Resistant variety, physical control and mechanical control techniques. 6. Plant quarantine and chemical control technique. 7. The use of sterile male and Integrated Pest Management. 8. Introducing plant disease: how pathogen cause disease on plants. 9. Plant disease symptoms. 10. Fungi as plant pathogen. 11. Bacteria as plant pathogen. 12. Virus and nematode as plant pathogen. 13. Exclusion, eradication, physical and cultural techniques. 14. Chemical control of plant diseases.
Examination forms	<p>Quiz, Mid-terms and Final Examination</p> <ol style="list-style-type: none"> 1. Essays questions 2. Practical works 3. Writing Case Paper 4. Oral presentation
Media employed	LCD, whiteboard, websites
Reading list	<ol style="list-style-type: none"> 1. Chandrasekaran B, Annadurai K and Somasundaram. 2010. A Textbook of Agronomy. New Age International Publishers New Delhi. 2. Pareek A, Sopory SK, Bohnert HJ, and Govindjee. 2010. Abiotic Stress in Plants. Springer, Dordrecht, Nederland. 3. Kethan SK. 2001. Microbial Pest Control. Markel Dekker, Inc. New York. 4. Levine MJ. 2007. Pesticides; A toxic time bomb in our midst. Praeger, London. 5. Agrios GN. 2005. Plant Pathology 5th Ed. Elsevier Academic Press, New York. 6. Ebbels DL. 2003. Principles of Plant Health and Quarantine. CABI Publishing, Cambridge. 7. Research publications related to crop protection.

Module designation	Agribusiness Communication
Code	ABI 503217
Semester (s) in which the module is taught	4 th semester/2 nd year
The person responsible for the module	Dr. Riswani, S.P., M.Si. Dr. Yunita, S.P., M.Si. Elly Rosana, S.P., M.Si. M. Arbi, S.P., M.Si. Selly Oktarina, S.P., M.Si. Thirtawati, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative Learning, Project-Based Learning
Workload (incl. Contact hours, and self-study hours)	Face-to-face 40.00 + Exam 3.67 hours + Structured assignment and self-study 72.00 = 110.67 hours.
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-2: To have good morals, ethics and personality in completing their duties LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>2. Science Competencies LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness. 3.2. Specific Skills LO-OS-7: To be able to communicate business policies, and agribusiness management for the benefit of farmer</p>

	empowerment.
Content	<ol style="list-style-type: none"> 1. Introduction: Understanding, Basic Principles and Scope of Agribusiness Communication 2. Effective Communication 3. Agribusiness Communication Methods and Media 4. Principles and Barriers to Communication 5. Communication Applications in Agribusiness Product Marketing 6. Product Packaging 7. Market Display and Pricing Strategy 8. Digital Content in Agribusiness 9. Digital Content creation practices 10. Digital Marketing 11. Digital Marketing Practices on Agricultural Products 12. Negotiating in Agribusiness Communication 13. Business Message Planning 14. Public Relation in Agribusiness 15. Final Project
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Doing practical works 3. Video/Movie/Digital Content Project 4. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Psikologi Komunikasi; Jalaluddin Rakhmat; 2007 2. Ilmu Komunikasi: Suatu Pengantar; Dedy Mulyana; 2005 3. De Vito, J.A. 1997. Komunikasi Antar Manusia. (Alih Bahasa Agus Maulana) Jakarta: Professional Books 3. 4. Tubbs, S.L. dan S. Moss. 1997. Human Communication. Jilid 1 dan 2. (Diterjemahkan oleh Jalaludin Rakhmat) Bandung: Remaja Rosda Karya.

Module designation	Sharia Economics
Code	ABI 206217
Semester (s) in which the module is taught	4 th semester/2 nd year
Person responsible for the module	Prof. Dr. Ir. Facurrozie Sjarkowi, M.Sc. Dr. Ir. Laila Husin, M.Sc. Dr. Ir. Maryadi, M.Si. Dr. Ir. Elisa Wildayana, M.Si.
Language	Indonesian
Relation to curriculum	Electives Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-1: To fear of The Almighty God</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles</p>

	<p>agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p> <p>LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.</p>
Content	<ol style="list-style-type: none"> 1. Introduction: Basic Concepts of Islamic Economics 2. Characteristics & Design and Build an Islamic Economic System 3. Islamic Consumption Theory 4. Islamic Production Theory 5. Islamic Market Mechanism 6. Distribution in the Islamic Economy 7. Distribution Instruments in the Islamic Economy 8. Islamic Fiscal Policy 9. Monetary In Islam 10. Sharia Banks : Types of Fund Receipt Agreements, Financing and Services 11. Other Islamic Financial Institutions 12. Islamic Economy & Industrial Revolution 4.0
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation

Reading List

1. Muhammad Syafi'I Antonio, Bank Syariah Dari Teori ke Praktik. Cet I, Jakarta ; Gema Insani Press, 2001.
2. Muhammad Nur Rianto Al-Arif (2015). Pengantar Ekonomi Syariah. Bandung: Pustaka Setia
3. Mustafa Edwin Nasution dkk (2006). Pengenalan eksklusif ekonomi Islam Jakarta :: Kencana
4. Pusat Pengkajian dan Pengembangan Ekonomi Islam. Ekonomi Islam. Yogyakarta; Raja Grafindo Persada, 2008.
5. Heri Sudarsono, Bank & Lembaga Keuangan Syariah Deskripsi & Ilustrasi. Yogyakarta ; Ekonisia, 2008
6. Ruslan Abdul Ghofur Noor, "Konsep Distribusi Dalam Ekonomi Islam dan Format Keadilan Ekonomi di Indonesia", Pustaka Pelajar, 2013

Module designation	International Economics
Code	ABI 207317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	Prof. Dr. Ir. Andy Mulyana, M.Sc. Dr. Ir. Laila Husin, M.Sc. Ir. M. Yazid, M.Sc., Ph.D. Dr. Desi Aryani, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Case based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 40.00 + Exam 3.67 hours + Structured assignment and self-study 72.00 = 110.67 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values</p> <p>LO-AV-1: To fear of The Almighty God</p> <p>LO-AV-2: To have good morals, ethics and personality in completing their duties</p> <p>LO-AV-3: To play a role as a proud citizen and love the homeland and support world peace</p> <p>LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>2. Science Competencies</p> <p>LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills</p> <p>3.1. General Skills</p> <p>LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>3.2. Specific Skills</p> <p>LO-OS-8: To be able to motivate and empower the community in the field of agribusiness development to</p>

	improve community welfare.
Content	<ol style="list-style-type: none"> 1. Introduction: Understanding, Scope, and Role 2. Pre-Classical Theory (Merchantilism) 3. Classical Theory: Absolute Advantage (Adam Smith) 4. Classical Theory: Comparative Advantage (David Ricardo) 5. Modern Theory: Heckscher-Ohlin 6. Other Modern Theory 7. Current Theory 8. International Economic Policy 9. International Economic Policy Instruments 10. International Economic Cooperation 11. International Monetary System 12. Foreign Exchange and Exchange Rate 13. International Financing and Payments 14. Balance of Payments
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Case Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Ekonomi Internasional Buku Kesatu Teori dan Kebijakan Perdagangan Internasional. Dr. Hamdy Hady. Ghalia Indonesia. 2. Ekonomi Internasional Buku Kedua Teori dan Kebijakan Keuangan Internasional. Dr. Hamdy Hady. Ghalia Indonesia. 3. An Introduction to International Economics. Dominick Salvatore. John Wiley & Sons, Inc.

