FACULTY OF AGRICULTURE
UNIVERSITAS SRIWIJAYA

Module Handbook

AGRIBUSINESS STUDY PROGRAM

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Module Name	Religion
Code	UNI 10116
Semester (s) in which the module is taught	2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Describe, explain about the introduction of Islamic Religious Education 2. Explain the meaning, the philosophy of divinity in Islam, the history of human thought about God, God according to religion 3. Explain the meaning, the philosophy of divinity in Islam, the history of human thought about God, God according to religion 4. Describe and explain the implementation of Faith and Taqwa, Explaining Problems, challenges and risks in modern life the role of Faith and Taqwa in Answering the Challenges of Modern Life 5. Describe, explain about humans according to Islam 6. Describe, explain the concept of Law, HAM, and Democracy in Islam 7. Describe, explain the concept of Islamic law, the Contribution of Muslims in Indonesia 8. Describe, explain how to apply al-Karimah's morals in everyday life 9. Describe, explain the concept of science and technology and art in Islam 10. Describe, explain the concept of religious harmony 11. Describe, explain the concept of Civil Society 12. Describe, explain the concept of Islamic Economics 13. Describe, explain the concept of Islamic politics
	1. Introduction to Religious education

Content	1. The Concept of God in Islam 2. The concept of faith and piety 3. Implementation of Faith and Taqwa in modern life 4. Human nature according to Islam 5. Law, HAM, and Democracy in Islam 6. Islamic Law, Contribution of Muslims in Indonesia 7. Moral and Moral Ethics 8. Science and technology and art in Islam 9. Inter-religious harmony 10. Civil Society 11. Islamic Economics 12. The concept of Islamic culture 13. Islamic political concept
Examination forms	1. Essays questions 2. Pratical works
Reading list	1. Dikti. 2016. Pendidikan Agama Islam Untuk Perguruan Tinggi. Dikti. 2. Rustam, R., Haris, Z.A. 2018. Pendidikan Agama Islam Di Perguruan Tinggi. Omega. Jakarta 3. Amin, R. 2015. Sistem Pembelajaran Pendidikan Agama Islam pada Perguruan Tinggi Umum. Deepublish.
Date of last amendment	30 July 2021

Module Name	Civic
Code	UNI 10216
Semester (s) in which the module is taught	1st semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Understand the important background, concepts, goals, vision, mission and foundation of Civic Education. 2. Able to describe the history of the formation of the Indonesian nation; able to formulate the characteristics of national identity; able to identify the factors causing the fading of national identity 3. Able to describe concepts, urgency, the nature of national integration and be able to identify the factors forming national integration 4. Have the ability to explain the meaning of the elements and goals of the State ; Definition, constitutional function; Outlining the constitution of the State of Indonesia; Explaining the amendment UUD 1945. 5. Able to understand the existing rules of the Indonesian constitution 6. Able to explain the obligations and rights of citizens 7. Able to analyze the rights and obligations of citizens in the life of society, nation and state 8. Able to explain the history of the growth and development of democratic ideas/thoughts; Able to analyze various influential variables in the development of democracy ; Analyze the foundation of democracy in Indonesia and describe the history of the development of democracy in

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	Indonesia 9. Able to explain basic concepts/definitions Rule of Law and analyze problems Rule of law. 10. Able to explain the history of development HAM and describe various HAM as well as institutions HAM. 11. Able to explain the concept of geopolitics as a national insight 12. Describe the influence of regional and social aspects on existence and be able to analyze the problems of the archipelago's insight in facing the time 13. Able to explain the concept of Indonesian Geostrategy in the form of national resilience 14. Able to explain the background of the importance of national resilience and describe the main ideas and nature of national resilience in Pancasila and UUD 1945.
Content	1. Concept, Purpose, Vision, Mission and Background importance of Civid 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 7. Indonesian Democracy 8. Law enforcement and HAM 9. Archipelago Insights/ Geopolitics. 10. Gestrategis Indonesia/ National Resilience
Examination forms	1. Essays questions 2. Pratical works 3. Oral presentation
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.
Date of last amendment	28 April 2021

Module Name	Mathematic
Code	PER 11516
Semester (s) in which the module is taught	1st semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 36 Hours Self-study = 36 Hours Total : 110.67 hours = 4.43 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Explain the concept of the real number system; Solving operations on real numbers. 2. Distinguish between rational and irrational numbers;Understand and apply field Characterisitic 3. Explain the concept of inequality; Finding the solution to a simple inequality, absolute value, square root and square 4. Draw quadrilateral coordinates and the given points 5. Determine the point of intersection of the curve on the coordinate axis; Drawing equation graph 6. Able to determine function value; Drawing function; Completing operations on functions 7. Understand and solve trigonometric function problems 8. Define Understanding the concept and limit theorem ; Determining the continuity of the function 9. Understand the meaning of derivative; Understand the relationship between limits and derivatives ; Determine the derivative of sinus and cosinus 10. Understand the concept of the chain rule; Solving the derivative of the composition function ; Write down the chain rule in the Leibniz way 11. Determine the maximum/minimum critical points

	of a function 12. Understand the concept of integrals and understand the rules for determining integrals 13. Understand the concept of replacement method; Determine the integral function of the composition 14. Form a matrix with a certain ordo; Performing operations on matrices 15. Form a system of linear equations from the given case
Content	1. Real numeral system 2. Rational and irrational numbers; Operations on real numbers, ;Characteristif of Field 3. Inequality ; Absolute value; square root; square 4. Quadrilateral coordinate system, point distance, straight line, slope of line 5. The point of intersection of the curve; Draw an equation graph 6. Definition of function; Drawing function; Sum operation and multiplication, Composition of functions and trigonometric functions 7. Definition of limit; limit theorem; Continuity of function 8. Definition of derivative through limit; derivate search rules; derivate sinus dan cosinus 9. Leibniz Writing chain rule; High-level derivative 10. Maximum-minimum function; monotony; Concavity 11. Integral concept; Integral determination rule 12. Integral of composition function (Replacement method 13. Area of flat area 14. Ordo matrix ; Transpose, sumation, multiplication; Determinant ; ajoin, dan kofactor Invers matrix 15. System linear Of equations ; Form matrix from System linear of equations ; Solution System linear Of equations ; Notation sigma Σ
Examination forms	1. Quiz (essay) 2. Doing practical works (report) 3. Structured assignment (essay and paper) 4. Midterm (MCQ) 5. Final Exam (essay)
Reading list	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. 2. Jumini, S. 2017. Buku Ajar Matematika Dasar Untuk Perguruan Tinggi. Penerbit Mangku Bumi. 3. Suryanti, S., Zawawi, I. 2020. Pengantar Dasar Matematika. Deepublish.
Date of last amendment	30 June 2021

Module designation	Introduction to Agricultural Science
Code	PER 12215
Semester (s) in which the module is taught	1st semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to explain why agriculture is very important. 2. Students are able to explain the history and development of primitive to modern agriculture 3. Students are able to describe the role of agriculture on the development of civilization 4. Students are able to identify job opportunity in agricultural sector. 5. Students are able to appreciate people who have contributed their knowledge and skill to agriculture. 6. Students are aware about current issues on climate change related to agriculture 7. Students are aware about current issues on crisis of food and energy. 8. Students are able to explain the important of plant and crop in agricultural production 9. Students are able to explain the important of animal in agricultural production 10. Student are aware of pest and disease as limiting factor in agriculture 11. Students are able to describe the important of soil and water in agriculture 12. Students are able to describe the important of plant materials and culture technique in agriculture 13. Students are able to describe harvest and post-

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	harvest handling to minimize yield losses.
	14. Students are able to explain how biotechnology contribute significantly to agriculture
Content	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	1. Quiz (essay)
	2. Structured assignment (essay and paper)
	3. Midterm exam (essay)
	4. Final exam (essay)
Reading List	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.
Date of last amendment	30 June 2021

Module Designation	Botany
Code	PER 12116
Semester (s) in which the module is taught	1st semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 14.17 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 89.17 hours = 3.57 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Capable of internalizing academic values, norms and ethics. 2. Mastering the theoretical concepts and being able to develop science and technology for the cultivation of food crops, plantations and horticulture based on local wisdom and resources. 3. Capable of applying logical, critical, systematic, and innovative thinking in the context of the development or implementation of science and technology that pays attention to and applies humanities values in accordance with their field of expertise.
Content	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	1. Quiz (essay)
	2. Doing practical works (report)
	3. Structured assignment (essay and paper)
	4. Midterm (MCQ)
	5. Final Exam (essay)
Media employed	LCD, whiteboard, websites
Reading list	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.
Date of last amendment	30 June 2021

Module designation	Fundamentals of Management
Code	ABI 301117
Semester (s) in which the module is taught	1th semester/1nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students can remember the history of management science. 2. Students can understand the definition of management science and management school of thought 3. Students can understand and explain various techniques in preparing plans. 4. Students can apply the principles of organizing. 5. Students can analyze and explain various forms of departmentation and give examples of main departments and supporting departments. 6. Students can analyze the benefits of having staff and committees in the organization. 7. Students can correlate the elements of delegation as well as various techniques in delegating tasks and authority.

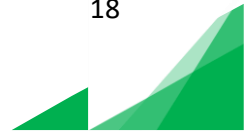|		
		8. Students can deduce techniques for obtaining employees and conducting job analysis
		9. Students can appraise various techniques to take advantage of employees at work.
		10. Students can validate various techniques to utilize employees at work.
		11. Students can validate various techniques to dismissing employees at work.
		12. Students can predict ways to give effective orders.
		13. Students can collaborate objectives, principles and types of supervision, including measuring instruments and how to improve them.
		14. Students can build how to manage workers so that they work effectively and efficiently.
		15. Students will create Plan in Agribusiness in accordance with management theory, starting from Planning, Organizing, Executing, Supervising to Managing Human Resources
	Content	1. Introduction and Development of Management
		2. Management science and management school of thought
		3. Planning Function
		4. Organization Function
		5. Deparmentation
		6. Staff and Committee
		7. Delegation
		8. Acquiring Employees
		9. Advantaging Employees
		10. Utilizing Employees
		11. Dismissing Employees
		12. Giving Ordes Function
		13. Supervision Function
		14. Human Resource Management
		15. Presentation Of The Company's Case Review
	Examination forms	1. Essays questions
		2. Writing Case Paper
		3. Oral presentation
	Reading List	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 2. Erlngga. Jakarta. Williams, Teresa. 1993. 50 Activities to Develop Management Skills. Volume 2. Scripting. Jakarta. Zandstra,
	5. Jack. 1993. 50 Activities to Develop Management Skills. Volume 3. Jakarta
Date of last amendment	16 July 2021

Module designation	Introduction to Agricultural Economics
Code	ABI 201117
Semester (s) in which the module is taught	1st semester/1st 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)	Lectures = 23.22 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to placing Agricultural Economics as part of Economics; mention the Definition of Agriculture; mentions the Definition and Scope of Agricultural Economics 2. Students are able to describes the Types & Characteristics of Agriculture in Indonesia, describes the Contribution of the Agricultural Sector to the Indonesian Economy, describes Indonesian Agricultural Economic Problems. 3. Students are able to understand the Role of Land Resources in Agriculture 4. Students are able to understand the Role of Human Resources in Agriculture 5. Students are able to describe and conclude the Role of Capital in Agricultural Production 6. Students are able to describe and conclude Agricultural Institutions 7. Students are able to apply, propose, examine, and analyze the Demand and Supply of Agricultural Products 8. Students are able to apply, express, study, and analyze Agricultural Trade System

	9. Students are able to apply, present, examine, and analyze Agricultural Trade 10. Students are able to analyze Agricultural Product Trade Issues 11. Students are able to analyze Theory and Model of Agricultural Development 12. Students are able to analyze Agricultural Markets and Policies 13. Students can criticize the Government's Role in Agricultural Development 14. Students can create results of Agricultural Economics Research in scientific articles
Content	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	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	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
Date of last amendment	16 July 2021

