UMY
UNIVERSITAS MUHAMMADIYAH YOGYAKARTA
Unggul & Islami

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MODULE HANDBOOK

AGRIBUSINESS STUDY PROGRAM
FACULTY OF AGRICULTURE
UNIVERSITAS MUHAMMADIYAH YOGYAKARTA

Compulsory Courses

(1 st Semester)

MODULE HANDBOOK
(MATHEMATICAL ECONOMIC)

Module designation	The Mathematics Economics course discusses basic on the mathematical material that has a direct relationship with micro, macro and managerial economic theory, including: Linear Functions, Non Linear Functions, Differential Simple and Compound Functions, Integrals, Matrixes, and their application in economics
Module level	Undergraduate
Code	22U 211
Courses	Mathematical Economic
Semester	First Semester
Person in charge of the module	Ir. Eni Istiyanti, M.P.
Language	Indonesia
Lecturer	Dr. Ir. Triwara Buddhi Satyarini, M.P. Ir. Eni Istiyanti, MP
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	4,533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4,533 ECTS
Credit points	2 poin kredit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO 3 Able to work in a team in synergy according to their area of expertise. 2. PLO 4

	Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1 Able to work in a team synergistically. 2. CLO2 Mastering mathematical concepts and theories and their application in economics. 3. CLO3 Able to apply logical, critical, systematic thinking in the development of economic mathematics. **The final ability of each learning stage (LLO)** 1. LLO1 Able to use linear functions to solve cases in economic theory 2. LLO2 Able to use quadratic functions to solve cases in economic theory by working together in synergy 3. LLO3 Able to use differentiation of simple functions to solve cases in economic theory logically and critically 4. LLO4 Able to use partial differential to solve cases in economic theory logically and critically 5. LLO5 Able to use indefinite integrals to solve cases in economic theory logically and critically 6. LLO6 Able to understand addition, subtraction, and multiplication of matrices as well as determinants of matrices and matrices

Correlation PLO, CLO and LLO							
		LLO 1	**LLO 2**	**LLO 3**	**LLO 4**	**LLO 5**	**LLO 6**
PLO 3	**CLO 1**		√				
PLO 4	**CLO 2**	√	√	√	√	√	√
PLO 7	**CLO 3**			√	√		

Content	1. Function 2. Linear Function 3. Application of linear functions in economic theory 4. Quadratic functions and their application in economic theory 5. Differentiation function and its application in economic theory 6. Partial differentials and their application in economic theory 7. Indeterminate and definite integrals and their application in economic theory 8. Addition, subtraction, and matrix multiplication 9. The determinant of the matrix and the inverse matrix
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Kalangi, Josep Bintang. 2019. Matematika Ekonomi dan Bisnis Edisi 4. Salemba Teknika. Jakarta. 2. Mulyana, Sri. 2017. Matematika Ekonomi & Bisnis Edisi 2. Penerbit Mitra Wacana Media. Bogor. 3. Bk, Josep. 2019. Matematika Ekonomi & Bisnis. Penerbit Salemba Empat. Jakarta. 4. Teguh, Muhammad. 2014. Matematika Ekonomi. Penerbit Rajagrafindo. Depok. 5. Tjolleng, Amir. 2019. Matematika Ekonomi. Penerbit Yrama Widya. Bandung. 6. Assauri, Sofjan. 2017. Matematika Ekonomi Edisi 2, Cetakan ke-30. Penerbit Rajawali. Jakarta.