Module designation	Development Sociology
Code	ABI 505317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	Ir. Yulian Junaidi, M. Si Muhammad Arbi, SP., M. Sc Ely Rosana, SP., M. Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-3: To play a role as a proud citizen and love the homeland and support world peace LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p>

	<p>LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p>
Content	<ol style="list-style-type: none"> 1. Inter-Sociology of Development 2. The theoretical concepts of ontomology, epistemology and illustration 3. History and development theory : modernization theory, dependence theory, and world system theory 4. History and Development theory (2); modernization theory, dependency theory, and world systems theory 5. Development approach; macro and micro approach, Hadad approach, and growth approach 6. Proximity to growth and equity; indicators, inhibiting factors of growth and equity approaches 7. Paradigma dependence; a causal factor of developing countries' dependence, a critique of the dependency paradigm. 8. Teori exchange; theory of human behavior rational, alternative, process and exchange networks 9. Definition of structure, location requirements, organizational roles, and network distribution 10. Paradigms, motives, structures, integrations, dysfunctions, and changes 11. Definitions, elements and processes of power in the interaction of symbols and conflicts 12. Social phenomena: understanding, social order, ethnomethodology, non-minimalism, and illustrative 13. Human fact in the change of society 14. Gender and Development
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation

Reading List

1. Ritzer, G. 1983. *Sociological Theory*. Alfred A. Knopf. New York.
2. Wilson, J. 1983. *Social Theory*. Prentice-Hall, Inc. Englewood Cliffs, New Jersey.
3. Cleves, J. 2007. *Gender dan Pembangunan*. Pustaka Pelajar. Yogyakarta.

Module designation	Statistic for Social and Economic Studies
Code	ABI 602317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	Prof. Dr. Ir. Sriati, M.S. Ir. Mirza Antoni, M.Si., Ph.D. Dr. Dessy Adriani, S.P., M.Si. Indri Januarti, S.P., M.Sc.
Language	Indonesian
Relation to curriculum	Mata Kuliah Wajib (Compulsory Course)
Teaching methods	Contextual Learning, Cooperative learning, project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitude and Value LO-AV-8: To be able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness. LO-SC-5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p>

	<p>3.2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<ol style="list-style-type: none"> 1. Statistical Hypothesis Testing. 2. Parametric Statistical Test for the Case of One Population. 3. Parametric Statistical Test for Cases of Two Populations 4. Parametric and Non-Parametric Statistics. 5. Non-Parametric Statistical Test for Single Sample Data Cases. 6. Non-Parametric Statistical Test Cases of Two Related Sample Data. 7. Non-Parametric Statistical Test Case Data Two Free Samples. 8. Non-Parametric Statistical Test Cases of Data of More than Two Related Samples. 9. Non-Parametric Statistical Test Cases of Data More than Two Free Samples. 10. Multiple Chi-Square Tests To Check for Independence and Homogeneity. 11. Non Parametric Correlation Test To Measure Bidirectional Relationships.
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Jhonson, R.R. 1980. Elementary Statistics (Third Editoin). Duxbury Press, California, USA. 2. Walpole, R.E. Pengantar Statistika (Edisi ke-3). PT. Gtamedia, Jakarta. 3. Daniel, W.W. 1989. Statistik Nonparametrik Terapan, PT Gramedia, Jakarta. 4. Siegel, S. 1994. Statistik Nonparametrik untuk Ilmu-ilmu Sosial. PT. Gramedia, Jakarta.

Module name	Agribusiness Production Management
Code	ABI 306317
Semester (s) in which the module is taught	5 th semester/2 nd year
Person responsible for the module	Dr. Riswani, S.P., M.Si. Dr. Yunita, S.P. M.Si. Dr.Ir. Idham Alamsyah, M.Si. Dr. Desi Aryani, S.P., M.Si. Henny Malini, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Type of teaching	Contextual Learning, Cooperative Learning, Case Based Learning
Workload	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>2. Science Competencies LO-SC-6: To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness. 3.2. Specific Skills LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>

Content	<ol style="list-style-type: none"> 1. Definition and scope of production and operations management in agribusiness 2. Product Planning and Development 3. Operation process strategy and technology selection 4. Capacity concept and capacity planning 5. Forecasting methods in operations management; manufacturing process technology; capacity planning and modeling; managing capacity change; location facility planning; transportation theory. 6. Application of forecasting methods and operations management 7. Factors in site selection 8. Location determination method, service location strategy 9. Material handling concept and layout concept 10. The practice of making lay outs that support work efficiency 11. Labor management concept 12. Quality standards, types of quality and ISO 13. Material requirements planning and Just In Time in stock 14. Clean production concept
Examination forms	<ol style="list-style-type: none"> 1. Write essays 2. Doing practical works
Reading List	<ol style="list-style-type: none"> 1. Barnard,F.L., John F., Elizabeth A.Y., B. Brewer. 2016. Agribusiness Management. Routledge, London. 2. Bochtis,D. Claus Aage G.S, Dimitris K. 2018. Operations Management in Agriculture. Academic Press,. 3. Fahmi, Irham. 2012. Manajemen Produksi dan Operasi. PT. Alfabeta. Bandung. 4. Heizer dan Barry R. 2010. Manajemen Operasi Buku 2 . Salemba Empat. Jakarta. 5. Subagyo, P. 2000. Manajemen Operasi.BPFE. Yogyakarta. 6. Tampubolon, M.P. 2004. Manajemen Operasional. Ghalia Indonesia. Jakarta

Module designation	Agribusiness Feasibility Analysis
Code	ABI 404317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	Dr. Ir. Maryadi, M.Si. Ir. Mirza Antoni, M.Si., Ph.D. Dr. Riswani, S.P., M.si. Dr. Dessy Adriani, S.P., M.Si. Dr. Agustina Bidarti, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	4 (2-2) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment. LO-AV-8: To be able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems. LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p>

	<p>3. Occupational Skills</p> <p>3.1. General Skills</p> <p>LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills</p> <p>LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p> <p>LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.</p>
<p>Content</p>	<ol style="list-style-type: none"> 1. Agribusiness Feasibility Study 2. Agribusiness Feasibility Study Cycle 3. Time Value of money 4. Aspects of Study in the feasibility of Agribusiness 5. Assessment of Investment Criteria 6. Use of Investment Criteria in Selection of Investment Alternatives 7. Format of Agribusiness Feasibility Analysis Report Preparation. 8. Business Feasibility Proposal Preparation Project I 9. Business Feasibility Proposal Preparation Project II 10. Business Feasibility Proposal Presentation 11. Business Feasibility Proposal Presentation 12. Business Feasibility Proposal Presentation 13. Business Feasibility Proposal Presentation 14. Business Feasibility Proposal Presentation 15. Business Feasibility Proposal Presentation

Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Paper Assigement and Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Kadariah, L. Karlina dan C Gray. 1999. Pengantar Evaluasi Proyek (Edisi Revisi). LPFE Universitas Indoensia. 2. Gray, C., Simanjuntak, P. Sabur, LK., Maspaitell dan RCG. Varley. 2005. Pengantar Evaluasi Proyek (edisi kedua). PT Gramedia Pustaka Utama 3. Husnan, S dan Suwarsono. 1994. Studi Kelayakan Proyek. Edisi ketiga. UPP AMP YKPN 4. Gittenger, J/P/ 1986. Analisis Ekonomi Proyek-Proyek Pertanian (Edisi kedua). UI-Press. Jakarta.