Module designation	Fundamentals of Business
Code	ABI 401117
Semester (s) in which the module is taught	1st semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 36 Hours Self-study = 36 Hours Total : 100.67 hours = 4.43 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students able to understand the meaning, purpose, and difference between explaining the definition of business. 2. Students are able to understand the meaning and elements of the company and the social system. 3. Students are able to classify the form of Economic System. 4. Students are able to classify the Concept of Management in a Business 5. Students are able to classify and conceptualize Marketing Management and its Elements 6. Students are able to classify and analyze products and pricing 7. Students are able to classify and analyze distribution strategies 8. Students are able to classify, analyze and criticize the Promotion Strategies and Marketing Research 9. Students are able to analyze and evaluate Production and Operations Management

	10. Students are able to analyze and evaluate Human Resource Management 11. Students are able to conceptualize and created Promotion Strategies and Marketing Research 12. Students are able to analyze and evaluate various securities
Content	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	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	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.
Date of last amendment	16 July 2021

Module Name	Indonesian
Code	UNI 1004
Semester (s) in which the module is taught	2st semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Student are able to explain the birth of Indonesia 2. Student are able to explain the position, function, and legal force of the Indonesian language 3. Student are able explain various academic texts; explain the characteristics of academic texts 4. Student are able explain the structure of academic texts 5. Student are able to Use proper spelling and punctuation in academic texts 6. Student are able to Using effective sentences in academic texts 7. Student are able to understand the essence of paragraphs; understand and use paragraph elements; understand and use paragraph types 8. Student are able to use quotes in writing 9. Student are able to use bibliography in writing 10. Student are able to understand the characteristics of an essay 11. Student are able explain the structure of essay writing 12. Student are able to write essays 13. Student are able to present the resulting essay writing
Content	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 of Effective Sentences; Sentence Structure; Types of Sentences
	7. The Nature of Paragraphs; Paragraph Forming Elements; Types of Paragraphs; Requirements for a Good Paragraph; Techniques and Patterns of Paragraph Development
	8. Systematics of writing quotes
	9. Systematics of writing a bibliography
	10. Characteristics of an essay
	11. Essay writing structure
	12. Essay writing
	13. Presentation of the resulting essay writing
Examination forms	1. Essays questions
	2. Pratical works
	3. Oral presentation
Reading list	1. Rokhmansyah, A., Rijal, S., Puwanti. 2018. Bahasa Indonesia untuk Perguruan Tinggi. Unnes Press.
	2. Awaluddin. 2017. Pengantar Bahasa Indonesia untuk Perguruan Tinggi. Deepublish.
	3. Mukodas. 2020. Bahasa Indonesia Cendekia Mata Kuliah Wajib Umum Bahasa Indonesia. Penerbit Lindan Bestari.
Date of last amendment	30 June 2021

Module Designation	English
Code	UNI 10415
Semester (s) in which the module is taught	2nd semester/1st 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	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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	After completing the course, students will be able to: 1. Understanding and developing grammar structure to make an effective English sentence 2. Understanding and developing good paragraph 3. Understanding and developing Reading: strategies and Application 4. Understanding and developing listening to talks and note taking 5. Understanding and developing academic presentation and discussion
Content	1. Introduction and study agreement 2. Pronoun Referents 3. Adjective clause 4. use of words in sentences 5. Modifier Problems in sentences 6. Subject and predicate in sentences 7. Implied main idea 8. Making inference and drawing conclusion 9. Reading practices 10. Strategy for reading and Scientific learning

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	11. Specific information from spoken paragraph 12. Listening Practices
Examination forms	1. Essay exams 2. Multiple choice exams
Media employed	LCD, whiteboard, websites
Reading list	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.
Date of last amendment	21 December 2021

Module Name	Pancasila
Code	UNI 10509
Semester (s) in which the module is taught	1st semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Student are able to explain the concept and urgency of Pancasila education 2. Student are able to explain the dynamics and challenges of Pancasila education 3. Student are able to explain the concept and urgency of Pancasila in the current history of the Indonesian nation 4. Student are able explain the dynamics and challenges of Pancasila in the Study of the History of the Indonesian Nation 5. Student are able to explain the concept and urgency of Pancasila as the basis of the state 6. Student are able to explain the dynamics and challenges of Pancasila as the basis of the state 7. Student are able to explain the dynamics and challenges of Pancasila as the basis of the state 8. Student are able to explain the concept and urgency of Pancasila as a state ideology 9. Able to explain the dynamics and challenges of Pancasila as a state ideology 10. Student are able explain the concept and urgency of Pancasila as a philosophical system 11. Student are able explain the dynamics and challenges of Pancasila as a philosophical system 12. Student are able explain the concept and urgency of Pancasila as an ethical system

	13. Student are able explain the dynamics and challenges of Pancasila as an ethical system 14. Student are able explain the concept and urgency of Pancasila as the basis for the value of developing science 15. Student are able explain the dynamics and challenges of Pancasila as the basis for the value of science development
Content	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 3. Oral presentation
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.
Date of last amendment	30 June 2021

Module Designation	Research Methods
Code	PER 104117
Semester (s) in which the module is taught	2nd semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and classify three cardinal sins in research & scientific writings 2. Students are able to demonstrate the systematic steps in searching of research topics. 3. Students are able to conceptualize research & publication as a continuum 4. Students are able to conceptualize publications and academic profession. 5. Students are able to conceptualize and detail the discussion of student-selected issues. 6. Able to classify and conceptualize cardinal sins in research & scientific writings part 2 7. Students are able to conceptualize and evaluate systematic steps in searching of research topics part 2 8. Students are able to conceptualize and design publication as a continuum part 2 9. Students are able to conceptualize and design publications and academic profession part 2 10. Students are able to conceptualize and create discussion of student-selected issues part 2

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

Content	1. Three cardinal sins in research & scientific writings.
	2. Systematic steps in searching of research topics.
	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
	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.
Date of last amendment	16 July 2021

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

Module Designation	Fundamentals of Agronomy
Code	PAG 202116
Semester (s) in which the module is taught	2nd semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 28.33 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 103.33 hours = 4.13 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Capable of understanding, describing and explaining basic definition and scopes of agronomy. 2. Capable of understanding, describing and explaining the development of agricultural and the role of agronomy. 3. Capable of understanding, describing and explaining areas of origin and centers of crop production especially in Indonesia. 4. Capable of grouping the potential agronomic crops for certain agroecosystems. 5. Capable of understanding, describing and explaining the plant growth and development. 6. Capable of understanding, describing and explaining the effect of abiotic factors on plant growth and development and capable of providing solutions for each abiotic problems. 7. Capable of understanding, describing and explaining the effect of biotic factors on plant growth and development and capable of providing solutions for each biotic problems. 8. Capable of understanding, describing and

M O D U L E H A N D B O O K		explaining grouping and roles of growth regulator substances (GRS), enzymes, and vitamins. 9. Capable of understanding, describing and explaining the roles and procedure of plant breeding. 10. Capable of understanding, describing and explaining the process of plant propagation (sexual and asexual), and tissue culture. 11. Capable of understanding, describing and explaining the preparation of dry land, swamp land, and micr land especially in Indonesia. 12. Capable of understanding, describing and explaining the process of nurseries, seeding, and planting. 13. Capable of understanding, describing and explaining the cropping patterns and crop diversification especially in Indonesia. 14. Capable of understanding, describing and explaining the agricultural intensification, and agricultural extensification. 15. Capable of describing, explaining and providing sustainability of land resources/conservation, and utilization of agricultural waste. 16. Capable of understanding, describing and explaining the agricultural production facilities.
	Content	1. Basic definitions and scopes of agronomy. 2. Agricultural development and the role of agronomy. 3. Areas of origin and centers of crop production. 4. Agronomic plant grouping and examples 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	1. Quiz (essay) 2. Doing practical works (report) 3. Structured assignment (essay and paper) 4. Midterm (essay) 5. Final Exam (essay)
Reading list	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.
Date of last amendment	30 June 2021

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Module designation	Applied Computer
Code	ABI 601117
Semester (s) in which the module is taught	2th semester/1th year
Person responsible for the module	Dr. Ir. Maryadi, M.Si. Ir. Mirza Antoni, 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 98.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain introduction of applied computer science. 2. Students are able to understand and explain editing formatting the text. 3. Students are able to understand and explain creating tables, figures and table of contents. 4. Students are able to understand and implement pages and printing. 5. Students are able to summarizing the basic technique of using Ms. Excel. 6. Students are able to determining mathematical logical operations. 7. Students are able to determining statistics and finance. 8. Students are able to presenting graphics. 9. Students are able to explain basics of Ms. power point. 10. Students are able to explain import techniques, file settings, images and graphics. 11. Students are able to organizing text coloring design. 12. Students are able to organizing writing presentation settings.

	13. Students are able to organizing PDF document and the technical support. 14. Students are able to illustrating using database in data management.
Content	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	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	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.
Date of last amendment	16 July 2021

Module designation	Rural Sociology
Code	ABI 501117
Semester (s) in which the module is taught	2nd semester/1nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 98.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and describe the boundaries and scope of sociology. 2. Students are able to understand explaining the history of the development of sociology, characteristics of sociology. 3. Students are able to understand and explain the basics of system concepts in sociology. 4. Students are able to summarizing social processes in sociology. 5. Students are able to determining social groups in sociology. 6. Students are able to determining culture and society. 7. Students are able to determining social institutions in sociology. 8. Students are able to be able to criticizing social stratification in sociology.

	9. Students are able to reviewing social change in rural areas. 10. Students are able to Predicting Social Change and Development Theory (Modernization Perspective). 11. Students are able to Building Social Mobility. 12. Students are able to writing Social Problems in Rural Areas. 13. Students are able to analyze the preparation of the village's potential and economic system. 14. Students are able to design recommendations for rural development programs.
Content	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	1. Essays questions 2. Writing Case Paper 3. Oral presentation
Reading List	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.
Date of last amendment	16 July 2021

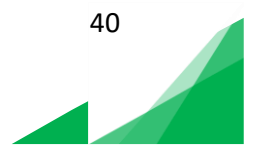|	
Module Designation	Micro Economics
Code	ABI 202117
Semester (s) in which the module is taught	2nd semester/1st year
Person Responsible for the Module	Dr. Ir. Laila Husin, M.Sc. Dr. Ir. Elisa Wildayana, M.Si. Dr. Ir. Lifianthi, M.Si.
Language	Indonesian
Relation to Curriculum	Compulsory Course
Teaching Methods	Contextual Learning, Cooperative Learning, Project Based Learning
Workload (incl. Contact hours, self-study hours)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 98.83 hours = 3.79 ECTS
Credit Points	3 credits
Required and Recommended Prerequisite for Joining the Module	-
Module Objectives/Intended Learning Outcomes	1. Students are able to uderstand the meaning of economics in general, microeconomics as a tool and method of analysis, and a group of decision-makers. 2. Students are able to categorize about activities Economics and Price Theory. 3. Students are able to compare demand, supply, and price. 4. Students are able to determine the concept of elasticity. 5. Students are able to examine about the theory of consumption: an approach with a function of usefulness. 6. Students are able to implement the theory of consumption: an approach with an indifference curve. 7. Students are able to integrate the theory of production: optimum level of production. 8. Students are able to experiment the theory of production: the combination of the lowest cost and the relationship between products . 9. Students are able to calculate the theory of production: production costs and supply.

	10. Students are able to correlate the theory of market forms: perfectly competitive markets. 11. Students are able to costruct the theory of market forms: imperfectly competing markets: Monopoly and Monopolistic. 12. Students are able to categorize the theory of market forms: duopoly and oligopoly. 13. Students are able to deconstruct the theory of market forms: monopsony and bilateral monopoly markets.
Content	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 Sructure: Perfect Competition Market 10. Theory of Market Sructure : Monopoly and Monopolistic Competition 11. Theory of Market Sructure: Duopoly and Oligopoly 12. Theory of Market Sructure: Monopsony Market and Bilateral Monopoly
Examination forms	1. Quiz (essay) 2. Doing practical works (report) 3. Structured assignment (essay and paper) 4. Midterm exam (essay) 5. Final exam (essay)
Reading List	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).
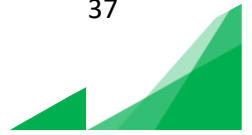
	Diktat Kuliah. Fakultas Pertanian Universitas Sriwijaya.
	5. Articles, paper and other sources from internet
Date of last amendment	16 July 2021

Module designation	Human Resource Management*
Code	ABI 302117
Semester (s) in which the module is taught	2nd semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to identify concept of human resource management. 2. Students are able to tabulate about social, legal and ethical aspects of human resources. 3. Students are able to summarize the Human Resource Development Process. 4. Students are able to interpret the functions of human resource management. 5. Students are able to estimate the strategy of Human Resource Empowerment. 6. Students are able to articulate the training and HR career development. 7. Students are able to determine the concepts of performance assesment. 8. Students are able to determine concepts of occupational health and safety. 9. Students can get to know and illustrate employee relations. 10. Students can get to know and integrate human resource management issues. 11. Students are able to validate the concepts of HR Management.