MODULE HANDBOOK
(MANAGEMENT BASIC)

Module designation	Management is the process of coordinating management functions which include planning, organizing, leadership and supervision carried out by managers. The activity of managing an organization cannot be separated from the person who leads the organization or what we usually call the manager. Managers are generally divided into three levels (the managerial hierarchy) in the form of a pyramid. The manager's duties according to the level are also stratified. The biggest task is at the top manager level, where the policies taken will affect the entire organization.
Module level	Undergraduate
Code	22U 221
Courses	Management Basic
Semester	First Semester
Person in charge of the module	Francy Risvansuna Fivintari, S.P., M.P.
Language	Indonesia
Lecturer	Francy Risvansuna Fivintari, S.P., M.P. Ir. Lestari Rahayu, M.P. Dr. Ir. Nur Rahmawati, M.P.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO3

	Able to work in a team in synergy according to their area of expertise. 2. PLO4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1 Able to work in a team synergistically. 2. CLO2 Mastering management concepts and theories. 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in the implementation of management. **The final ability of each learning stage (LLO)** 1. LLO1 Able to explain about managers regarding their roles and levels, what is meant by management and organization and management functions in general (CLO 2) 2. LLO2 Able to explain 4 parts of management science theory and provide examples of inventors in 4 management science theories (CLO 2) 3. LLO3 Able to explain the planning function and decision-making steps and complete decision case studies (CLO 1) (CLO 2) (CLO 3) 4. LLO4 Able to explain about organizational structure and design in a company (CLO 2) 5. LLO5 Able to connect between theories of motivation in leadership (CLO 2) (CLO 3) 6. LLO6 Able to explain about the control process within the company (CLO 2)

Correlation PLO, CLO and LLO							
		LLO 1	**LLO 2**	**LLO 3**	**LLO 4**	**LLO 5**	**LLO 6**
PLO 3	**CLO 1**			√			
PLO 4	**CLO 2**	√	√	√	√	√	√
PLO 7	**CLO 3**			√		√	

Content	1. Management and organization 2. Recognize and identify management functions 3. History of Management Science Development 4. Make a decision 5. Basic Planning 6. Organizational Identification 7. Employee motivation 8. Manager as leader 9. Company Control
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/course/view.php?id=157)
References	1. Wijayanto, D., & SPi, M. M. (2013). Pengantar manajemen. Gramedia Pustaka Utama. 2. Hery, S. E. (2018). Pengantar Manajemen. Gramedia Widiasarana Indonesia. 3. Nugroho, D. A. (2017). Pengantar Manajemen untuk Organisasi Bisnis, Publik dan Nirlaba. Universitas Brawijaya Press. 4. George R. Terry (2021). Dasar-Dasar Manajemen Edisi Revisi. Bumi Aksara. 5. Robbins, Stephen P.; Coulter, Mary. (2016.). *Management / Stephen P. Robbins, Mary Coulter*. London :: Pearson Education,.

MODULE HANDBOOK
(AQIDAH-AKHLAQ)

Module designation	This Akidah-Akhlaq course discusses and examines how a Muslim really believes in his religion. His religion is not just a follow-up or just dogmatically religious, but he is aware of his choice. In addition, this lecture also examines the foundation of a Muslim's faith which is based on strong monotheism and also discusses everything that can damage the foundations of that faith. In addition, this course also discusses how to realize Islam in life, so that it becomes a perfect, universal and implementable teaching. After completing this course, students are expected to be able to explain, In addition to studying the dimensions of aqidah, this course is also combined with a discussion of the moral dimension, namely the dimension of human behavior from the aspect of good and bad norms to be oriented in daily life, both in individual, social, and vertical contexts based on spiritual processes (tazkiah al -nafs). Discussion of morality is related to norms, ethics and aesthetics. Meanwhile, Sufism is a teaching to know and get closer to Allah, so as to gain awareness of God (God Consciousness). Therefore, Sufism is closely related to morality. Good morals arise from the cleanliness of the heart, the purity of the spirit, personal stability, purity of character and character, because the strength of the heart has been flowed by the current of divine power.
Module level	Undergraduate
Code	22P 121
Courses	Aqidah Akhlaq
Semester	First Semester
Person in charge of the module	Dr. Rohmasyah, S.Th.I, M.Hum
Language	Indonesia
Lecturer	Dr. Rohmansyah, S.Th.I., M. Hum Dr. Halim Purnomo, M.Pd.I Dr. Firman Mansir, M.Pd.I
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours