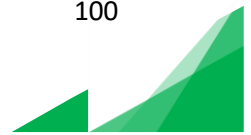
Module designation	Natural Resource Economics
Code	ABI 208317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	<ol style="list-style-type: none"> 1. Prof. Ir. H. Fachrurrozie Sjarkowi, M.Sc., Ph.D. 2. Dr.Ir.Maryadi, M.Si 3. Dr.Ir.Elisa Wildayana, M.Si 4. Dr.Erni Purbiyanti, S.P., M.Si. 5. Eka Mulyana, S.P., M.Si
Language	Indonesian
Relation to curriculum	(Compulsory Course)
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Attitudes and Values LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment. 2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness. 3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness. LO-OS-3: To be able to make the right decisions using

	<p>quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.</p>
Content	<ol style="list-style-type: none"> 1. Definition of science and context with the General Economy. 2. Related to various types of SDA with environmental concepts. 3. SDA categories and physical and social dimensions in its management. 4. Requirements for managing SDA by private business actors via HPK, Because and forms of violations by business actors and citizens. 5. SDA Valuation cues and methods as SDA pre-allocation information. 6. SDA Allocation cues and methods as SDA pre-management information. 7. Cues and methods of SDA Management professionally & obediently principle. 8. The role of the government & local government in the management of ecosystems & natural resources in it. 9. The dimensions of national development planning are environmentally sound. 10. Environmental laws and economic consequences for its violations. 11. The concept and logic of Coase's theorem; the nature of Pareto Optimal; and Optimization of Development Achievements.
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation

Reading List

1. Randall, A. (1987). Resources Economics; An Economic Approach to Natural Resource and Environmental Policy. John Wiley & Sons Inc. 2nded.
2. Sjarkowi, F. (2016). Ekonomi Sumber Daya Alami dan Lingkungan. Edisi Kedua. Palembang, Balad Grafiti Press.
3. Pearce, D & Moran, D. (1994). The Economic Value of Biodiversity. Earthscan Publications Ltd, London.
4. Randall, A. (1987). Resources Economics; An Economic Approach to Natural Resource and Environmental Policy. John Wiley & Sons Inc. 2nded.

Module designation	Agribusiness Production Economics
Code	ABI 209317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	Dr. Ir.Laila Husin, M.Si. Dr. Ir. Elisa Wildayana, M.Sc. Dr. Ir. Yamin, M.P Dr. Ir. Lifianthi, M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual learning, Cooperative learning, Project based learning.
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness. LO-SC-5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles</p>



	<p>agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>LO-OS-2 : To be able to manage, develop, and market sustainable agriculture-based agribusiness products by applying agricultural socio-economic principles through quantitative and qualitative approaches.</p> <p>LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p> <p>LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.</p>
<p>Content</p>	<ol style="list-style-type: none"> 1. Introduction (Definition of Economic Theory, Differences in Consumption Economics and Production Economics and Definition of Agricultural Production Economics). 2. Production With One Variable Input. 3. Maximize Profits from the Input Side. 4. Maximize Profits from The Output Side. 5. Production and Relationships Between Variable Inputs. 6. Optimum Usage Combination of Two Variable Inputs Without Constraints. 7. Optimum Usage Combination of Two Variable Inputs with Constraints. 8. Technical Aspects of Production with Two Variable Inputs. 9. Cobb-Douglas Functions and Their Modifications. 10. Usage Efficiency of Production Factors. 11. Production and Inter-Output Relationships. 12. Optimum Combination of two Outputs with

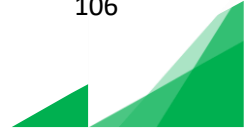
	Constraints. 13. Critical Review (Independent task of compiling a Critical Review of a thesis that uses analytical tools of production economic theory). 14. Group Presentations.
Examination forms	1. Essays Questions 2. Writing Project Paper 3. Oral presentation
Reading List	1. Agricultural Production Economics, 1984. David L. and Debertin. UK. Ky. USA. 2. Diktat Kuliah Ekonomi Produksi Pertanian (Analisis Secara Teoritis dan Kuantitatif), 2008. Laila Husin dan Lifianthi. 3. Production Economics. Theory with Applications. 2 ND ED, 1984. Doll, J.P and Orazem, F. John Wiley and Sons, Inc. 4. The Economics of Production, 1985. Beattie, B.R and Taylor, C.R. John Wiley and Sons, Inc.

Module designation	Mass Communication
Code	ABI 503617
Semester (s) in which the module is taught	5th semester/3 rd year
The person responsible for the module	Dr. Riswani, S.P., M.Si. Ir. Yulian Junaidi., M.Si. Thirtawati, S.P., M.Si. Elly Rosana, S.P., M.Si. M. Arby, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Elective Courses
Teaching methods	Contextual Learning, Cooperative Learning, Project Based Learning
Workload (incl. Contact hours, and self-study hours)	Face-to-face 40.00 + Exam 3.67 hours + Structured assignment and self-study 72.00 = 110.67 hours.
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-5-: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings</p> <p>2. Science Competencies LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness. 3.2. Specific Skills LO-OS-7: To be able to communicate business policies, and agribusiness management for the benefit of farmer empowerment.</p>

Content	<ol style="list-style-type: none"> 1. Introduction: understand the meaning and characteristics of mass communication. 2. Mass communication function 3. Components of Mass Communication 4. Mass Communication Process and Model 5. Barriers to Mass Communication 6. Mass communication theories 7. Media Audience 8. Mass Communication Effect 9. Mass Communication Ethics 10. Mass Media Content Analysis 11. Mass media and government system 12. Broadcast Journalism 13. Journalism Act 14. Mass Media and Society
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Doing practical works 3. Video and Movie Project 4. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Vivian, John. "Teori Komunikasi Massa" penerbit Kencana, tahun 2008. 2. Ardianto, Elvinarno dan Lukiati Komala. 2005. Komunikasi Massa (suatu pengantar). Simbiosis Rekatama Media. Bandung. 3. Mulyana, Deddy. 2000. Ilmu Komunikasi : suatu pengantar, Bandung :Remaja Rosda Karya. 4. Severin, Werner J dan James W. Tankard. 2005. Teori Komunikasi. Kencana. Jakarta. 5. Tubbs, L Stewart dan Moss Sylvia. 2001. Human Comunication (konteks-konteks komunikasi). Remaja Rosda karya. Bandung. 6. Tubbs, Stewart L dan Sylvia Moss. 1996. Human Communication: Prinsip-prinsip. Remaja Rosda karya. Bandung 7. Leslie, Larry Z. 1994. Mass Communicaion Ethics: Decision making in postmodern culture. Houghton Mifflin Company, Boston, New York.