MODULE HANDBOOK

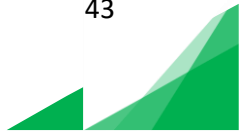|	
	12. Students are able to criticize the planning of selection and recruitment of human resources. 13. Students are able to reflete concepts in compensation strategies and practices. 14. Students are able to review concepts Non-fixed income and benefits Compensation.
Content	1. Human Resource Management 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 Carier 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	1. Essays and multiple-choice questions 2. Writing Project Paper 3. Oral presentation
Reading List	1. Robert L. Mathis, and John H. Jackson. 2006. Human Resources Management. Manajemen Sumberdaya Manusia. Ed. 10. Penerbit Salemba Empat. Jakarta. 2. Nadller, 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,Dll. 5. Amstrong Michael, 1990. "Seri Pedoman Manajemen : Manajemen Sumberdaya Manusia.". Alih Bahasa : Sofyan Cikmat & Hariyanto, Elek Media Komputindo, Jakarta.

| Date of last amendment | 16 July 2021 |

Module designation	Introduction to Agricultural Technology
Code	PER 106117
Semester (s) in which the module is taught	2nd semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recom mended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. To play a role as a proud citizen and love the homeland and support world peace 2. To be able to understand the latest issues in the field of Agricultural Technology in at the basic level 3. To be able to understand knowledge and technology in the field of Agricultural Technology including the development of professional practice through research studies to produce proven innovative work 4. To be able to understand the fields of Agricultural Technology as well as agricultural sciences for the development of agricultural operation systems.
Content	1. Fundamental aspect of Agricultural Technology (Agricultural system and product handling and Technology as drivingfoce in Agricultural Development) 2. The Main aspect of Agricultural Technology 3. General aspect of Land management and utilization in agricultural technology (I) 4. General aspect of Land management and utilization in agricultural technology (II) 5. Contribution of Tools and Machinery on

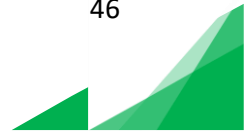|	
	Agricultural Technology 6. Element of Postharvest Technology on Agricultural 7. The value and technoeconomic principle of Agricultural Technology 8. General aspect of Agricultural Product Technology 9. Element of Product handling and processing 10. Fundamental aspect of agricultural product preservation 11. Value and brand image based on packaging 12. Fundamental aspect on agroindustrial system and management 13. Capita selecta: Agricultual technology on Indusrtial 4.0 14. Student Focus Group Discussion: Case study report-special topic
Examination forms	1. Oral presentation 2. Essay exam 3. Multiple choice exam
Reading List	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 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. 10. Wirakartakusumah, M.A., B. Nurtama, G.Priyanto dan M. Aprpah. 1992. Teknik Pangan Lanjut.

	Monograph. PAU Pangan dan Gizi IPB., Bogor.
Date of last amendment	16 July 2021

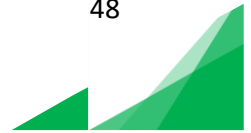|	
Module designation	Demography
Code	ABI 701117
Semester (s) in which the module is taught	3rd semester/2nd year
Person responsible for the module	Ir. Fauziah Asyiek, M.S., Ph.D. Ir. Maryanah Hamzah, M.Si. Dr. Dessy Adriani, SP, M.Si. Dr. Agustina Bidarti, SP., M.Si. Eka Mulyana, SP., M.Si.
Language	Indonesian
Relation to curriculum	Elective Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Student are able to identify and explain the concept definition of population science, population analysis, and sources of population data 2. Students are able to identify population composition and distribution 3. Students are able to identify the history of world population development and demographic transition 4. Students are able to organize various models about population data sources which include: (1) primary data (2) secondary data, as well as population information systems. 5. Students are able to interpret the birth certificate population theory 6. Students are able to calculate and interpret some of the demography 7. Students are able to calculate and evaluate fertility problems which include understanding, determining factors and basic measures 8. Students are able to calculate and interpret problems mortality of the population. 9. Students are able to understand and explain

	definitions and concepts, determinants and patterns of mortality, measurement of mortality and life expectancy.
	10. Students are able to categorize Population Mobility regarding the definition and concept of mobility, factors affecting population mobility, the impact of population mobility and measures of population mobility
	11. Students are able to explain the basic concepts of Migration including the understanding and types of migration, the basic measures of migration, causes of migration between countries, basic theories of migration between countries, and an overview of international migration for Indonesian workers
	12. Students are able to categorize the definitions and concepts of employment, the difference between the workforce, the labor force, and not the labor force, the theory of work intersections and unemployment.
	13. Students are able review population projections including their uses, methods, basic population projection data, and steps for preparing population projections
	14. Students can predict and build Population Policies including scope, population policy and population policies in different countries.
	15. Students are able to simulate and interpret of Family Planning Policy (KB) by looking at past family planning, new order kb, and current family planning programs as well as the implementation of family planning programs from religious, political, economic, social, and cultural perspectives in Indonesia.
Content	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

MODULE HANDBOOK

	10. Mobility of Population 11. Causes of Migration Countries 12. Employment 13. Population Projection 14. Policy of Demography 15. Family Planning Policy (KB)
Examination forms	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	1. Abdullah. 2007. Keterkaitan Kependudukan dan Lingkungan Hidup dalam Meningkatkan Kualitas Kehidupan. Jurnal Lingkungan Hidup. 3 (2): 89-101. 2. Adioetomo dan Samosir. 2013. Dasar-Dasar Demografi. Jakarta: Salemba Empat. 3. Ananta, A. 1993. Ciri Demografis Kualitas Penduduk Dalam Pembangunan Ekonomi. Lembaga Demografi. FEUI. Jakarta. 4. Barclay, G.W. 1984. Teknik Analisa Kependudukan. Jakarta: PT. Bina Aksara. 5. Coale, A.J. dan Hoover, E. 1955. Population Growth and Economic Development in Low Income Countries. 6. Mantra, I.B. 1991. Mobilitas Penduduk Sirkuler dari Desa ke Kota di Indonesia. Yogyakarta: Pusat Penelitian Kependudukan UGM. 4. Munir, R. 1981. Migrasi Dalam Dasar-Dasar Demografi. Jakarta: FEUI.
Date of last amendment	16 July 2021

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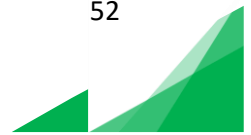| Module designation	Agribusiness Accounting and Finance
Code	ABI 403217
Semester (s) in which the module is taught	3th semester/2nd year
Person responsible for the module	Dr. Ir. Laila Husin, M.Sc. Dr. Ir. Lifianthi, M.Si. Ir. Yulius, M.M. Dr. Dessy Adriani, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Cased based Learning
Workload (incl. Contact hours, self-study hours)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain the Definition of Agribusiness Accounting and Financing. 2. Students are able to understand and compile Financial Statements and Transaction Recording. 3. Students are able to calculate, and compile Financial Structure: Report Balance Sheet. 4. Students are able to calculate and compile Income Analysis: Income Statement (LLR). 5. Students are able to calculate and analyze Cash Flow (Cash Flow). 6. Students are able to calculate and interpret Depreciation (Depreciation). 7. Students are able to explain and use, Cost Concepts and Cost Information Systems. 8. Students are able to prepare and calculate the Order Cost Calculation and Process Cost Calculation. 9. Students are able to calculate the Calculation of Combined and Side Product Costs. 10. Students are able to calculate and evaluate materials. 11. Students can calculate and use the Calculation and

		Control of Worker Costs.
		12. Students can get to use and simulate the calculation and Control of Factory Overhead Costs.
Content		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 (*Cash Flow*)
		6. Depreciation (Depreciation)
		7. Agribusiness Company Financing Concept, Cost System and Cost Calculation of Agribusiness Companies
		8. Calculatethe Cost of Orders And Processes of Agribusiness Companies
		9. Calculation of The Cost of Combined and Side Products of Agribusiness Companies
		10. Material: Agribusiness Company Cost Control and Calculation
		11. Workers: Agribusiness Company Planning and Control
		12. Overhead Factory: Agribusiness Company Planning and Control
Examination forms		1. Structured Question and Answer
		2. Field data collection, Report, Presentation and Discussion
Reading List		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.
Date of last amendment		16 July 2021

Module designation	Fundamental of Soil Science
Code	PTN 10115
Semester (s) in which the module is taught	3rd semester/2nd year
Person responsible for the module	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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 28.33 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 103.33 hours = 4.13 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to explain why soil is very important for agriculture. 2. Students are able to explain the definition and the soil genesis 3. Students are able to describe the factors soil forming and soil phases 4. Students are able to explain the soil components related to agriculture 5. Students are knowing the soil distribution and soil classification in Indonesia.

MODULE HANDBOOK

Content (14 meetings) and two examinations	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	1. Quiz (essay) 2. Doing practical works (report) 3. Structured assignment (essay and paper) 4. Midterm exam (essay) 5. Final exam (essay)
Reading List	1. Buckman, H.O. an 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.
Date of last amendment	30 June 2021

Module designation	Statistics
Code	PER 107217
Semester (s) in which the module is taught	3th semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain introduction of statistics. 2. Students are able to understand and explain of frequency distribution. 3. Students are able to understand and explain centering size. 4. Students are able to explain and interpret spread size. 5. Students are able to explain and interpret index number. 6. Students are able to explain and interpret periodic data. 7. Students are able to explain and interpret chance theory. 8. Students are able to explain and analyze of discrete probability spread. 9. Students are ble to explain and analyze normal spread. 10. Students are able to explain and interpret sample withdrawal theory. 11. Students are able to explain and analyze of parameter estimation. 12. Students are able to explain and interpret hypothesis

	test.
	13. Students are able to explain and analyze simple regression and correlation.
	14. Students are able to explain and analyze introduction to non parametric statistics management.
Content	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	1. Essays questions
	2. Multiple Choice
	3. Case Based Method
Reading List	1. Ronald E. Walpole: *Pengantar Statistika*
	2. Sri Mulyono: *Statistika untuk Ekonomi*
	3. M. Iqbal Hasan: *Pokok-pokok Materi Statistika I*
Date of last amendment	16 July 2021

Module designation	Agribusiness System
Code	ABI 402217
Semester (s) in which the module is taught	3rd semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand agribusiness system in general (introduction, agribusiness and agro-industrial system, agribusiness system study approach, vertical integration & horizontal agribusiness system). 2. Students are able to understand agribusiness meaning (regional unit perspective, investment unit perspective, company unit perspective). 3. Students are able to define agribusiness diversity (agro-ecosystem diversity, infrastructure diversity, commodity diversity). 4. Students are able to describe agribusiness management (agribusiness management functions, planning functions, organizing functions, implementation functions, supervisory functions, evaluation functions, control functions). 5. Students are able to interpret 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. Students are able to implement 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. Students are able organize 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. Students are able to examine marketing functions (role marketing functions, the complexity of marketing systems varies between different commodities, description of marketing functions).
	9. Students are able to examine agribusiness risk (risk in agribusiness, managing risk in agribusiness).
	10. Students are able to critique agribusiness technology (scope of agribusiness technology management, technology in agribusiness, development and application of biotechnology in agribusiness).
	11. Students are able organized Institutions supporting Agribusiness (institutions supporting agribusiness development, the role of agribusiness development support institutions).
	12. Students are able to develop concept of agro-industry in the national economy (agro-industry & agroindustry that is sustainable, absorbing labor, increasing the acquisition of export foreign exchange, increasing investment, giving rise to new industries).
	13. Students organized and developed agribusiness investment planning (technical feasibility study, financial feasibility study, ecological feasibility study).
Content	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 in agribusiness, development and application of biotechnology in agribusiness).