	2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO1 Able to show religious attitudes, love the homeland and uphold human values. 2. PLO4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise **Course Learning Outcomes (CLO)** 1. CLO1 (S) Able to show a religious attitude. 2. CLO2 (F) Mastering Islamic concepts and theories. 3. CLO3 (KU) Able to apply logical, critical, and systematic thinking in applying Islamic values. 4. Fear of God Almighty and able to show a religious attitude. 5. Internalizing the values and principles of monotheism in his life 6. Have good morals in bermuamalah which is beneficial for self, society, nation and state. 7. Knowing and understanding the nature of God, humans and life in accordance with the guidance of the Qur'an & authentic Hadith and science. **The final ability of each learning stage (LLO)** 1. LLO1

	Able to uphold human values in carrying out duties based on religion, morals and ethics. 2. LLO2 students have good morals in bermuamalah that are beneficial to themselves, society, nation and state 3. LLO3 Appreciate the diversity of cultures, views, religions and beliefs as well as the opinions or original findings of others. 4. LLO4 able to work together and have social sensitivity and concern for society and the environment
Content	1. Humans and Religion 2. The concept of religion and the purpose of human life 3. Tawhidullah 4. Faith in Allah and the Messenger and their implementation 5. The Concept of Morals in Islam 6. Morals towards Allah SWT. And the Messenger of Allah. 7. Personal Morals (Akhlaq Toward Self, parents and society) 8. National and State Ethics in Islam
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Yunahar Ilyas, Kuliah Aqidah Islam, Yogyakarta, LPPI UMY, 2006. 2. Yunahar Ilyas, Kuliah Akhlaq, Yogyakarta, LPPI UMY, 2006. 3. LPPI UMY. Pedoman OSDI 2015 4. PP Muhammadiyah, Pedoman Hidup Islami Warga Muhammadiyah 5. Mohammad Daud Ali, Pendidikan Agama Islam, Jakarta, Rajawali Press, 2013. 6. Ahmad Azhar Basyir, Beragama secara Dewasa (Akidah Islam), Yogyakarta, UII Press, 2002. 7. Mahmud Syaltut, Al-Islâm; 'Aqîdah wa Sarî'ah, Kairo, Darul Qalam, 1966. 8. M. Fahmi Muqoddas (dkk.), Akidah Islam, Yogjakarta, UII Press. 9. Syaikh Abdurrahman bin Han Ali Syaikh, Fathul Majîd Syarh Kitâbut Tauhîd, Riyadh, Maktabah Darussalam, 1994. 10. Shalih bin Fauzan bin Abdullah al-Fauzan, Kitâbut Tauhîd Juz I, II, & III.

	11. Muhammad Abduh, Risaâlatu Tauhîd. 2006. 12. Harun Nasution, Teologi Islam, UI Press, Jakarta, 1974. 13. A Hanafi, Theologi Islam, Pustaka al-Husna, Jakarta, 1970. 14. M. Amien Rais,Tauhid Sosial, Bandung, Mizan, 1998. 15. M. Hasbi Ash-Shiddieqy, Sejarah dan Pengantar IlmuTauhid/ Kalam, Jakarta, Bulan Bintang, 1973. 16. Abdul Mustaqim, Akhlak Tasawuf Jalan Menuju Revolusi Spiritual

MODULE HANDBOOK
(KEMUHAMMADIYAHAN)