Module designation	Soil and Water Conservation
Code	PER 111317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	Dr. Ir. Satria Jaya Priatna, M.S. Dr. Ir. Bakri, M.S.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 Credits
Required and recommended prerequisite for joining the module	Students Have Received Lecture Materials: Soil Science Fundamentals Soil Physics Soil Chemistry
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-3: To play a role as a proud citizen and love the homeland and support world peace</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p>

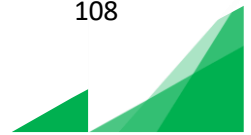
Content	<ol style="list-style-type: none"> 1. Learning contract, RPS explanation, Scope of Soil and water conservation 2. Process and Mechanism of Erosion. The process of erosion occurs in 3 phases: erosion, transport and deposition; Erosion-causing agents: water and wind; Rainfall properties that affect erosion; Erosion forms; Erosion that can still be allowed 3. Water cycle; Water equation; Discharge measurement and surface runoff prediction 4. Factors Affecting Erosion. Climate factors (rainfall): the amount of CH, intensity, distribution, Soil factors: structure, organic matter, permeability, texture. Topographic factors: the length of the slope and the slope of the slope. Vegetation factors: plant roots, canopy and litter 5. Calculation of the amount of erosion: Calculation of erosion in the experimental plot 6. Erosion prediction (USLE and RUSLE); Erosion mapping (Iso erodent line) 7. Erosion Measurement in Watershed: Monitoring of erosion in the field and watershed 8. Soil Conservation Methods in Erosion Control. Soil Conservation Methods in Erosion Control: Mechanical methods: tillage, terraces, guluds, conservation channels, rorak, (making and measuring) 9. Soil Conservation Methods in Erosion Control. Vegetation methods: cropping according to contour, multiple cropping, cropping in STRIP, rotation, cover cropping. 10. Problems caused by erosion. In situ damage, Waterbody damage 11. Problems caused by erosion. Downstream damage, floods and landslides 12. Floods and Landslides. Causes and control of floods and landslides 13. Land capability class as the basis for conservation farming 14. Examples of erosion and flood damage in South Sumatra and Indonesia
---------	--



M
O
D
U
L
E
H
A
N
D
B
O
O
K

Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing paper 3. Group discussion
Reading List	<ol style="list-style-type: none"> 1. Arsyad, S. 2010. Soil and Water Conservation. 2nd Edition. Bogor: IPB Press. 2. Barus, et al. 2011. Final Report Preparation of Criteria for Critical Land. Bogor: Central Regional Development Assessment (P4W) Bogor Agricultural University. 3. Frederick R. Troeh, J. Arthur Hobbs, Roy L. Donahue; 1980, Rev. ed. of: Soil and water conservation for productivity and environmental protection, by Prentice-Hall, Inc, Englewood Cliffs 4. Glenn O. Schwab et all, 1981. Soil and Water Conservation Engineering (Third edition); by Jhon and Willey & Sons . Inc

Module designation	Group Dynamics and Participatory Methods***
Code	ABI 704317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	1. Ir. Yulian Junaidi, M.Si. 3. Dr. Yunita, SP, M.Si, 4. Selly Oktarina, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-5-: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p>



M
O
D
U
L
E
H
A
N
D
B
O
O
K

Content	<ol style="list-style-type: none"> 1. The history of group dynamics and the development of society, Group dynamic status, 2. Definition of group dynamics and community development, Group dynamics education, Community development programs, Elements of group dynamics, Principles of group dynamics and community development and Principles of group dynamics and development 3. Definition of social interaction, Aspects of social interaction, Forms of social interaction, Theory of social interaction. 4. Kinds of social groups, Definition of a social group, Characteristics of social groups, Formation and effectiveness of social groups, The influence of social groups on personal and group life. 5. Definition of motivation, Theories of motivation in group dynamics. 6. Institutional definition, Institutional importance, Institutional role in participatory development, 7. Definition of social capital, Components of social capital, The importance of social capital in participatory development. 8. Definition of empowerment and partitioning, Problems in community empowerment, Efforts in community empowerment and participation and Factors affecting community empowerment and participation. 9. Definition of organizational behavior, The behavior of society in the organization, Problems in the organization, Conflicts and their solutions in the organization, Definition of community organization, Types of community organizations, and Patterns of community development. 10. Definition of opinion leader, History of opinion leaders, The role of leaders in community development, The history of group dynamics and the development of society, Group dynamic status. 11. Definition of group dynamics and community development, Group dynamics education, Community development programs, Elements of group dynamics, Principles of group dynamics and community development and Principles of group dynamics and development.
---------	---

	<p>12. Definition of social interaction, Aspects of social interaction, Forms of social interaction, and Theory of social interaction</p> <p>13. Definition of participation, Types of participation, Community participation levels, Alternative participatory methods for community development, and Types of participatory methods for the development of society.</p> <p>14. The role of the facilitator, The role of the educator, The role of the messenger and Participatory forms of development.</p>
Examination forms	<p>1. Essays questions</p> <p>2. Writing Project Paper</p> <p>3. Oral presentation</p>
Reading List	<p>3. Dumasari. (2014). <i>Dinamika Pengembangan Masyarakat Partisipatif</i>. Yogyakarta: Pustaka Pelajar.</p> <p>4. Hariadi, S.S. (2011). <i>Dinamika Kelompok</i>. Yogyakarta: Sekolah Pascasarjana UGM.</p> <p>5. Santosa, S. (1999). <i>Dinamika Kelompok</i>. Jakarta: Bumi Aksara.</p> <p>6. Hikmat, H. (2004). <i>Strategi Pemberdayaan Masyarakat</i>. Bandung : Humaniora Utama.</p> <p>7. Israel, A. (1990). <i>Pengembangan Kelembagaan : Pengalaman Proyek-Proyek Bank Dunia</i>. Jakarta : LP3ES.</p> <p>8. Khairuddin. (1992). <i>Pembangunan Masyarakat</i>. Yogyakarta : Liberty.</p> <p>9. Nasdian, F.T. (2015). <i>Pengembangan Masyarakat</i>. Jakarta: Fakultas Ekologi Manusia IPB dan Yayasan Obor Indonesia.</p> <p>10. Setiawan, I. (2012). <i>Dinamika Pemberdayaan Petani : Sebuah Refleksi dan Generalisasi Kasus di Jawa Barat</i>. Bandung : Widya Padjajaran.</p>

Module designation	Participatory Development Methods
Code	ABI 705317
Semester (s) in which the module is taught	5 th semester/3 rd year
Person responsible for the module	Ir. Yulian Junaidi, M.Si Ir. Yulius., MM Selly Oktarina, SP., M.Si Nurilla Elysa Putri, SP., M.Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 40.00 + Exam 3.67 hours + Structured assignment and self-study 72.00 = 110.67 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values</p> <p>LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>LO-AV-5-: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings</p> <p>2. Science Competencies</p> <p>LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness</p> <p>LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills</p> <p>3.1. General Skills</p> <p>LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in</p>