11. Institutions supporting Agribusiness (institutions supporting agribusiness development, the role of agribusiness development support institutions).

	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). Agribusiness investment planning (technical feasibility study, financial feasibility study, ecological feasibility study).
Examination forms	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	1. James G. B., Kenneth, C. S., and Donald, D. O. 2008. Prinsiples 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..
Date of last amendment	16 July 2021

Module designation	Macro Economics
Code	ABI 203217
Semester (s) in which the module is taught	3rd semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	Introduction to Agricultural Economics/3 credit
Module objectives/intended learning outcomes	1. Students are able to identify Basic Concepts related to Macroeconomics. 2. Students are able to understand national income. 3. Students are able to understand the History of the Development of Macroeconomic Theory. 4. Students are able to identify Basic Concepts related to Macroeconomics. 5. Students are able to interpret the economic balance of 3 sectors. 6. Students are able to interpret the open economy. 7. Students are able to examine the AD-AS balance. 8. Students are able to examine the IS-LM balance. 9. Students are able to examine characteristics of money, financial institutions and money supply. 10. Students are able develop policy of unemployment, inflation, and fiscal. 11. Students are examine Exchange Rates and Balance of Payments. 12. Students are able to examine the causes of Economic Growth and Development.

Contents	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	1. Assignments 2. Quizes 3. Examinations 4. Class discussion
Reading List	1. Sukirno, Sadono. 2015. Pengantar Teori Makro Ekonomi. Rajawali Press. Jakarta. 2. Mankiw. 2006. Macroeconomics. 7th edition. Salemba Empat Jakarta.
Date of last amendment	16 July 2021

Module Designation	Agroclimatology
Code	PAG 20116
Semester (s) in which the module is taught	3rd semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Capable of understanding, describing and explaining the basic definition of agroclimatology. 2. Capable of understanding, describing and explaining the role of climate for agriculture. 3. Capable of understanding, describing and explaining the description of climate and weather elements (atmosphere, radiation, temperature, humidity, air pressure, wind, clouds, rain, evapotranspiration) and the relationship between agricultural classification, rainfall, and climate in Indonesia. 4. Capable of understanding, describing and explaining solar radiation, air temperature, temperature and plant growth, air pressure and wind, humidity, hydrological cycle, clouds, and rain. 5. Capable of understanding, describing and explaining climate classification, tropical climate and climate in Indonesia 6. Capable of understanding, describing and explaining global warming and climate change. 7. Capable of understanding, describing and explaining the effect of climate on pests and plant diseases. 8. Capable of understanding, describing and explaining

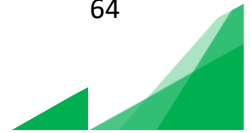|	
	adaptation to climate change.
	9. Capable of understanding, describing and explaining agroclimate suitability for agriculture, climate modification.
	10. Capable of understanding, describing and explaining measurement of weather and climate elements.
	11. Capable of understanding, describing and explaining La-nina and El-nino and their impact on agricultural production, Indonesian climate
Content	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.
	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
Examination forms	1. Essays questions
	2. Pratical works
	3. Writing Case Paper
	4. Oral presentation
Reading list	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. Veeranjaneyulu., 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
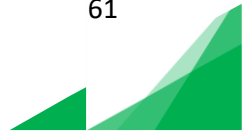
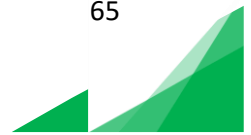| | Agriculture. CRC Press. |
| | 7. Pritchard, S.G., Amthor, J.S. 1984. Crops and Environmental Change. Food Products Press. |
| Date of last amendment | 30 June 2021 |

Module designation	Community Empowerment
Code	ABI 702217
Semester (s) in which the module is taught	2nd semester/1st 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 28.33 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 103.33 hours = 4.13 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand the meaning of community empowerment 2. Students are able to understand the conceptual basis of community empowerment 3. Students are able to remember the philosophy of community empowerment principles. 4. Students are able to remember the conditions for achieving the goals of community empowerment. 5. Students are able to apply the scope and stages of community empowerment activities. 6. Students are able to apply strengthening the capacity of community empowerment. 7. Students are able to apply community empowerment approaches and methods. 8. Students are able to analyze the perspective of empowerment and sustainable development. 9. Students are able to analyze the role of government in community empowerment. 10. Students are able to analyze community empowerment assistance programs. 11. Students are able to analyze and design community empowerment programs. 12. Students can implement and evaluate monitoring and evaluation in community empowerment programs.

	13. Students are able to analyze and evaluate strategies and success of community empowerment. 14. Students are able to create various models of community empowerment.
Content	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	1. Essays questions 2. Writing Project Paper 3. 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.
Date of last amendment	16 July 2021

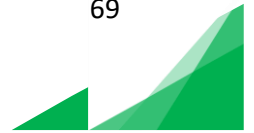| Module designation	Supply Chain and Value Chain Management
Code	ABI 303217
Semester (s) in which the module is taught	3rd semester/2nd year
Person responsible for the module	Dr. Ir. Elisa Wildayana, M.Si. Dr. Ir. Lifianthi, M.Si. Dr. Ir. Amruzi Minha, M.Si. Dr. Agustina Bidarti, SP., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Case Base Learning
Workload (incl. Contact hours, self-study hours)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and internalize Supply Chain Management (SCM) Theory, SCM definition and RL, Supply Chain Network, SCM Strategy, SCM components, The main goal of SCM, SCM process. 2. Students are able to define SCM Success and SCM Access Meaning, Comparison of SCM and DCM, SCM and DCM collaboration. 3. Students are able to memorize History of SCM, Background to the emergence of SCM, Comparison of SCM and Logistics Management 4. Students are able to understand SCM concept, SCM Principles, SCM activity and SCM Strategy 5. Students are able to understand and analyze SCM benefits, Measuring SCM Performance, SCM in The Future, Trends in International SCM. 6. Students are able to apply and analyze SCM Uncertainty Factor, Bullwhip Effect (BE) and SCM problem. 7. Students are able to apply, utilize SCM Solutions and Problems.

	8. Students are able to analyze, The role of supplier management in SCM, The role of production management in SCM, The role of logistics management in SCM.
	9. Students are able to analyze Definition of procurement, The role of procurement in SCM, Procurement Activities in SCM, Contract, Procurement Decision (Decision to procure), Procurement lead times, Appreciation of Domestic Product, Partnership Contracts (Strategic Alliances), Total Cost of Ownership (TCO), Original Equipment Manufacturer (OEM), Procurement One, Centralized vs decentralized procurement, Manufacturers vs Traders, International suppliers vs national suppliers, and Brand names vs generics.
	10. Students are able to evaluate The role of freight transport and The role of warehouse management in SCM.
	11. Students are able to manage and develop and The role of distribution management in SCM.
	12. Students are able to manage and develop The role of customer management in SCM, The role of inventory management in SCM, and The role of materials management in SCM.
	13. Students can apply and utilize to know and understand Value chain concept, Value chain potential and constraints.
	14. Students are able to integrate concepts and practices regarding The role of requirements forecasting management in SCM, The role of information management in SCM, The role of quality management in SCM, and The role of environmental management in SCM.

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Content	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	1. Essays questions
	2. Writing paper
	3. Photographs collection on agricultural objects
Reading List	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
Date of last amendment	16 July 2021

Module designation	Managerial Economic
Code	ABI 204217
Semester (s) in which the module is taught	3th semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to remember the definition of profit and market management Students are able to remember and explain demand and supply in market balance 2. Students are able to understand and explain marginal analysis in the optimal decision-making process 3. Students are able to understand the basic estimation techniques 4. Students are able to demonstrate the theory of consumer behavior 5. Students are able to interpret elasticity and demand 6. Students are able to compare between estimation, demand, and forecasting 7. Students are able to examine short-term production costs 8. Students are able to examine long-term production costs 9. Students are able to calculate production and estimated costs 10. Students are able to explain management decisions in a competitive market

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	11. Students are able to explain management decisions in companies with market forces 12. Students are able to create decision-making strategies in the oligopoly market 13. Students are able to create the simulation of pricing techniques 14. Students are able to investigate risky and uncertain decision-making processes
Content	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	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading Li st	Main: 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. Lincolin 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.
Date of last amendment	16 July 2021

Module designation	Agricultural Extension
Code	ABI 502217
Semester (s) in which the module is taught	4rd semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain the history of agricultural extension. 2. Students are able to understand and explain the meaning, definition and scope of agricultural extension. 3. Students are able to define the philosophy and goals of agricultural extension. 4. Students are able to identify various meanings, types and principles in applying agricultural extension methods. 5. Students are able to interpret the classification of agricultural extension methods. 6. Students are able to explain the meaning and types of media in agricultural extension activities. 7. Students are able to develop agricultural extension material. 8. Students are able to demonstrate communication in agricultural extension. 9. Students are able to determine agricultural extension institutions. 10. Students are able to analyze the diffusion of

	agricultural innovations. 11. Students are able to creat a concept the preparation of plans in agricultural extension. 12. Students are able to analyze the revitalization of agricultural extension. 13. Students are ble to analyze and evaluate agricultural extension systems in the era of regional autonomy. 14. Students are able to differentiate agricultural extension in the digital era.
Content	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	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	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. Alphabet. Bandung. 5. Mardikanto, Totok. 2009. Agricultural Extension System. LPP and UPT Publishing and Printing. UNS.
Date of last amendment	16 July 2021

Module designation	Information Technology and Multimedia
Code	ABI 703217
Semester (s) in which the module is taught	4th semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand the meaning of multimedia information technology and its constituent elements. 2. Students are able to understand and explain information technology in a communication perspective. 3. Students are able to explain the concept and practice of visual communication. 4. Students are able to classify caricatures as a medium of communication. 5. Students are able to recognize and practice radio in multimedia communication. 6. Students are able to interpret the use of radio in multimedia-based communication. 7. Students are able to demonstrate the methods and steps of making films. 8. Students are able to demonstrate the methods and steps of making films. 9. Students are able to demonstrate the ways and steps to create a blog. 10. Students are ble to use the basic sciences of photography.

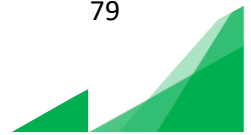|	
	11. Students are able to use photography. 12. Students are able to recognize and analyze multimedia application practices that have been practice.
Content	1. Introduction: Understanding Multimedia Communication Technology and Multimedia Program Elements 2. Information Technology and Multimedia in the Perspective of Communication Science 3. Visual Communication 4. Caricature as a Communication Media 5. The use of Multimedia Communication Technology and Multimedia in Agribussiness 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	1. Essays questions 2. Doing practical works 3. Video and Movie Project 4. Oral presentation
Reading List	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
Date of last amendment	16 July 2021

Module designation	Agribusiness Social Organization and Leaderships
Semester (s) in which the module is taught	4th semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand the definition of social organization and agribusiness leadership. 2. Students are able to understand the basics and objectives of forming social organizations. 3. Students are able to understand and explain elements in social organizations. 4. Students are able to understand and explain the types, forms and types of social organizations. 5. Students are able to understand the structure and mechanism of decision making in social organizations. 6. Students are able to understand, interpret and apply good communication in organizations. 7. Students are able to identify organizational behaviour. 8. Students are able to elaborate and apply procedures for making changes and organizational development. 9. Students are able to interpret Leadership Theories. 10. Students are able to interpret the Leadership Philosophy.