Module designation	This course is designed to equip students with knowledge about understanding Islam based on the Koran & as-Sunnah al-Makbullah with the correct principles and an approach to the concept of progressive Islam as believed by Muhammadiyah. Thus, students get the concept of understanding the Koran & as-Sunnah al-Makbulah correctly and not falling into a misguided understanding and can be applied in daily life according to the guidance. This course focuses on three competencies, namely: Muhammadiyah ideology, understanding Muhammadiyah religion, and the concept of the Muhammadiyah nation. The three competencies are based on the official formulations of Muhammadiyah, namely: Preamble to the Articles of Association of Muhammadiyah (MADM), Personality of Muhammadiyah, and Matters of Faith and Life Aspirations of Muhammadiyah (MKCHM). The purpose of general instruction from this course is that students are expected to be able to understand Islam based on revelation with rules that are in accordance with the Qur'an & as-Sunnah al-Makbulah.
Module level	Undergraduate
Code	22P-515
Courses	Kemuhammadiyahan
Semester	First Semester (Gasal)
Person in charge of the module	Dr. Ir. Sriyadi, M.P.
Language	Indonesia
Lecturer	Dr. Ir Sriyadi, M.P.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours

	= 3,02 ECTS
Credit points	2 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO1 Able to show religious attitudes, love the homeland and uphold human values. 2. PLO4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise **Course Learning Outcomes (CLO)** 1. CLO1 (S) Able to show a religious attitude. 2. CLO2 (F) Mastering Islamic concepts and theories. 3. CLO3 (KU) Able to apply logical, critical, and systematic thinking in applying Islamic values. **The final ability of each learning stage (LLO)** 1. LLO1 Able to explain the history and development of renewal in the Muslim world and its relevance to the history of the founding of Muhammadiyah. (CLO1, CLO2) 2. LLO2 Able to explain the thoughts of KH Ahmad Dahlan. (CLO1, CLO2, CLO3) 3. LLO3 Able to practice Muqaddimah, Muhammadiyah Personality and Muhammadiyah Faith & Aspirations of Life (MKCH). (CLO1, CLO2, CLO3) 4. LLO4 Able to practice the Islamic Life of Muhammadiyah Citizens (PHIWM). (CLO1, CLO2, CLO3) 5. LLO5

	Able to practice Da'wah & Charity Business Muhammadiyah (AUM). (CLO1, CLO2, CLO3) 6. LLO6 Able to develop patterns of Muhammadiyah movement and community empowerment. (CLO1, CLO2, CLO3) 7. LLO7 Able to implement the basic values of Muhammadiyah in the Information Age. (CLO1, CLO2, CLO3) 8. LLO8 Able to implement the basic values of Muhammadiyah in society. (CLO1, CLO2, CLO3)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8
PLO 1	**CLO 1**								
PLO 4	**CLO 2**	•							
PLO 7	**CLO 3**			•	•	•	•	•	•

Content	1. The Development and Renewal of Islamic Civilization 2. History of the Birth of Muhammadiyah 3. Philosophy and Main Teachings of KH Ahmad Dahlan 4. Preamble of Muhammadiyah's Articles of Association 5. Muhammadiyah Personality 6. The Faith & Aspirations of Muhammadiyah Life 7. 2nd Century Muhammadiyah Thoughts
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Ahmad Syafii Maarif. Islam dalam Bingkai Keindonesiaan dan Kemanusiaan, Sebuah Refleksi Sejarah. (Mizan: Bandung, 2009) 2. Azyumardi Azra, , Islamisasi Nusantara, Bandung: Mizan 3. DeliarNoer. The Modernist Muslim Movement in Indonesia 1900-1942. (Oxford University Press. 1973). DiterjemahkankeBahasa Indonesia denganjudulGerakan Modern Islam Indonesia 1900-1942. (Jakarta: LP3ES, 1996). 4. Haedar Nashir, Meneguhkan Ideologi Gerakan Muhammadiyah, UMM Press 5. Haedar Nashir. Muhammadiyah sebagai Gerakan Pembaruan. (Yogyakarta: Suara Muhammadiyah, 2011).