	<p>groups on various agribusiness problems.</p> <p>LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills</p> <p>LO-OS-8: To be able to motivate and empower the community in the field of agribusiness development to improve community welfare.</p>
Content	<ol style="list-style-type: none"> 1. Definition of Participation 2. Participatory Techniques 3. Participatory Methods 4. PRA and RRA 5. Teknik Focus Group Discussion (FGD) 6. Method SWOT 7. ZOPP method 8. Environmental Scanning (ES) Methods 9. Participatory Impact Monitoring (PIM) Method 10. Metode AHP 11. Stakeholder Mapping (DFID Diagram) 12. Stakeholder Mapping (Spider Diagram) 13. Community Development Program Cycle
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation 4. Technical and method simulation Practice
Reading List	<ol style="list-style-type: none"> 1. Chambers, R., 2004. Participatory Rural Appraisal. Concept Publishing Company. 2. Murray, M., 2010. Participatory Rural Planning. Routledge; 1st edition. London. 3. Kumar, S., 2002. Method for Community Participation. ITDG Publishing. London. 4. Sanov., 1999. Community Participation Methods in design and planning. Willey Publisher. 5. Rangkuti, F., 2002. Analisis SWOT: Teknik Membedah Kssus Bisnis. Gamedia Pustaka Utama. Jakarta.

Module designation	Agribusiness Marketing Management
Semester (s) in which the module is taught	6 th semester/3 rd year
Person responsible for the module	Prof. Fachrurrozie Sjarkowi, M.Sc., Ph.D. Prof. Dr. Ir. Andy Mulyana, M.Sc. Dr. Ir. Idham Alamsyah, S.P., M.Si. Dr. Riswani, S.P., M.Si. Dr. Desi Aryani, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Case based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values</p> <p>LO-AV-2: To have good morals, ethics and personality in completing their duties</p> <p>LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>LO-AV-5-: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings</p> <p>LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>LO-AV-8: To be able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies</p> <p>LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness</p> <p>LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of</p>

sustainable agribusiness operation systems.

LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.

LO-SC-5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition.

3. Occupational Skills

3.1. General Skills

LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.

LO-OS-2 : To be able to manage, develop, and market sustainable agriculture-based agribusiness products by applying agricultural socio-economic principles through quantitative and qualitative approaches.

LO-OS-5: To be able to communicate and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.

3.2. Specific Skills

LO-OS-8: To be able to motivate and empower the community in the field of agribusiness development to improve community welfare.

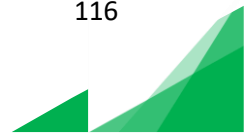
LO-OS-9: To be able to create job opportunities, or business in the agribusiness sector in a sustainable manner by involving the wider community.

LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.

LO-OS-11: To be able to manage and develop

	agribusiness by implementing a management system that guarantees quality output.
Content	<ol style="list-style-type: none"> 1. Introduction: Concept; Role; and Philosophy 2. Creating Value, Satisfaction and Loyalty 3. Developing Strategies and Plans of Market Oriented Marketing 4. Analyzing Agribusiness Marketing Opportunities 5. Agribusiness Marketing Environment 6. Analyzing Consumer Markets, Business Markets and Consumer Behavior 7. Identifying Segments and Target Markets 8. Marketing Mix 9. Creating Brand Equity 10. Forming Brand Positioning 11. Facing Competition 12. Agricultural Products Marketing and Marketing Function 13. Margins and Marketing Costs 14. Developing Pricing Strategies and Programs
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Case Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Kotler, P. 1995. Manajemen Pemasaran (Analisis Perencanaan, Implementasi dan Pengendalian). Salemba Empat, Jakarta. 2. Kohls, R.L. & J.N. Uhl. 2002. Marketing of Agricultural Products, 9th Edition. Prentice Hall, New Jersey.

Module designation	Operational Research
Code	ABI 605317
Semester (s) in which the module is taught	6 th semester/3 rd year
Person responsible for the module	Ir. Mirza Antoni, Ph.D. Dr. Ir. Maryadi, M.Si. Dr. Dessy Adriani, S.P., M.Si. Dwi Wulan Sari, S.P., M.Si., Ph.D.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (3-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-8: To be able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems. LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness. LO-SC-6: To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.</p>



	<p>3. Occupational Skills</p> <p>3.1. General Skills</p> <p>LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS-8: To be able to motivate and empower the community in the field of agribusiness development to improve community welfare.</p> <p>LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p> <p>LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.</p>
--	--

Content:	<ol style="list-style-type: none"> 1. Operational Research: basic concepts, objectives, and scope, Operational Research as a Science and Art Approach, The Role of RO 2. Linear programming 3. Simplex method 4. Duality And Sensitivity Analysis 5. Transportation Method (transportation method) I 6. Assignment Issues 7. QM for Windows I Data Processing Practices 8. Network Analysis, PERT, CPM 9. Inventory Model Analysis 10. Integer Model Analysis 11. Goal Programming 12. QM for Windows II Data Processing Practices 13. Presentation Project Based Method 14. Presentation Project Based Method
Examination forms:	<ol style="list-style-type: none"> 1. Lectures 2. Structured Question and Answer 3. Field data collection, Report, Presentation and Discussion
Reading List:	<ol style="list-style-type: none"> 1. Sri Mulyono, 2004, Riset Operasi, Penerbitan Fakultas Ekonomi Universitas Indonesia. 2. A Taha, Hamdy, 1996, Riset Operasi Jilid 1 dan 2, Jakarta : Binarupa Aksara. 3. Wayne L. Winston, 2004, Operations Research : Applications and Algorithms, Fourth Ed, Thomson Learning, Inc.

Module designation	Social Economics Research Methodology
Code	ABI 603317
Semester (s) in which the module is taught	6 th semester/3 rd year
Person responsible for the module	Prof. Dr. Ir. Sriati, M.S. Ir. M. Yazid, Ph.D. Dr. Yunita, S.P., M.Si. Dr. Erni Purbiyanti, S.P., M.Si
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>2. Science Competencies LO-SC-6: To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness. LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in</p>

	<p>groups on various agribusiness problems.</p> <p>3.2. Specific Skills</p> <p>LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<ol style="list-style-type: none"> 1. Basic Aspects of Research Methods 2. Research Paradigm 3. Research Process and Stages 4. Research Topics and Problems 5. Theory/Concept Framework 6. Research Hypothesis 7. Variables, concept definitions, and Operational Definitions 8. Measurement and Design of Research Instruments 9. Population and Sample (sampling technique) 10. Data Collection 11. Data Analysis 12. Discussing research results and drawing conclusions 13. Preparation of Research Proposal 14. Reporting and Publication of Research Results.
Examination forms	<ol style="list-style-type: none"> 1. Essays and multiple choices questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Sriati, 2013. Metode Penelitian Sosial. Penerbit Universitas Sriwijaya. Palembang 2. Creswell, John W. 2009. Research Design: Qualitatif, Quantitatif, and Mixed Methods Approaches, Sage Los Angeles. 3. Cooper, D.R., & Schindler, P.S. (2001). Business Research Methods. (7th ed.). McGraw Hill Book Co. Boston. 4. Conover, W.J. 1980. Practical Nonparametric Statistics. (2th ed). John Wiley & Sons. New York 5. Davis, D. & Cosenza, R.M. 1993. Business Research for Decision Making. PWS-KENT Publishing Company. Belmont. 6. Krathwohl David B, (1985). Social and Behavioral Science Research.. Jossey-Bass Publisher. London. 7. Singarimbun, M. dan Effendi, S. (editor) 1989.