		11. Students are able to explain the Types of Leadership.
		12. Students interpret the effectiveness of Agribusiness leadership.
		13. Students are able to compare theories of power and conflict.
		14. Students are able to compare distinguish between leaders and managers and are able to apply how to become leaders and/ or managers.
	Content	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	1. Essays questions
		2. Writing Project Paper
		3. Oral presentation
	Reading List	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.
	Date of last amendment	16 July 2021

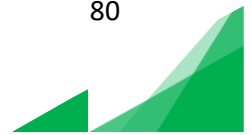|	
Module designation	Economy of Agribusiness Institutions
Code	ABI 205217
Semester (s) in which the module is taught	4th semester/2nd year
Person responsible for the module	Dr. Ir. M. Yamin,M.P. Dr. Ir. Amruzi Minha, M.S. Dr. Riswani, S.P., M.Si. Dr. Ir. Yunita, M.Si. Dr. Dessy Adriani, S.P., M.Si.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, Project based Learning
Workload (incl. Contact hours, self-study hours)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to describe Economic Development and institutional economic position. 2. Students are able to describe the understanding and space of the institutional economics context. 3. Students are able to put forward the paradigm of institutional economics. 4. Students are able to analyze transaction costs and can relate to economic theory. 5. Students are able to design Collective Activities and connect them with contract theory. 6. Students are able to decide on choices rationally. 7. Students are able to determine and assess the ownership rights of a person. 8. Students are able to plan and analyze the external impact of an activity. 9. Students are able to prove phenomenon connected social capital. 10. Students are able to detect and predict institutional changes. 11. Students are able to connect institutional economics with economic growth.

	12. Students are able to connect institutional economics with economic systems. 13. Students are able to connect the economic crisis with the institutional economy. 14. Students are able to combine the institutional finance sector with the development of the village.
Content	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	1. Essays questions 2. Paper Assigement
Reading List	1. Yustina, A. Erani. 2010. Ekonomi Kelembagaan : Paradigma, Teori, dan Kebijakan. Gramedia. Jakarta. 2. Kasper, Wolfgang dan Manfred E. Streit. 1998. *Institutional Economics: Social Order and Public Policy,* Cheltenham. Edward Elgar. UK. 3. Willamson, Oliver E. 1985. The Economic of Institutions of Capitalism. The Free Press. New York.
Date of last amendment	16 July 2021

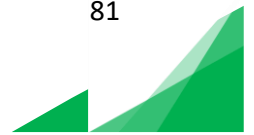| Module designation	Strategic Management and Agribusiness Policy
Code	ABI 305217
Semester (s) in which the module is taught	4th semester/2nd year
Person responsible for the module	1. Prof.Ir.H.Fachrurrozie Sjarkowi, M.Sc., Ph.D 2. Dr.Ir.M.Yamin, M.P 3. Dr.Ir.Najib Asmani, M.Si 4. Dr. Ir.Idham Alamsyah, 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 (credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain agribusiness management (the business of agribusiness and economics for agribusiness managers). 2. Students are able to understand and explain of agribusiness management (the organization of an agribusiness and International agribusiness). 3. Students are able to understand and explain human resource management for agribusiness (managing organizational structure). 4. Students are able to apply human resource management for agribusiness (Managing human resources in agribusiness). 5. Students are able to analyze the historical and theoretical setting (A Perspective on the Evolution and Status of Micro-modeling in Agricultural Economics). 6. Students are able to analyze the historical and theoretical setting (Farm Decisions, Adaptive Economics, and Complex Behavior in Agriculture). 7. Students are able to correlate Macro-Micro

		Relationships (Complementarities Between Micro- and Macro-Systems Simulation and Analysis).
		8. Students are able to illustrate Macro-Micro Relationships (Understanding and Human Capital as Outputs of the Modelling Process).
		9. Students are able to validate implications of national agricultural policies.
		10. Students are able to evaluate Institutions and Implications for Micromodels (Financing Growth and Adjustment of Farm Firms Under Risk and Inflation: Implications for Micro-modeling).
		11. Students are able to evaluate of Institutions and Implications for Micromodels (Tax and Other Legal Considerations in the Organization of the Farm Firm).
		12. Students are able to predict Risk Management in Models of the Farm (Cash Flow, Price Risk, and Production Uncertainty Considerations).
		13. Students are able to create Risk Management in Models of the Farm (Modelling- Farm Decision making to Account for Risk).
		14. Students are ble to create Simulation Models (Farm-Level Continuous Optimization Models for Integrated Policy Analysis And A Multiple-Farm Opportunity Set Simulation Model).

Content		1. Agribusiness management (2 – Meetings)
		  a. The business of agribusiness
		  b. Economics for agribusiness managers
		  c. The organization of an agribusiness
		  d. International agribusiness
		
		2. Human resource management for agribusiness (2 – Meetings)
		  a. Managing organizational structure
		  b. Managing human resources in agribusiness
		
		3. The Historical and Theoretical Setting (2 – Meetings)
		  a. A Perspective on the Evolution and Status of Micromodeling in Agricultural Economics
		  b. Farm Decisions, Adaptive Economics, and Complex Behavior in Agriculture

	4. Macro-Micro Relationships (2 – Meetings)
	   a. Complementarities Between Micro- and Macro-Systems Simulation and Analysis
	   b. Understanding and Human Capital as Outputs of the Modeling Proces
	
	5. Implications of National Agricultural Policies (1-Meetings)
	
	6. Institutions and Implications for Micromodels (2 – Meetings)
	   a. Financing Growth and Adjustment of Farm Firms Under Risk and Inflation: Implications for Micromodeling
	   b. Tax and Other Legal Considerations in the Organization of the Farm Firm
	
	7. Risk Management in Models of the Farm (2 – Meetings)
	   a. Cash Flow, Price Risk, and Production Uncertainty Considerations
	   b. Modeling Farm Decisionmaking to Account for Risk
	
	8. Simulation Models (2 – Meetings)
	   a. Farm-Level Continuous Optimization Models for Integrated Policy Analysis A Multiple-Farm Opportunity Set Simulation Model

Examination forms	1. Essays questions 2. Writing Project Paper 3. Oral presentation 4. Discussion
Reading List	Main : 1. Sjarkowi, F. (2020). Manajemen Niagaperta Kerakyatan. Mempertautkan Hubungan Organik Kinerja Orang Tani Pedesaan dan Kinerja Pengusaha Agribisnis Maju di Bumi Nusantara, 1. 2. Baum, K. H. (1983). Modeling farm decisions for policy analysis. Westview Press. eBook Published (2019). Support: 1. Schultz, T. (1977). Distortions of agricultural

	incentives. Indiana University, Bloomington, IN, US.
	2. Barnard, F. L., Foltz, J., Yeager, E. A., & Brewer, B. (2020). *Agribusiness management*. Routledge.
Date of last amendment	16 July 2021

Module designation	Farm Management
Code	ABI 304217
Semester (s) in which the module is taught	4rd semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain the meaning and scope of farming management. 2. Students are able to understand and explain the differences between farming and agribusiness. 3. Students are able to understand the classification of farming. 4. Students can know and understand farming patterns. 5. Students can know and analyze the types and patterns of farming. 6. Students are able to analyze the structure of farming. 7. Students are able to categorate and explain farming planning. 8. Students are able to analyze the factors of production in farming. 9. Students are able to analyze land management in farming. 10. Students are able to analyze capital in farming. 11. Students are able to analyze the role of human

	resources in farming.
	12. Students are able to evaluate the planning of farming costs.
	13. Students are able to evaluate farming income.
	14. Students are able to adapt and of farming research.
Content	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	1. Essays questions
	2. Writing Project Paper
	3. Oral presentation
Reading List	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.
Date of last amendment	16 July 2021

Module Designation	Fundamental of Plant Protection
Code	PER 110217
Semester (s) in which the module is taught	4th semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to accurately explain about scope of crop protection and able to recognize pests and damages they cause on crops. 2. Students are able identify mite and mice as crop pest and able to describe their biology, behavior, impact on crop, and control. 3. Students are able to identify pig, bird, and snail as pest of crops and able to describe their biology, behavior, impact on crop, and control. 4. Students are able to explain how to control insects using and biological control techniques. 5. Students are able to explain how to control insects by using resistant variety, and applying physical and mechanical control techniques. 6. Students are able to explain how to control insects by implementing plant quarantine, and how to apply pesticide appropriately

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	7. Students are able to explain how to prepare and apply sterile male to control insect and adle to describe integrated pest management.
	8. Students are able to describe the disturbance caused by microorganisms on crops and its impact on yield losses.
	9. Students are able to describe various disease symptoms caused by various pathogens
	10. Students are able to describe general characteristics of plant pathogenic fungi, including their interaction with their host.
	11. Students are able to describe general characteristics of plant pathogenic bacteria, including their interaction with their host.
	12. Students are able to describe general characteristics of plant pathogenic viruses and nematodes, and their interaction with plant.
	13. Students are able to explain how to control plant pathogens using exclusion, eradication physical and cultural techniques.
	14. Students are able to explain how to apply pesticide correctly, effectively, efficiently, safely and environmentally friendly.
Content	1. Scope of crop protection; insect as crop pest and the impact of their attack to crops.
	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	1. Quiz (essay)
	2. Doing practical works (report)
	3. Structured assignment (essay and paper)
	4. Midterm exam (essay)
	5. Final exam (essay)
Media employed	LCD, whiteboard, websites
Reading list	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.
Date of last amendment	30 June 2021

Module designation	Agribusiness Communication
Code	ABI 503217
Semester (s) in which the module is taught	4th semester/2nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 110.67 hours = 4.43 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain the meaning and scope of Agribusiness communication. 2. Students are able to describe effective communication. 3. Students are able to identify Agribusiness Communication Methods and Media. 4. Students can to interpret the Principles and Barriers of Communication. 5. Students can to use how to apply Communication in Agribusiness Product Marketing. 6. Students can to use Product Packaging Agriculture. 7. Students can to analyze the importance of marketing display and Pricing Strategy. 8. Students can to examine design digital content in Agribusiness communication. 9. Students can design and practice creating Digital Content. 10. Students are able appraise digital platforms in marketing agricultural products.

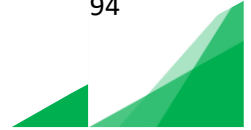|	
	11. Students are able to develop a digital marketing platform for agricultural products. 12. Students are able to appraise negotiation techniques in agribusiness communication. 13. Students are able to value Business Message Planning in the context of agribusiness. 14. Students are able to desaign importance of homework inagribusiness and practice their strategic.
Content	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	1. Essays questions 2. Doing practical works 3. Video/Movie/Digital Content Project 4. Oral presentation
Reading List	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.
Date of last amendment	16 July 2021

Module designation	Sharia Economics
Code	ABI 206217
Semester (s) in which the module is taught	4th semester/2nd year
Person responsible for the module	Prof. Dr. Ir. Facrurrozie 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand introduction: basic concepts of Islamic economics 2. Students are able to identify of characteristics & design Islamic economic system 3. Students are able to to interpret of Islamic consumption theory 4. Students are able to explain Islamic production theory 5. Students are able to interpret Islamic market mechanism 6. Students are able to relate distribution in the Islamic economy 7. Students are able to compare distribution Instruments in the Islamic economy 8. Students are able to appraise of Islamic Fiscal Policy 9. Students are able to select monetary in Islam 10. Students are able to critique sharia banks : types of fund receipt agreements, financing and services 11. Students are able to value other islamic financial institutions 12. Students can get to construct islamic economy &

	industrial revolution 4.0
Content	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	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
Date of last amendment	16 July 2021

Module designation	International Economics
Code	ABI 207317
Semester (s) in which the module is taught	5th semester/3rd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand of introduction: understanding, scope, and role. 2. Students are able to understand and explain of pre-classical theory (mercantilism). 3. Students are able to understand and explain classical theory: absolute advantage (adam smith). 4. Students are able to understand and explain classical theory: comparative advantage (David Ricardo). 5. Students are able to understand and explain modern theory: heckscher-ohlin. 6. Students are able to understand and explain other modern theory. 7. Students are able to understand and explain current theory. 8. Students are able to understand and explain of international economic policy. 9. Students are able to understand and explain international economic policy instruments. 10. Students are able to understand and explain international economic cooperation. 11. Students are able to understand and explain of international monetary system.