	6. Hamdan Hambali, Ideologi Muhammadiyah, Yogyakarta: SM 7. Harun Nasution, Pembaharuan dalam Islam, Jakarta: Bulan Bintang 8. Khozin dan Imam Syaukani, Pembaharuan Islam, Konsep, pemikiran dan gerakan, UMM Press, 2000 9. KRH. Hadjid, Pelajaran KH. Ahmad Dahlan, LPI PP Muhammadiyah 10. Mitsuo Nakamura. The Crescent Arises Over the Banyan Tree, A Study of the Muhammadiyah Movement in a Central Javanese Town. (Yogyakarta: GadjahMada University Press, 1993.) Diterbitkan dalam Bahasa Indonesia dengan judul Bulan Sabit Muncul dari Balik Bohon Beringin 11. Mulkhan, AM, Kisah dan Pesan Kyai Ahmad Dahlan, Yogyakarta: Pustaka SP, 2005 12. Mustafha Kamal Pasha, dkk. Muhammadiyah sebagai Gerakan Tajdid. (Yogyakarta: Citra KarsaMandiri, 2003). 13. Musthafa Kamal Pasha dkk, Muhammadiyah sebagai Gerakan Islam, LPPI UM Yogyakarta 14. Majelis Diktilitbang dan LPI PP Muhammadiyah. 1 Abad Muhammadiyah, Gagasan Pembaruan Sosial Keagamaan. (Jakarta: Kompas, 2010). 15. Pedoman Hidup Islami Warga Muhammadiyah 16. Suwito, Sejarah Para Tokoh Pendidikan, Bandung: Angkasa, 2003 17. Yusron Asrofie, KHA Dahlan: Pemikiran dan Kepemimpinannya, MPKSDI PP Muhammadiyah

MODULE HANDBOOK
(INFORMATION AND COMPUTING TECHNOLOGY)

Module designation	Information and Computing Technology (22P-311) or ICT is a course that is prepared to provide understanding to students about the development of information and computing technology as well as the basic applications of ICT both for activities learning as well as for general application. This course is very important to support the smooth stages student learning at the lecture level as well as to support the realization of the Agribusiness Study Program graduate profile.
Module level	Undergraduate
Code	22P 311
Courses	Information and Computing Technology
Semester	First Semester
Person in charge of the module	Heri Akhmadi, S.P., M.A.
Language	Indonesia
Lecturer	Heri Akhmadi, S.P., M.A. | -, Muhammad Fauzan, S.P., M.Sc | -, Oki Wijaya, S.P., M.P. | -, Zuhud Rozaki, S.P., M.App.Sc., Ph.D. |
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	6.044 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 4 x 45,33 hours = 181.32 hours Workload = 282.32 hours / 30 hours = 6.044 ECTS
Credit points	2/2 poin kredit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO2 Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO6

	Mastering the concepts and principles of information technology-based business communication. 3. PLO7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO9 Able to study and solve problems based on information technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to show creative, innovative, fighting spirit and responsibility towards the rule of law. 2. CLO2 Mastering the concepts and principles of information technology. 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in the use of information and computing technology. 4. CLO4 Able to study and solve problems based on information technology. **The final ability of each learning stage (LLO)** 1. LLO1 Able to understand computer history, information age, big data and web evaluation 2. LLO2 Able to operate Microsoft Word 3. LLO3 Able to operate Microsoft Excel 4. LLO4 Able to operate Microsoft Power Point 5. LLO5 Able to understand the Basic Operational Principles of Corel Draw 6. LLO6 Able to create a blog

Correlation PLO, CLO and LLO							
		LLO 1	**LLO 2**	**LLO 3**	**LLO 4**	**LLO 5**	**LLO 6**
PLO 2	**CLO 1**	√					
PLO 6	**CLO 2**		√		√	√	
PLO 7	**CLO 3**			√			
PLO 9	**CLO 4**						√