	<p>Metode Penelitian Survei. Penerbit LP3ES. Jakarta.</p> <ol style="list-style-type: none">8. Sugiyono. 2012. Metode Penelitian Kombinasi (Mixed Methods) (ed.2). Penerbit Alfabeta. Bandung.9. Supranto, J. 1992. Teknik Sampling untuk Survei dan Eksperimen. Penerbit Rineka Cipta. Bandung.10. Sekaran, U. 2000. Research Methods for Business : A Skill Building Approach, 2nd.Ed. John Wiley & Son.Inc. New York.11. Widoyoko, E.P.. 2012. Teknik Penyusunan Instrumen Penelitian. Penerbit Pustaka Pelajar. Yogyakarta.
--	--

Module designation	Entrepreneurship
Code	ABI 1406317
Semester (s) in which the module is taught	6 th semester/3 rd year
Person responsible for the module	Dr. Agustina Bidarti, S.P., M.Si. Ir. Yulius, MM. Dr. Desi Aryani, S.P., M.Si. Eka Mulyana, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project Based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Structured assignment and self-study 48.00 = 75.00 hours.
Credit points	2 (2-0) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcome	<p>1. Attitudes and Values LO-AV-8: To be able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-2 : To be able to manage, develop, and market sustainable agriculture-based agribusiness products by applying agricultural socio-economic principles through quantitative and qualitative approaches. 3.2. Specific Skills LO-OS-8: To be able to motivate and empower the community in the field of agribusiness development to improve community welfare.</p>

Content	<ol style="list-style-type: none"> 1. The Scope of Entrepreneurship 2. Concept, context and the nature of entrepreneurship 3. Characteristics and The Value of Entrepreneurship 4. Kinds, Function and The Roles of Entrepreneurship 5. Creativity and Innovation in Entrepreneurship 6. Basic Capital of Entrepreneurship 7. The Process of Entrepreneurship 8. Midterm Exams 9. Entrepreneurial Ideas and Opportunities 10. Entrepreneurship in the context of business and franchising 11. Business Analysis and Feasibility Study 12. Business Planning, Management Strategy and Entrepreneurial Marketing 13. Small Business Profile and Its Development Model in Entrepreneurship 14. Competitive Strategy in Entrepreneurship 15. Business Ethic and Entrepreneurship 16. Final Exams
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Video Project
Reading List	<ol style="list-style-type: none"> 1. Vera, Indria, Agustina, Et. al. 2022. Entrepreneurship Module. Zahir Publishing. ISBN :978-623-5705-94-1 2. J.G. Longenecker, Carlos W. Moore, J. William Petty. 2001. Kewirausahaan Manajemen Usaha Kecil. Salemba Empat. Jakarta. 3. Entrepreneurship. 2009. Management and Practice of Kristanto, Heru. Graha Ilmu. Yogyakarta. 4. Entrepreneurship: Entrepreneurial Characteristics Approach. 2010. Suryana, Yuyus et al. Kencana Prenada Media Group Publishing. Jakarta.

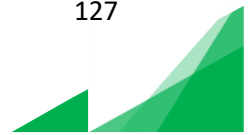
Module designation	Agribusiness Multi Commodity and Ecosystem
Code	ABI 405317
Semester (s) in which the module is taught	6 th semester/3 rd year
Person responsible for the module	Dr. Ir. Elisa Wildayana, M.S.i Dr. Ir. Lifianthi, M.Si. Dr. Ir. Maryadi, M.Si. Dr. Ir. Najib Asmani, M.Si. Sherly Novita Sari, S.P, M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual learning, Cooperative learning, Project based learning.
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	4 (2-2) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-4: To be able to work together and have social sensitivity and high concern for society and the environment. LO-AV-5-: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings</p> <p>2. Science Competencies LO-SC-1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop</p>

	<p>innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>3.2. Specific Skills</p> <p>LO-OS-10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p> <p>LO-OS-11: To be able to manage and develop agribusiness by implementing a management system that guarantees quality output.</p>
Content	<ol style="list-style-type: none"> 1. Introduction (Definition of Agribusiness and Ecosystems). 2. Types and Characteristics of Agricultural Commodities. 3. Agroecosystems. 4. Wetland Agriculture Based on Its Physical Form and Ecosystem. 5. Dryland Agriculture Based on Its Physical Form and Ecosystem. 6. Mainland Ecosystems. 7. Industrial Plantation Forests and Mangrove Forests. 8. Agroforestry. 9. Aspects in Multi Commodity Agribusiness. 10. Agricultural Industrial System. 11. Post-Processing and Food Quality Handling Technology 12. Problems in Agriculture. 13. Field Visits (Group tasks to make videos ranging from crop cultivation activities with commodity selection to production that is ready to be marketed with a choice of commodities based on the type of existing land ecosystem). 14. Group Presentations.
Examination forms	<ol style="list-style-type: none"> 1. Essays Questions 2. Writing Project Paper 3. Oral presentation

Reading List

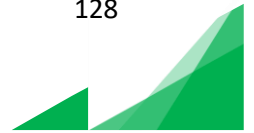
1. Agro-Ekosistem dan Sisa Ekosistem Lahan Basah Lestari; Penopang Kedaulatan Pangan dan Kemakmuran NKRI , 2016. Sjarkowi, F. 2016. Penerbit CV. Baldad Grafiti Press Palembang.
2. Diversifikasi Ekosistem Alami Indonesia: Ungkapan Singkat dengan Sajian Foto dan Gambar. 2017. Kartawinata, K. Pusat Data dan Dokumentasi Ilmiah, LIPI, Jakarta.
3. Impacts of Land -Use Change On Ecosystem Services, 2015. Zhan, J. Publisher Springer Geography.

Module designation	Econometric
Code	ABI 1604317
Semester (s) in which the module is taught	6 th semester/3 rd year
Person responsible for the module	Prof. Dr. Ir. Andy Mulyana, M.Sc. Ir. M. Yazid, Ph.D. Ir. Mirza Antoni, M.Si., Ph.D. Dr. Dessy Adriani, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV 8: Able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies LO-SC 2: Able to understand knowledge and technology in the field of agribusiness including the development of professional practices through research studies to produce innovative work in the field of agribusiness that is tested using econometric analysis tools LO-SC 3: Able to understand the fields of economics, management, business, entrepreneurship, institutional, sociology, counseling and communication, as well as agricultural sciences for the development of sustainable agribusiness operating systems based on the results of econometric analysis. LO-SC 4: Able to understand operationally the social, economic and technological principles that underlie the management of agricultural businesses and agricultural industries and socio-cultural aspects in the countryside for decision making and problem solving in the field of agribusiness based on econometric analysis. LO-SC 5: Able to manage research and development in the field of agribusiness that is beneficial to society and science and able to get national and international</p>