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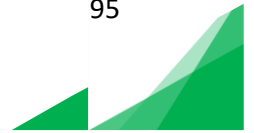
	12. Students are able to understand and explain foreign exchange and exchange rate. 13. Students are able to understand and explain international financing and payments. 14. Students are able to understand and explain balance of payments.
Content	1. Introduction: Understanding, Scope, and Role 2. Pre-Classical 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	1. Essays questions 2. Writing Case Paper 3. Oral presentation
Reading List	1. Ekonomi Internasional Buku Kesatu Teori dan Kebijakan Perdagangan Internasional. Dr. Hamdy Hady. 2015 Ghalia Indonesia. 2. Ekonomi Internasional Buku Kedua Teori dan Kebijakan Keuangan Internasional. 2015. Dr. Hamdy Hady. Ghalia Indonesia. 3. An Introduction to International Economics. Dominick Salvatore. 2012. John Wiley & Sons, Inc.
Date of last amendment	16 July 2021

Module designation	Development Sociology
Code	ABI 505317
Semester (s) in which the module is taught	5th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand the material plan course learning in general and method learning as well study contract 2. Students are able to explain meaning and scope Sociology of development and Difference with Other Fields of Science 3. Students are able to define perspective Deep classic development 4. Students are able to identify perspective Deep contemporary development 5. Student is able to interpret rural development 6. Students are able to describe various agrarian reform approaches as agricultural development strategies 7. Students are able to describe various principles, strategies and indicators of sustainable development 8. Students are able to describe various theories of human development through community empowerment. 9. Students are able to implement the process industrialization 10. Students are able to describe various concepts of population and development.

		11. Students are able to compare concepts of development dynamics
		12. Students are able to organize Ethnodevelopment in development
		13. Students are able to describe open economic development strategies, industrialization, green revolution, redistribution, socialism, and self-sustaining development strategies.
		14. Students are able to describe various human concepts in changing society
	Content	1. Inter-Sociology of Development
		2. The theoretical concepts of ontomology, epistomology 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	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.
Date of last amendment	16 July 2021

Module designation	Statistic for Social and Economic Studies
Code	ABI 602317
Semester (s) in which the module is taught	5th semester/3nd 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	Compulsory Course
Teaching methods	Contextual Learning, Cooperative learning, project based Learning
Workload (incl. Contact hours, self-study hours)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are expected to be able to understand, apply and differentiate hypothesis testing techniques. 2. Students are able to define parameteric statistical test techniques for cases of one population. 3. Students are able to classify parametric statistical test techniques for cases of two populations. 4. Students are able to describe Parametric and Non-Parametric Statistics, one of which is through the normality test. 5. Students are able to emplement non-parametric statistical test techniques for single sample data cases. 6. Students are able to use non-parametric statistical test techniques for cases where two sample data are related. 7. Students are able to differentiate non-parametric statistical test techniques for two independent sample data cases. 8. Students are able to examine non-parametric statistical test techniques for data cases of more than two related samples.

		9. Students are able to compare non-parametric statistical test techniques for cases of data with more than two independent samples. 10. Students are able to evaluate statistical test techniques to check independence and homogeneity. 11. Students are able to formulate correlation test techniques to measure two-way relationships
	Content	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	1. Essays questions 2. Writing Project Paper 3. Oral presentation
	Reading List	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.
	Date of last amendment	16 July 2021

Module name	Agribusiness Production Management
Code	ABI 306317
Semester (s) in which the module is taught	5th semester/2nd 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	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand the meaning and scope of production management 2. Students are able to explain how to plan, develop and design products 3. Students are able to identify the operational process strategy, technology selection, capacity concept, capacity planning. 4. Students can know and to implement forecasting methods in operations management; manufacturing process technology; model and capacity planning; managing capacity changes; location facility planning; transportation theory. 5. Students can know and understand how to apply forecasting methods in operations management; manufacturing process technology; model and capacity planning; managing capacity changes; location facility planning; transportation theory. 6. Students are able to interpret the factors in choosing a location Determination Method, Service Location Strategy. 7. Students are able to differentiate the concept of

	material handling and the concept of lay out.
	8. Students are able to analyze the concepts used in labor management in agribusiness production activities.
	9. Students are able to appraise quality standards, types of quality and ISO in agribusiness production management.
	10. Students are able to evaluate the types of quality standards and ISO and their implementation.
	11. Students are able to select material requirements planning and Just In Time in inventory.
	12. Outlining Material Requirements Planning and Just In Time Inventory (continued).
	13. Students are able to select the concept of clean production in production management.
Content	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 Clean production concept
Examination forms	1. Write essays
	2. Doing practical works
Reading List	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.

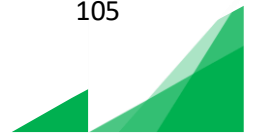|	
	Operations Management in Agriculture. Academic Press,. 3. Fahmi, Irham. 2012. Manajemen Produksi dan Operasi. PT. Alfabeta. Bandung. 4. Heizer dan Barry R. 2010. Manajemen Operasi Buku 2 . Salemba Empat. Jakarta. 5. Subagyo, P. 2000. Manajemen Operasi.BPFE. Yogyakarta. 6. Tampubolon, M.P. 2004. Manajemen Operasional. Ghalia Indonesia. Jakarta
Date of last amendment	16 July 2021

Module designation	Agribusiness Feasibility Analysis
Code	ABI 404317
Semester (s) in which the module is taught	5th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 39.67 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 114.67 hours = 4.59 ECTS
Credit points	4 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explaining the meaning and scope of agribusiness business design 2. Students are able to understand and find techniques for agribusiness business ideas 3. Students are able to explain and determine the agribusiness cycle 4. Students are able to calculate and apply the theory of time value of money 5. Students are able to determine and apply the aspects of the Feasibility Analysis of Agribusiness 6. Students are able to determine and apply market analysis and marketing strategies 7. Students be able to calculate and apply various investment criteria section 1 8. Students be able to calculate and apply various investment criteria section 2 9. The student be able to build Agribusiness Feasibility Analysis Report Preparation Format 10. Students are able to collect data to bulid an integrated Feasibility Study (FS)

	11. Students able to design an integrated Feasibility Study (FS) section 1 12. Students are able to design an integrated Feasibility Study (FS) Feasibility Study (FS) section 2
Content	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
Examination forms	1. Essays questions 2. Writing Project Paper 3. Paper Assigement and Oral presentation
Reading List	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.
Date of last amendment	16 July 2021

Module designation	Natural Resource Economics
Code	ABI 208317
Semester (s) in which the module is taught	5th semester/3rd year
Person responsible for the module	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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain Resource Economics & Its Context with General Economics. 2. Students are able to categorize the Definition and Scope of Natural Resource Economics (SDA). 3. Students are able to explain Natural Resources Categories and Physical & Social Dimensions in Their Management. 4. Students are able to compare, and explain the Requirements for Managing Natural Resources by Private Business Actors via HPK. 5. Students are able to determine the Causes & Forms of Violations by Business Actors and Residents. 6. Students are able to integrate the Signals and Methods of Natural Resources Allocation as Pre-management Information on Natural Resources. 7. Students are able to integrate Natural Resource Management Signs and Methods in a Professional & Principle-abiding manner. 8. Students are able to deconstructe the Role of

	Government & Local Government in Ecosystem & Natural Resources Management in it. 9. Students are able to illustrate the Dimensions of Environmentally Friendly National Development Planning. 10. Students are able to integrate Environmental Law and the Economic Consequences of Violations. 11. Students will illustrate and validate the Coase Theorem Concepts and Logic; the nature of Pareto Optimal; and Optimization of Development Achievements.
Content	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	1. Essays questions 2. Writing Project Paper 3. Oral presentation

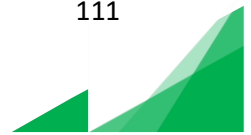| Reading List	1. Randall, A. (1987). Resources Economics; An Economic Approach to Natural Resource and Evironmetal Policy. John Wiley & Sons Inc. 2nded. 2. Sjarkowi, F. (2016). Ekonomi Sumber Daya Alami dan Lingkungan. Edisi Kedua. Palembang, Balad Grafiti Press. 3. Pearce, D & Moran, D. (1994). The Economic Value of Biodiversity. Earthscan Publications Ltd, London. 4. Randall, A. (1987). Resources Economics; An Economic Approach to Natural Resource and Evironmetal Policy. John Wiley & Sons Inc. 2nded.
Date of last amendment	16 July 2021

Module designation	Agribusiness Production Economics
Code	ABI 209317
Semester (s) in which the module is taught	5th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Understanding the theoretical and quantitative economic relations of agribusiness production. 2. Explaining production with one variable input. 3. Interpreting the profit maximization from the input side 4. Calculating the profit maximization from the output side 5. Determine production and the relationship between variable inputs 6. Implementing the optimal combination of using two variable inputs without constraints 7. Integrating the optimal combination of using two variable inputs with constraints 8. Integrating the technical aspects of production with two variable inputs 9. Calculating the Cobb-Douglass function and its modifications. 10. Deconstructing the efficient use of factors of production. 11. Integrating the production and the relationship between outputs. 12. Measuring the optimal combination of two outputs

	with constraints. 13. Deconstructing the use and application of economic theory of agribusiness production.
Content	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).
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 Produki Pertanian (Analisis Secara Teoritis dan Kuantitatif), 2008. Laila Husin dan Lifianthi. 3. Production Economics. Theory with Applications. 2ND 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.
Date of last amendment	16 July 2021

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

Module designation	Mass Communication
Code	ABI 503617
Semester (s) in which the module is taught	5th semester/3rd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 36 Hours Self-study = 36 Hours Total : 110.67 hours = 4.43 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are Able to explain and understand the meaning of mass communication 2. Students are able to understand the function of mass communication 3. Students are able to identified the components of mass communication 4. Students are able to explaining the processes and models of mass communication 5. Students are able to understand the barriers to mass communication 6. Students are able to implement mass communication theory 7. Students are able to interpret media audiences 8. Students are able to examine the effects of mass communication 9. Students are able to argue the ethics of mass communication 10. Students are able to examine analyze mass media content 11. Students are able to analyze and design mass media and government systems

M O D U L E H A N D B O O K		12. Students can apply and evaluate Broadcast Journalism 13. Students are able to analyze the Law on Journalism 14. Students are able to design and interpret Mass Media and Society
	Content	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	1. Essays questions 2. Doing practical works 3. Video and Movie Project 4. Oral presentation
	Reading List	1. Vivian, John. "Teori Komunikasi Massa" penerbit Kencana, tahun 2008. 2. Ardianto, Elvinarno dan Lukiati Komala. 2005. Komunikasi Massa (suatu pengantar). Simbiosa 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.
	Date of last amendment	16 July 2021

Module designation	Soil and Water Conservation
Code	PER 111317
Semester (s) in which the module is taught	5th semester/3rd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
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	1. To play a role as a proud citizen and love the homeland and support world peace 2. To be able to understand the latest issues in the field of Soil and Water Conservation at the basic level 3. To be able to connecting and analyzing knowledge and technology in the field of soil and water conservation including the development of professional practice through research studies to produce proven innovative work in the field of soil and water conservation LO-SC-3: To be able to apply soil and water conservation as well as agricultural sciences for the development of sustainable agriculture systems.