Content	1. Computer History 2. Hardware and Software 3. Internet development 4. Definition of Information Age 5. Characteristics of the Information Age 6. Impact of the Information Age in Agribusiness 7. Search Engine 8. Web Evaluation 9. Ethical Use of ICT 10. Introduction of Ms Word 11. Section, Styles, and Page Number Settings 12. Header Footer, Tabel of Content, and Equation settings 13. Introduction of Ms Excel for data management 14. Ms Excel Tutorials 15. Introduction of MsPowerpoint 16. Slide Design 17. How to be a Good Presenter 18. Introduction of Blog 19. How to become a productive and inspirational blogger 20. Introduction of Graphic Design 21. Scientific Publications 22. Corel Draw Tutorials
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Kaunang, FJ et al. (2021) Konsep Teknologi Informasi. Yayasan Kita Menulis. 2. Comer, GE. (2018). The Internet Book (5th Ed). CRC Press. New York 3. Fauzan, M., Akhmadi, H. dan Wijaya, O. (2017) Teknologi Informasi dan Komputasi.

MODULE HANDBOOK
(BAHASA INDONESIA)

Module designation	The ability to pour ideas or ideas in a scientific paper is a competency that must be owned by every undergraduate candidate. This ability helps students in completing studies, considering that most of the lecture process requires students to use the ability to compose scientific papers, especially in final assignment courses such as seminars, internships and thesis. In the world of work, this ability is an advantage in the face of competition to enter the workforce and in developing a career. Through indonesian language courses students are guided to have the ability to give birth to ideas through the process of scientific thinking and pour them in scientific papers. Materially this course is a combination of Indonesian Language Courses and Scientific Methods, which are packaged in a simple and practical manner.
Module level	Undergraduate
Code	22U-621
Courses	Bahasa Indonesia
Semester	Firs Semester (Gasal)
Person in charge of the module	Zuhud Rozaki, S.P., M.App.Sc., Ph.D.
Language	Indonesia
Lecturer	1. Muhammad Fauzan, S.P., M.Sc 2. Oki Wijaya, S.P., M.P. 3. Zuhud Rozaki, S.P., M.App.Sc., Ph.D.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.

Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO2 (S2) Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO5 (P2) Mastering the principles and methods of quantitative and qualitative analysis in problem solving and scientific decision making based on database management. 3. PLO7 (KU1) Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO8 (KK1) Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to show creative, innovative, fighting spirit and responsibility in scientific writing. 2. CLO2 Mastering the principles of scientific writing. 3. CLO3 Able to apply logical, critical, and systematic thinking in scientific writing. 4. CLO4 Able to plan scientific writing based on science and technology. **The final ability of each learning stage (LLO)** 1. LLO1 Able to understand scientific and non-scientific writing (CLO 1) 2. LLO2 Able to make effective sentences and paragraphs (CLO 2) 3. LLO3 Able to understand illustrations and literature (CLO 3) 4. LLO4 Able to do library search (CLO 4)

	5. LLO5 Able to understand the ethics of scientific writing (CLO 1) 6. LLO6 Able to make creative ideas and book chapters (CLO 4)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 2	**CLO 1**	√				√	
PLO 5	CLO 2		√				
PLO 7	CLO 3			√			
PLO 8	CLO 4				√		√

Content	1. Scientific and Non-Scientific Writing 2. Effective Sentences and Paragraphs 3. Illustration and Literature 4. Library browsing 5. Plagiarism and violation of the code of conduct 6. Creative ideas and proposal writing
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Yani, Juli. (2023). Bahasa Indonesia Pengembangan Kepribadian Di Perguruan Tinggi. Semarang: CV. Tatakata Grafika. 2. Dibia. I. K., & Dewantara, I. P., (2017). Bahasa Indonesia untuk Perguruan Tinggi. 3.Dibia, Ketut I. (2021). Bahasa Indonesia untuk perguruan tinggi. Indonesia: PT. Raja Grafindo Persada.