M
O
D
U
L
E
H
A
N
D
B
O
O
K

	<p>recognition using econometric analysis tools</p> <p>3. Occupational Skills</p> <p>3.1. General Skills</p> <p>LO-OS 3 : Able to make the right decisions using quantitative and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems based on the results of econometric model analysis.</p> <p>LO-OS 4 : Able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes through the results of simulated econometric models</p> <p>3.2. Specific Skills</p> <p>LO-OS 6 : Able to use econometric methods to formulate strategies for the use of resources to increase the capacity of themselves and society in facing the challenges of agribusiness development in the future.</p> <p>LO-OS 8 : Able to motivate and empower the community in the field of quantitative agribusiness business development to improve community welfare</p> <p>LO-OS 10 : Able to integrate econometric concepts and practices in the field of agribusiness and entrepreneurship</p> <p>LO-OS 11 : Able to manage and develop agribusiness businesses by implementing a management system that ensures quality output based on quantitative and qualitative principles</p>
<p>Content</p>	<ol style="list-style-type: none"> 1. Definition of Econometrics 2. Simple Linear Regression: Ordinary Least Square 3. Multiple Regression 4. Econometric Modeling 5. Regression Model with Qualitative Variables 6. Logistic Regression Model 7. Violation of Gauss Markov Conditions /Classical Assumptions. 8. Violation of Gauss Markov Condition /Classical Assumption 9. Dynamic Regression Model 10. Panel Data Regression 11. Simultaneous Equation Model 1 12. Simultaneous Equation Model 1 13. Times Series 1 Econometric Model 14. Times Series 1 Econometric Model



M
O
D
U
L
E
H
A
N
D
B
O
O
K

Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Gujarati, Damodar. 2007. Basic Econometric, Second Edition, McGraw-Hill Book Company, Forth Edition, New York. 2. Kautsoyiannis. 1977. Theory of Econometrics: An Introductory Exposition of Econometrics Methods. Second Edition. Harper & Row Publishers Inc. Inggris. 3. Pindyck , R. S. and D. L. Rubinfeld. 1991. Econometrics Models, and Economies Forecast. 3rd. ed. McGraw-Hill Edition. Singapore. 4. Agus Widarjono. 2007. Econometrics: Theory and Application. Econesian publisher. Yogyakarta.

Module designation	Regional Planning
Code	ABI 308717
Semester (s) in which the module is taught	6 th semester/3 rd year
Person responsible for the module	Ir. M. Yazid, Ph.D. Dr. Ir. Idham Alamsyah., M.Si Ir. Yulius, MM Nurilla Elysa Putri, SP., M.Si
Language	Indonesian
Relation to curriculum	Elective Courses
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning, Data Analysis
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-6: To highly uphold law enforcement and have the spirit to put the interests of the nation and the wider community first.</p> <p>2. Science Competencies LO-SC-2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC-3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-4: To be able to apply and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes. 3.2. Specific Skills LO-OS-6: To be able to use methods, and formulate</p>

	strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.
Content	<ol style="list-style-type: none"> 1. Conception of Planning 2. Conception of Space, Region, Region and Region 3. Spatial-Spatial Classification 4. Village-City Linkage 5. Agropolitan Concept 6. LQ Analysis (location Question) 7. Analisis Shift Share (SSA) 8. Labor Doubling (Formula) 9. Domestic Resources (Formula) 10. Io policy sense 11. IO formula and calculation 12. Location theory 13. Stadia Development of the territory 14. Regional Autonomy
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Data Analysis Report
Reading List	<ol style="list-style-type: none"> 1. Hanafiah, Teuku. 1985. Beberapa Aspek Dalam Masalah Perencanaan Wilayah. Majalah Zona. Juni 1985. Himpunan Peminat Ilmu-Ilmu Pengembangan Wilayah (HIPIPWI). Bogor. 2. Hanafiah, Teuku. 1994. Kebijaksanaan dan Perencanaan Pembangunan Wilayah. Jurnal Sosek Pertanian, Mimbar Sosek. No. 8 Desember 1994. ISSN 0215—8434. Jurusan Ilmu-ilmu Sosial Ekonomi Pertanian Fakultas Pertanian Institut Pertanian Bogor. Bogor. 3. Hasibuan, Nurimansjah, 1993. Pemerataan dan Pembangunan Ekonomi. Teori dan Kebijaksanaan. Universitas Sriwijaya. ISBN 979-587-002-5. Palembang. 4. Rustiadi, E.,et al. 2009. Perencanaan Pembangunan Wilayah Perdesaam. Yayasan Obor. Jakarta 5. Tarigan, R, 2009. Perencanaan Pembangunan Wilayah. Bumi Aksara.. Jakarta 6. Tarigan, R., 2005. Ekonomi Regional Teori dan Aplikasi. Bumi AKsara. Jakarta 7. Tarigan, R., 2014. Ekonomi Regional. Bumi Aksara. Jakarta.

8. Tomaney, J., Krawchenko, T., Mcdonald, C., 2019. Regional planning and Rural Development. Routledge. London.
9. Pramono, W.D., 2021. Modul Teknik analisis dan Perencanaan Wilayah. Deepublish. Yogyakarta.

Module designation	Community Development Planning and Evaluation*
Code	ABI 706317
Semester (s) in which the module is taught	6 th semester/3 rd year
Person responsible for the module	Ir. Yulian Junaidi, M.Si Ir. Yulius, M.M. Nurillah Elysa Putri, S.P.,M.Si.
Language	Indonesian
Relation to curriculum	Electives (permissible to be selected or not)
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Face-to-face 26.67 + Exam 3.67 hours + Practical 19.83 hours + Structured assignment and self-study 48.00 = 94.83 hours.
Credit points	3 (2-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV-7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>2. Science Competencies LO-SC-4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS-1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness. LO-OS-3: To be able to make the right decisions using quantitative, and qualitative methods, and able to</p>

	<p>recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>3.2. Specific Skills</p> <p>LO-OS-6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS-7: To be able to communicate business policies, and agribusiness management for the benefit of farmer empowerment.</p>
Content	<ol style="list-style-type: none"> 1. Definition of Participatory Development Planning and Evaluation 2. Capacity Building Framework 3. Capacity Building as participatory development 4. Planning and evaluation function of participatory development 5. Data as a power in planning and evaluation 6. Various models in participatory planning and evaluation 7. Logic model–A planning and evaluation tool 8. Stakeholder involvement in planning and evaluation 9. Conception of Strategic planning and program work plan 10. Preparation of program strategic plans 11. Preparation of program work plan 12. Conception of Evaluability assessment 13. Data collection procedures in program evaluation 14. Data analysis and recommendations in program evaluation
Examination forms	<ol style="list-style-type: none"> 1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	<ol style="list-style-type: none"> 1. Deborah Eade. 2007. Capacity-Building, An Approach to People-Centred Development. Oxfam. UK. 2. Hamid Doost Mohammad. 2017. Principles of Strategic Planning. Fachhocscule des Mittelstands (FHM). Germany. 3. Economic Planning Unit 2010. Handbook For Logical Framework Analysis. Prime Minister’s Department. Malaysia.