Content	1. Learning contract, RPS explanation, Scope of Soiland 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: plantroots, canopy and litter
	5. Calculation of the amount of erosion: Calculationof erosion in the experimental plot
	6. Erosion prediction (USLE and RUSLE); Erosionmapping (Iso erodent line)
	7. Erosion Measurement in Watershed: Monitoring oferosion 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 offloods and landslides
	13. Land capability class as the basis for conservation farming
	14. Examples of erosion and flood damage in South Sumatra and Indonesia

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Examination forms	1. Essays questions 2. Writing paper 3. Group discussion
Reading List	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 Coservation Engineering (Third edition); by Jhon and Willey & Sons . Inc
Date of last amendment	16 July 2021

Module designation	Group Dynamics and Participatory Methods***
Code	ABI 704317
Semester (s) in which the module is taught	5th semester/3rd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Able to understand the history of group dynamics and the development of society, Group dynamic status, 2. Able to classify and understanding the 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. Able to classify and understanding the definition of social interaction, Aspects of social interaction, Forms of social interaction, Theory of social interaction. 4. Able to classify the 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. Able to understanding and implemented the theories of motivation in group dynamics. 6. Able to understanding and classify about institutional definition, Institutional importance,

		Institutional role in participatory development,
		7. Able to analyze and evaluate about social capital, Components of social capital, The importance of social capital in participatory development.
		8. Able to analyze and evaluate about empowerment and partitioning, Problems in community empowerment, Efforts in community empowerment and participation and Factors affecting community empowerment and participation.
		9. Able to analyze and evaluate about 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. Able to analyze and implemented the leadership; The role of leaders in community development, The history of group dynamics and the development of society, Group dynamic status.
		11. Able to classify and analyze about 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.
		12. Able to analyze and evaluate social interaction, Aspects of social interaction, Forms of social interaction, and Theory of social interaction
		13. Able to classify, analyze and evaluate participation, Types of participation, Community participation levels, Alternative participatory methods for community development, and Types of participatory methods for the development of society.
		14. Able to analyze and evaluate the role of facilitator, The role of the educator, The role of the messenge and Participatory forms of development.
Content		1. The History of Group Dynamics and The Development of Society.
		2. Group Dynamics and Community Development.
		3. Social Interaction
		4. Social Groups

	5. Motivation in Group Dynamics. 6. Institutional Definition, Institutional Importance, Institutional Role in Participatory Development, 7. Social Capital 8. Empowerment and Partitioning 9. Organizational Behavior 10. Opinion Leader 11. Group Dynamics and Community Development, 12. Social Interaction 13. Participation 14. The Role of The Facilitator and educator
Examination forms	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	3. Dumasari. (2014). Dinamika Pengembangan Masyarakat Partisipatif. Yogyakarta: Pustaka Pelajar. 4. Hariadi, S.S. (2011). Dinamika Kelompok. Yogyakarta: Sekolah Pascasarjana UGM. 5. Santosa, S. (1999). Dinamika Kelompok. Jakarta: Bumi Aksara. 6. Hikmat, H. (2004). Strategi Pemberdayaan Masyarakat. Bandung : Humaniora Utama. 7. Israel, A. (1990). Pengembangan Kelembagaan : Pengalaman Proyek-Proyek Bank Dunia. Jakarta : LP3ES. 8. Khairuddin. (1992). Pembangunan Masyarakat. Yogyakarta : Liberty. 9. Nasdian, F.T. (2015). Pengembangan Masyarakat. Jakarta: Fakultas Ekologi Manusia IPB dan Yayasan Obor Indonesia. 10. Setiawan, I. (2012). Dinamika Pemberdayaan Petani : Sebuah Refleksi dan Generalisasi Kasus di Jawa Barat. Bandung : Widya Padjajaran.
Date of last amendment	16 July 2021

Module designation	Participatory Development Methods
Code	ABI 705317
Semester (s) in which the module is taught	5th semester/3rd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 36 Hours Self-study = 36 Hours Total : 110.67 hours = 4.43 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain the definition of planning and output of planning activities. 2. Students are able to understand and differentiate the application of spatial zoning nomenclature in the form of space, region, region and area. 3. Students are able to identify participatory methods according to the needs of activities or studies. 4. Students are able to understand and apply PRA and RRA. 5. Students are able to practice the Focus Group Discussion (FGD) technique. 6. Students are able to practice the SWOT Method. 7. Students are able to practice the ZOPP Method. 8. Students are able to practice the Environmental Scanning (ES) Method. 9. Students are able to practice the Participatory Impact Monitoring (PIM) Method. 10. Students are able to practice the Analytical Hierarchy Process Method (AHP). 11. Students are able to apply stakeholder mapping techniques with DFID Diagrams.

	12. Students are able to perform stakeholder mapping techniques with Spider Diagrams. 13. Students are able to evaluate potential of participatory community development.
Content	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. AHP Method 11. Stakeholder Mapping (DFID Diagram) 12. Stakeholder Mapping (Spider Diagram) 13. Community Development Program Cycle
Examination forms	1. Essays questions 2. Writing Project Paper 3. Oral presentation 4. Technical and method simulation Practic
Reading List	1. Chambers, R., 2004. Participatory Rurral 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 Paticipation Methods in design and planning. Willey Publisher. 5. Rangkuti, F., 2002. Analisis SWOT: Teknik Membedah Kssus Bisnis. Gamedia Pustaka Utama. Jakarta.
Date of last amendment	16 July 2021

Module designation	Agribusiness Marketing Management
Semester (s) in which the module is taught	6th semester/3rd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain introduction: concept; role; and philosophy. 2. Students are able to understand and explain of creating value, satisfaction and loyalty. 3. Students are able to understand and explain developing strategies and plans of market oriented marketing. 4. Students are able to analyze agribusiness marketing opportunities. 5. Students are able to analyze agribusiness marketing environment. 6. Students are able to analyze consumer markets, business markets and consumer behavior. 7. Students are able to analyze and identify segments and target markets. 8. Students are able to analyze and formulate decision choice marketing mix. 9. Students are able to create brand equity. 10. Students are able to formulate brand positioning. 11. Students are able to analyze competition. 12. Students are able to formulate agricultural products marketing and marketing function.

	13. Students are able to analyze margins and marketing costs. 14. Students are able to analyze and formulate developing pricing strategies and its programs
Content	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	1. Essays questions 2. Writing Case Paper 3. Oral presentation
Reading List	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.
Date of last amendment	16 July 2021

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Module designation	Operational Research
Code	ABI 605317
Semester (s) in which the module is taught	6th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to remember and understand the scope of operations research in general. 2. Students are able to explain the technique of formulating linear programming models for decision making. 3. Students are able to solve optimization problems using the linear program Graph and Simplex methods. 4. Students are able to use the duality method and sensitivity analysis and are able to interpret solutions to dual problems. 5. Students are able to analysis and interprate the use of transportation methods and solve cases of transportation methods, as well as their implementation on maximization. 6. Students are able to explain the use of the assignment model, form an assignment table and solve it until the optimal solution uses the Hungarian Method, both for number of tasks, number of workers or number of tasks and number of workers. 7. Students are able to apply and analyze project

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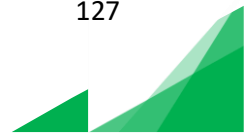|	
	management/management with the help of the CPM and PERT Methods. 8. Students are able to apply and analyze control techniques and calculate costs for inventory analytically by using the Inventory Model. 9. Students are able to apply and analyze the technique of formulating integer programming models forin allocating limited resources to achieve the objective function. 10. Student is able analyze and create solutions to problems that involve multiple targets in order to obtain an optimal solution. 11. Students are able uses and apply use the QM for Windows 3 application in making managerial decisions. 12. Students can optimazion solve problems using methods that have been studied in operations research engineering courses.
Content:	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:	1. Lectures 2. Structured Question and Answer 3. Field data collection, Report, Presentation and Discussion

Reading List:	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.
Date of last amendment	16 July 2021

Module designation	Social Economics Research Methodology
Code	ABI 603317
Semester (s) in which the module is taught	6th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain the definition of Social Research Methods. 2. Students are able to understand and re-explain the Qualitative and Quantitative Research Paradigms. 3. Students are able to understand and re-explain the process and stages of research Students are able to write/formulate examples of topics, titles, and formulations of research problems in the field of agribusiness. 4. Students are able to explain dan formulate the theoretical / concept framework used to solve / answer the formulation of their research problems. 5. Students are able to apply /formulate research hypotheses to match the formulation of the problem. 6. Students are able to provide examples, explaining the types of research variables in the field of agribusiness, complete with operational definitions. 7. Students are able to choose and apply research instruments 8. Students are able to understand, build and design

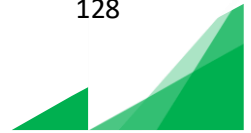|	sampling techniques that are appropriate for their research
	9. Students are able to can practice research data collection techniques related to their research problems
	10. Students are able to understand, explain, and apply the analysis of research data
	11. Students are able to understand, build and interpret the results of research data processing and conclude it.
	12. Students can design research proposals in the field of agribusiness.
	13. Students are able to develop research reports and publication papers
Content	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	1. Essays and multiple choices questions 2. Writing Project Paper 3. Oral presentation

Reading List	1. Sriati, 2013. Metode Penelitian Sosial. Penerbit Universitas Sriwijaya. Palembang 2. Creswell, John W. 2009. Research Design: Qualitatif, Quantitatif, andMixed Methods Approaches, Sage Los Angeles. 3. Cooper, D.R., & Schindler, P.S. (2001). Bussiness 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 Behavoral Science Research.. Jossey-Bass Publisher. London. 7. Singarimbun, M. dan Effendi, S. (editor) 1989. Metode Penelitian Survai. Pene,rbit LP3ES. Jakarta. 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. Researh 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.
Date of last amendment	16 July 2021

Module designation	Entrepreneurship
Code	ABI 1406317
Semester (s) in which the module is taught	6th semester/3rd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = - Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 75 hours = 3.79 ECTS
Credit points	2 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcome	1. Students able to understand and explain the scope of entrepreneurial discipline and entrepreneurial spirit in everyday life. 2. Students are able to understand and explain the concept, context and nature of entrepreneurship 3. Students are able to understand and explain the characteristics of entrepreneurship, the essential values of entrepreneurship, attitudes and personality of entrepreneurs, and understand the motives for achievement in entrepreneurship. 4. Students are able to build various types of entrepreneurs, the functions of entrepreneurs and the role of entrepreneurs. 5. Students are able to understand, identify, and interpret as well as understanding how to think creatively, how to act innovatively and be able to understand the results of creative and innovative thinking. 6. Students are able to understand, identify and calculate, several basic entrepreneurial capital consisting of will, ability and knowledge capital as well as entrepreneurial human capital as well as

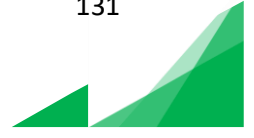|	
	entrepreneurial competency provisions.
	7. Students are able to calculate and analyze the initial entrepreneurial process, the entrepreneurial development process and the entrepreneurial growth process.
	8. Students are able to understand the steps towards entrepreneurial success, understand the driving and inhibiting factors of entrepreneurial success, understand the advantages and disadvantages of entrepreneurship.
	9. Students are able to build and formulate barriers to entering the industry and understand companies with a franchise system to forms of legal protection such as patents, trademarks and copyrights.
	10. Students are able to in the steps of preparation make a business analysis, business feasibility studies and have business life skills skills.
	11. Students are able to understand, explain and identify Formulate business plans, how to manage finances, understand marketing techniques and strategies, describe business management techniques.
	12. Students are able to build and interpret new businesses.; to Expalin and apply the steps to enter a new business and ways to start a new business.
	13. Students can recognize and identify how to start a new business, compile steps to enter a new business. Including new business barriers in entering the industry.
	14. Students are able to understand, analyse and evaluate about Business Ethics and Entrepreneurship
Content	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. Entreprenurship in the context of business and franchising

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	11. Busniness 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 Entreprenurship 16. Final Exams
Examination forms	1. Essays questions 2. Writing Project Paper 3. Video Project
Reading List	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. Entreprenreneurship. 2009. Management and Practice of Kristanto, Heru. Graha Ilmu. Yogyakarta. 4. Entreprenurship: Entrepreneurial Characteristics Approuch. 2010. Suryana,Yuyus et al. Kencana Prenada Media Group Publishing. Jakarta.
Date of last amendment	16 July 2021

Module designation	Agribusiness Multi Commodity and Ecosystem
Code	ABI 405317
Semester (s) in which the module is taught	6th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	4 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain the theoretical relationship between agribusiness, multi-commodity and ecosystems. 2. Students are able to understand and explain the types and characteristics of agricultural commodities. 3. Students are able to understand and explain the kinds and properties and interactions between agroecosystems and interactions between agroecosystems. 4. Students are able to elaborate and explained the definition of wetlands based on their physical shape and ecosystem. 5. Students are able to understand the meaning of dry land based on its physical shape and ecosystem. 6. Students are able to understand and explain the meaning of land systems and biodiversity. 7. Students are able to understand and explain industrial plantation forests and mangrove forests. 8. Students are able to analyze agroforestry through systems, criteria and advantages.