MODULE HANDBOOK
(AGRICULTURAL SCIENCES)

Module designation	The Agricultural Science course is a compulsory subject for students of the UMY Agribusiness Study Program with a weight of 3 credits (2 theoretical credits and 1 practicum credit). This course aims to provide knowledge, skills, and the ability to understand the basics of agricultural science. Agricultural science studies the basic concepts of agriculture both as a science and agriculture as an activity. This basic concept or understanding is useful for studying further branches of agricultural science as well as understanding the concepts, definitions or terms used in agricultural practice.
Module level	Undergraduate
Code	22U 131
Courses	Agricultural Sciences
Semester	First Semester (Gasal)
Person in charge of the module	Oki Wijaya, S.P., M.P.
Language	Indonesia
Lecturer	Oki Wijaya, S.P., M.P. | -, Sutrisno, S.P., M.P. | -, Widodo, Dr. Ir., M.P. |
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	4,533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4,533 ECTS
Credit points	2 poin kredit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**PLO charged to MK** 1. PLO 2 (S2)

	Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO 4 (P1) Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7 (KU1) Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1 Able to show creative, innovative attitude. 2. CLO2 Mastering the concepts and theories of agricultural science based on sharia principles. 3. CLO3 Able to apply logical, critical, systematic thinking in the development of agricultural science. **The final ability of each learning stage (LLO)** 1. LLO1 Able to summarize the definition of agriculture according to experts and formulate the basic concepts of agriculture 2. LLO2 Able to draw conclusions from various perspectives of agricultural history and provide examples of agricultural development 3. LLO3 Able to explain the scope of agriculture, the division of agricultural sub-sectors and agricultural systems 4. LLO4 Able to explain the condition of human resources in agriculture and rural areas 5. LLO5 Able to explain the basic concepts of agricultural and farming economics 6. LLO6 Able to explain the concept of agribusiness, processing of agricultural products and marketing

Correlation PLO, CLO and LLO							
		LLO 1	**LLO 2**	**LLO 3**	**LLO 4**	**LLO 5**	**LLO 6**
PLO 2	**CLO 1**	√	√		√		
PLO 4	**CLO 2**	√	√	√	√	√	√
PLO 7	**CLO 3**				√	√	√

Content	1. Various Definitions of Agriculture According to Experts 2. Formulation of Basic Concepts of Agriculture from Physical (Cultivation), Economic and Social Aspects 3. The history of agriculture according to the theory of human civilization and Islamic perspective 4. Formulation of the Concept of Agricultural History 5. The Concept of Agricultural Development 6. Agricultural System Concept 7. Scope of Agriculture Based on its Basic Elements 8. Division of Agricultural Subsectors in Indonesia 9. Farmer Concept: Farmer and Peasent 10. Overview of Farmers in Indonesia 11. Village, Rural and Agricultural Concepts 12. Rural and Agriculture Relations 13. Evaluation and Review of Material Mastery 2 – 7 14. Understanding Agribusiness 15. Agribusiness Subsector 16. Agricultural Production Concept 17. Concept of Input – Output 18. Agricultural Cost Concept 19. Income And Profit Concept 20. Farming Efficiency Concept 21. Business Feasibility Concept 22. Various Business Feasibility Theories (RC Ratio, Capital Productivity, Labor and Land) 23. Agricultural Marketing Concept 24. Marketing Channels And Marketing Mix 25. Agricultural Product Processing Concept 26. Agricultural Waste Treatment 27. Understanding Agricultural Modernization Development of Science and Technology in Agriculture
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard

References	1. Harjadi, Sri Setyati. (2019). Dasar-Dasar Agronomi. Jakarta: PT. Gramedia Pustaka Utama. 2. Darwis, Khaeriyah.(2017). Ilmu Usaha Tani. Makasar: CV. Inti mediatama. 3. Alam,Syamsu, dkk. (2023). Dasar-Dasar Ilmu Tanah. Indonesia: PT. Global Eksekutif Teknologi. 4. MS, Yogi., Ratnaningtyas, Sudrajati. (2020). Pengantar Ekonomi Pertanian. Yogi & Sudrajati Ratnaningtyas. 5. Soestrisno., Suwandari, Anik. (2016). Pengantar Ilmu Pertanian. Malang: Intimedia. 6. Jan HM Oudejans. Perkembangan Pertanian di Indonesia. Gama Press. 7. Totok Mardikanto. Membangun Pertanian Modern. UNS Press.