- | | |
|--|--|
| | <ol style="list-style-type: none">4. Terrence Marrison. 2001. Actionable Learning: A Handbook for Capacity Building Through Case Based Learning. Asian Development Bank Institute. Japan.5. Treasury Board of Canada. 1998. Program Evaluation Methods: Measurement and Attribution of Program Results. Treasury Board of Canada. |
|--|--|

Module designation	Community Service Program (ABI 707417)
Semester (s) in which the module is taught	7 th semester/4 th year
Person responsible for the module	Academic Counselors
Language	Indonesian
Relation to curriculum	Compulsary
Teaching methods	Project based Learning; Case Based Method
Workload (incl. Contact hours, self-study hours)	272 hours.
Credit points	4 (0-4) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV 1: To fear of The Almighty God LO-AV 4: To be able to work together and have social sensitivity and high concern for society and the environment. LO-AV 5: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings LO-AV 7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>2. Science Competencies LO-SC 1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC 4: Able to understand operationally the social, economic and technological principles that underlie the management of agricultural businesses and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness based on analysis through Participatory Development Planning and Evaluation LO-SC 6 : To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.</p> <p>3. General Skills LO-OS 3 : To be able to make the right decisions using quantitative and qualitative methods, and able to</p>

	<p>recommend alternative solutions individually and in groups on agribusiness community empowerment through Participatory Development Planning and Evaluation.</p> <p>LO-OS 4 : To be able to apply, and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>LO-OS 5: To be able to communicate, and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness</p> <p>4. Specific Skills</p> <p>LO-OS 6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.</p> <p>LO-OS 8: To be able to motivate, and empower the community in the field of agribusiness development to improve community welfare.</p> <p>LO-OS 10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<p>This course provides skills to students through hands-on experience/work practice on ways to integrate and apply various sciences in formulating and solving development problems: the nature of the problem, techniques for solving development problems, solving development problems pragmatically based on science, technology and art, mobilizing the community in their participation to solve development problems.</p>
Examination forms	Project Paper
Reading List	Text book and Research publications related to topics.

Module designation	Internship (ABI 607417)
Semester (s) in which the module is taught	7 th semester/4 nd year
Person responsible for the module	Academic Counselors
Language	Indonesian
Relation to curriculum	Compulsary
Teaching methods	Project based Learning; Case Based Method
Workload (incl. Contact hours, self-study hours)	204 hours.
Credit points	3 (0-3) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV 2: To have good morals, ethics and personality in completing their duties</p> <p>2. Science Competencies LO-SC 1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC 2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC 3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems⁵ LO-SC 4: Able to understand operationally the social, economic and technological principles that underlie the management of agricultural businesses and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness based on analysis through Participatory Development Planning and Evaluation LO-SC 5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition. LO-SC 6 : To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international</p>

	<p>accredited scientific journals.</p> <p>3. General Skills LO-OS 1 : To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>LO-OS 4 : To be able to apply, and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>4. Specific Skills LO-OS 10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<p>This course requires students to conduct observations, interviews, apply and improve the knowledge gained in lectures, so as to gradually increase students' abilities in mastering the competencies of the agribusiness study program. In internship activities, students are also given the opportunity to build self-confidence, because they can add and improve their skills and expertise directly, gain understanding, appreciation, and experience in various relevant fields, gain experience on how to think and work in an interdisciplinary manner, so they can understand the existence the relationship of science in solving problems.</p>
Examination forms	Project Paper
Reading List	Text book and Research publications related to topics.

Module designation	Field Practice (PER 112417)
Semester (s) in which the module is taught	7 th semester/4 nd year
Person responsible for the module	Academic Counselors
Language	Indonesian
Relation to curriculum	Compulsary
Teaching methods	Project based Learning; Case Based Method
Workload (incl. Contact hours, self-study hours)	204 hours.
Credit points	3 (0-3) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values</p> <p>LO-AV 2: To have good morals, ethics and personality in completing their duties</p> <p>LO-AV 4: To be able to work together and have social sensitivity and high concern for society and the environment.</p> <p>LO-AV 5: To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings</p> <p>LO-AV 8: To be able to internalize the entrepreneurial spirit</p> <p>2. Science Competencies</p> <p>LO-SC 2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness</p> <p>LO-SC 4: Able to understand operationally the social, economic and technological principles that underlie the management of agricultural businesses and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness based on analysis through Participatory Development Planning and Evaluation</p> <p>LO-SC 6 : To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.</p> <p>3. Occupational Skills</p>

	<p>3.1. General Skills</p> <p>LO-OS 3 : To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>LO-OS 4 : To be able to apply, and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>LO-OS 5 : To be able to communicate, and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.</p> <p>3.2. Specific Skills</p> <p>LO-OS 8: To be able to motivate, and empower the community in the field of agribusiness development to improve community welfare.</p> <p>LO-OS 10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	This course is a student work practice activity in the field of agribusiness, where students act directly as planners, implementers as well as evaluators in their practical activities under the guidance of an appointed supervisor.
Examination forms	Project Paper
Reading List	Text book and Research publications related to topics.

Module designation	Seminar (ABI 606417)
Semester (s) in which the module is taught	7 th semester/4 nd year
Person responsible for the module	Academic Counselors
Language	Indonesian
Relation to curriculum	Compulsary
Teaching methods	Project based Learning; Case Based Method
Workload (incl. Contact hours, self-study hours)	22 hours.
Credit points	1 (0-1) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV 7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>2. Science Competencies LO-SC 1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC 2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC 5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition. LO-SC 6 : To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.</p> <p>3. Occupational Skills 3.1. General Skills LO-OS 1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles</p>

	<p>agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>LO-OS 3 : To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.</p> <p>LO-OS 4 : To be able to apply, and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>3.2. Specific Skills</p> <p>LO-OS 6: To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development</p> <p>LO-OS 10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<p>This course provides an opportunity for students to present the results of research/scientific works made to get suggestions/input, thoughts, from participants for improvement/perfection of the results, and argued against the contents of his papers in seminars.</p>
Examination forms	Research Article
Reading List	Text book and Research publications related to topics.

Module designation	Research Project/Thesis (PER 603417)
Semester (s) in which the module is taught	8 th semester/4 nd year
Person responsible for the module	Academic Counselors
Language	Indonesian
Relation to curriculum	Compulsary
Teaching methods	Project based Learning; Case Based Method
Workload (incl. Contact hours, self-study hours)	408 hours.
Credit points	6 (0-6) credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	<p>1. Attitudes and Values LO-AV 2: To have good morals, ethics and personality in completing their duties LO-AV 7: To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership</p> <p>2. Science Competencies LO-SC 1: To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level LO-SC 2: To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness LO-SC 3: To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems LO-SC 4: To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness. LO-SC 5: To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition.</p>

	<p>LO-SC 6 : To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.</p> <p>3. General Skills LO-OS 1: To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.</p> <p>LO-OS 4 : To be able to apply, and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.</p> <p>4. Spesific Skills LO-OS 10: To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.</p>
Content	<p>Thesis/Research Project is the culmination point of the entire learning process that has been passed by students as well as an evaluation of the readiness and maturity of students after following the entire series of courses. In this case, students are directed to have the ability to think, research, and write scientifically by using research methods, which in practice are guided by Advisors.</p>
Examination forms	Research Paper
Reading List	Text book and Research publications related to topics.