	9. Students are able to Calculate and analyze the aspects of multi-commodity agribusiness. 10. Students are able to Calculate and analyze the agricultural industry system. 11. Students are able to Calculate and analyze post-processing handling technology and food quality. 12. Students are able to Calculate and analyze problems in agriculture. 13. Students are able to prepare videos/documenters about plant cultivation activities to market results with multi-commodities in different systems.
Content	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).
Examination forms	1. Essays Questions 2. Writing Project Paper 3. Oral presentation

MODULE HANDBOOK

Reading List	1. Agro-Ekosistem dan Sisa Ekosistem Lahan Basah Lestari; Penopang Kedaulatan Pangan dan Kemakmuran NKRI , 2016. Sjarkowi, F. 2016. Peneribit 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.
Date of last amendment	16 July 2021

Module designation	Econometric
Code	ABI 1604317
Semester (s) in which the module is taught	6th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Student are able to understand and explain the Meaning of Econometrics 2. Students are able to understand and calculate Simple Linear Regression: Ordinary Least Square 3. Students are able to understand and calculate Multiple Regression 4. Students are able to understand and build various Econometric Modeling 5. Students are able to understand, calculate and interpret regression models with Qualitative Variables 6. Students are able to understand, calculate and interpret Logistic Regression Models Students are able to understand, calculate and interpret Dynamic Regression Models Students are able to understand, calculate and interpret Gauss Markov's Violation of Conditions / Classical Assumptions 7. Students are able to understand, build and interpret the Panel Model Data Regression Model 8. Students are able to understand, build and interpret Simultaneous Equation Models Students are able to understand and explain the Introduction to

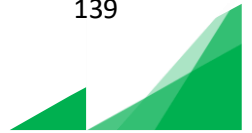|	
	Econometrics Time Series 9. Students are able to understand, build and interpret several tests in the Times Series of Econometrics 10. Students can get to know and use the SPSS/EVIEWs Program 11. Students can design Simulation of Formation, Estimation, and Interpretation of Various Econometric Models
Content	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
Examination forms	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	1. Gujarati, Damodar. 2007. Basic Econometric, Second Edition, McGraw-Hill Book Company, Forth Edition, New York. 2. Kautsoyiannis. 1977. Theory of Econometries: An Introductory Exposition of Econometries Methods. Second Edition. Harper & Row Publishers Inc. Inggris. 3. Pindyck , R. S. and D. L. Rubinfeld. 1991. Econometries Models, and Economies Forecast. 3rd. ed. McGraw-Hill Edition. Singapore. 4. Agus Widarjono. 2007. Econometrics: Theory and Application. Econesian publisher. Yogyakarta.
Date of last amendment	16 July 2021

Module designation	Regional Planning
Code	ABI 308717
Semester (s) in which the module is taught	6th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to define and explain the definition of Planning and Output of planning activities 2. Students are able to identify the application of spatial regional nomenclature in the form of space, region, region and region 3. Students are able to identify spatial classifications, simple and complex regional systems 4. Students are able to understand and relate village-city linkages 5. Students are able to implement and make recommendations on agropolitan concepts 6. Students are able to calculate and interpret the LQ (Location Question) Formula 7. Students are able to calculate and interpret Shift Share Analysis (SSA 8. Students are able to calculate and interpret labor doubling 9. Students are able to formulate potential domestic / local resources 10. Students are able to determine basic concepts of Input Output (IO)

	11. Students are able to apply, and interpret calculations of Input Output (IO) Tables 12. Students are able to interpret location theory 13. Students can get to build the concept of stadia of regional development 14. Students can get to plan and build regional autonomy
Content	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	1. Essays questions 2. Writing Project Paper 3. Data Analysis Report
Reading List	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.
Date of last amendment	16 July 2021

Module designation	Community Development Planning and Evaluation*
Code	ABI 706317
Semester (s) in which the module is taught	6th semester/3nd 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)	Lectures = 23.33 Hours Exam = 3.67 Hours Practicum = 19.83 Hours Structure assignment = 24 Hours Self-study = 24 Hours Total : 94.83 hours = 3.79 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are able to understand and explain the definition of planning and output of planning activities. 2. Students are able to understand and differentiate the application of spatial zoning nomenclature in the form of space, region, region and area. 3. Students are able to identify participatory methods according to the needs of activities or studies. 4. Students are able to understand and apply PRA and RRA. 5. Students are able to practice the Focus Group Discussion (FGD) technique. 6. Students are able to practice the SWOT Method. 7. Students are able practice the ZOPP Method. 8. Students are able practice the Environmental Scanning (ES) Method. 9. Students are able practice the Participatory Impact Monitoring (PIM) Method. 10. Students are able practice the Analytical Hierarchy Process Method (AHP). 11. Students are able practice the Logical Framework Analysis Method (LFA). 12. Students are able to perform stakeholder mapping

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	techniques with Spider Diagrams. 13. Students are able to apply stakeholder mapping techniques with DFID Diagrams. 14. Students are able to evaluate potential of participatory community development.
Content	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	1. Essays questions 2. Writing Project Paper 3. Oral presentation
Reading List	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. 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.
Date of last amendment	16 July 2021

Module designation	Community Service Program (ABI 707417)
Semester (s) in which the module is taught	7th semester/4th 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)	Lectures = - Practicum = 272 Hours Structure assignment = - Self-study = - Exam = - Total : 272 hours = 10.88 ECTS
Credit points	4 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. To be able to carry out academic validation or studies according to their field of expertise in solving agribusiness problems in the community through the development of their knowledge and expertise. 2. To be able to manage, develop, and maintain networks with community. 3. To be able to communicate and negotiate effectively with community in the development of agribusiness operating systems by utilizing information technology. 4. To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship with community. 5. To be able to motivate, and empower the community in the field of agribusiness development to improve community welfare. 6. To be able to communicate business policies, and agribusiness management for the benefit of farmer empowerment.
Content	1. Preparation for departure, condition of community service locations, professional and general professional programs and report generation. 2. Introduction of community service students to the community, community leaders and village officials. 3. Assessing the potential of the village to support professional program activities and general

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	programs.
	4. Arrange professional program activities that are tailored to the community service student study program and general programs carried out jointly by groups of KKN students.
	5. Seminars are held by inviting speakers depending on the request of the community at the KKN location.
	6. Prepare a plan of activities carried out during KKN for all KKN students, both professional programs and general programs.
	7. Carry out activities that have been arranged according to professional programs and general programs.
	8. Evaluation of activities carried out and professional programs and general programs.
	9. Preparation of KKN reports in accordance with the activities carried out with the field supervisor.
	10. Report consultation, report improvement and KKN report collection.
Examination forms	1. Field activity 2. Reports
Reading List	1. Text book and Research publications related to topics. 2. Guidebook scientific paper Faculty of Agriculture Unsri.
Date of last amendment	30 June 2021

Module designation	Internship (ABI 607417)
Semester (s) in which the module is taught	7th semester/4nd 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)	Lectures = - Practicum = 204 hours Structure assignment = - Self-study = - Exam = - Total : 204 hours = 8.16 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. To be able to carry out academic validation or studies according to their field of expertise in solving agribusiness problems in relevant industries through the development of their knowledge and expertise. 2. To be able to manage, develop, and maintain networks with relevant industries. 3. To be able to communicate and negotiate effectively with relevant industries in the development of agribusiness operating systems by utilizing information technology. 4. To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship with relevant industries. 5. To be able to communicate business policies, and agribusiness management for the benefit of relevant industry
Content	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
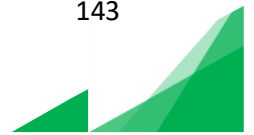
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	understand the existence the relationship of science in solving problems.
Examination forms	Students are required to provide a bound Intership Project Report that is based on instructions.
Reading List	1. Text book and Research publications related to topics. 2. Guidebook scientific paper Faculty of Agriculture Unsri.
Date of last amendment	16 July 2021

Module designation	Field Practice (PER 112417)
Semester (s) in which the module is taught	7th semester/4nd 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)	Lectures = - Practicum = 204 hours Structure assignment = - Self-study = - Exam = - Total : 204 hours = 8.16 ECTS
Credit points	3 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. Students are aware of fieldwork. 2. Students can identify the topic for practicing in the field. 3. Students are competent in performing the practicing field. 4. Students can collect data from the practicing field dan arrange information in tables, graphics, and narrative form. 5. The acquired data can be read and analyzed by students. 6. Students may create preliminary reports. 7. The writing of a report is understandable to students. 8. The final report can be completed by students accurately and completely.
Content	1. Discussion of fieldwork for students who will participate in fieldwork with advisor 2. A number of field practice plans submitted by students will be carried out to advisor 3. Advisor and students discuss the subject of field experience and choose a title. 4. The students develop a plan for carrying out fieldwork with guided by advisor. 5. Students engage in fieldwork 6. Students provide updates on the implementation of field practice. 7. Students offer information gleaned from the field. 8. Students write the field practice report with guided
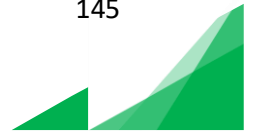
	by advisor.
	9. Advisor submit grades to students to administrative staff of the study program.
Examination forms	Students are required to provide a field practice report with guided by advisor.
Reading List	1. Text book and Research publications related to topics. 2. Guidebook scientific paper Faculty of Agriculture Unsri.
Date of last amendment	30 June 2021

Module designation	Seminar (ABI 606417)
Semester (s) in which the module is taught	7th semester/4nd 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)	Lectures = - Practicum = 22.67 hours Structure assignment = - Self-study = - Exam = - Total : 22.67 hours = 0.91 ECTS
Credit points	1 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. To be able to writing in form of seminar paper and the agribusiness according the thesis university format. 2. To be able to present the agribusiness research result in the final research seminar. 3. To be able to develop communication skills in seminar presenting.
Content	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.
Examination forms	Research Article
Reading List	1. Text book and Research publications related to topics. 2. Guidebook scientific paper Faculty of Agriculture Unsri.
Date of last amendment	16 July 2021

Module designation	Research Project/Thesis (PER 603417)
Semester (s) in which the module is taught	8th semester/4nd 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)	Lectures = - Practicum = 408 hours Structure assignment = - Self-study = - Exam = - Total : 408 hours = 16,32 ECTS
Credit points	6 credits
Required and recommended prerequisite for joining the module	-
Module objectives/intended learning outcomes	1. To be able to understand and apply the research method in the agribusiness science and write it down in a research plan proposal. 2. To be able to present the agribusiness research plan proposal in research plan proposal seminar. 3. To be able in doing independent agribusiness research in the research field 4. To be able to understand and apply the agribusiness data processing and analyzing 5. To be able to writing in form of seminar paper and the agribusiness research report according the thesis university format. 6. To be able to present the agribusiness research result in the final research seminar. 7. To be able to present and defent the agribusiness research result in front the defense committee session. 8. To be able to develop communication skills in thesis consultation; data collecting and analyzing; seminar presenting and the final research defense.
Content	Thesis/Research Project is the main 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 with the following step:
	1. Students together with their advisors determine the topic of the research.
	2. Students prepare their agribusiness research plans in the form of research proposals with the guidance of advisors.
	3. The students present the research proposals in research proposal seminar with the guidance of advisors.
	4. The student perform the independent research in the field with the guidance of advisors.
	5. The student process data, analyze result, and write the research report with the guidance of advisors.
	6. The students present the research result in research result seminar with the guidance of advisors.
	7. The studentpresent and defent the research result in front the defense committee session
Examination forms	Research Paper
Reading List	1. Text book and Research publications related to topics. 2. Guidebook scientific paper Faculty of Agriculture Unsri.
Date of last amendment	16 July 2021

MODULE HANDB

Appendix 1. (Countinued)

7th Semester									
Community Service Program**	4	-	-	16.320		-	16.320	272	10,88	
Internship**	3	-	-	12.240		-	12.240	204	8,16	
Field Practice	3	-	-	12.240		-	12.240	204	8,16	
Seminar	1	-	-	4.080		-	4.080	68	2,72	

8th Semester										
Research Project	6	-	-	24.480		-	24.480	408	16,32	0,00

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