MODULE HANDBOOK
(AGRICULTURAL COMMUNICATION)

Module designation	In the information age, communication becomes an important aspect in every side of life, including in the development of agribusiness. The ability to communicate effectively is often a determining factor for a person's success in adapting to a new environment or developing a career. Agricultural Communication course is given in semester 1 with 2 credits, intended to educate students to have communication skills, provide an understanding of communication concepts and theories, and provide an overview of the process of spreading communication in agribusiness development. Broadly speaking, the Agricultural Communication course includes 2 sub-competencies, namely the basics of communication and introduction to agricultural communication. Agricultural Communication is intended for new students (semester 1). At the first meeting of the lecture, the first time the lecturer introduced himself to the students, the lecturer introduced himself, among others, about his name, years of work at UMY, his family, and his field of work. Next, try to get to know the students one by one, regarding where they come from school, where they live in Yogyakarta, hobbies, goals, etc. The lecturer explains the lecture rules, including: attendance rules, tolerance for lateness, evaluation/assessment, student clothing, activities in lectures. What is the philosophy and purpose of the Agricultural Communication course material. This is related to the competency profile that will be achieved as a candidate for undergraduate agriculture, especially in the field of agribusiness. Also briefly convey all the material that will be delivered in the Agricultural Communication course.
Module level	Undergraduate
Code	22U 311
Courses	Agricultural Communication
Semester	First Semester (Gasal)
Person in charge of the module	Sutrisno, S.P., M.P.
Language	Indonesia
Lecturer	Dr. Ir. Indardi., M.Si., Retno Wulandari, S.P., M.Sc., Sutrisno, S.P., M.P.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study)

	- New Method: blended learning via MyKlass
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Recommended prerequisites	-
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO2 Able to show creative, innovative attitude, fighting spirit and responsibility towards the rule of law, norms and ethics 2. PLO6 Mastering the concepts and principles of information technology-based business communication 3. PLO7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1 Able to show creative, innovative, and responsible attitude in communicating. 2. CLO2 Mastering the concepts and principles of agricultural communication. 3. CLO3 Able to think logically and systematically in communication. **The final ability of each learning stage (LLO)** 1. LLO1

	Able to understand the meaning, elements, and processes of communication 2. LLO2 Able to understand the classification, model, and theory of communication 3. LLO3 Able to understand the concept of effective communication in verbal and non-verbal communication 4. LLO4 Able to identify barriers and their solutions in communication 5. LLO5 Able to understand agricultural extension and communication, adoption and spark plug processes, and innovation decision making 6. LLO6 Able to understand the dissemination of research-based information, the character of Indonesian farmers, and the business prospects of agricultural information

Correlation PLO, CLO, and LLO

		LLO1	LLO2	LLO3	LLO4	LLO5	LLO6
PLO 2	**CLO 1**	√	√	√	√	√	
PLO 6	**CLO 2**	√		√			
PLO 7	CLO 3					√	√

Content	The basics of communication Communication agriculture
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Suherman, Ansar (2020). Buku Ajar: Teori-Teori Komunikasi. Deepublish. 2. Karyadi, L. W (2016). Penyuluh dan Komunikasi Pertanian. Pustaka Bangsa. 3. Littlejohn, S.W (2016). Theories of Human Communication, Eleventh Edition. Wadsworth Publishing. 4. Telg, Ricky (2011). Agriculrural Communication in Action: A Hand-On Approach 1st Edition. Cengage LearningRuben, B.D (1995). Communication and Human Behavior 5th Edition.

	5. Saravanan, R (2011). Information and Communication Technology for Agriculture and Rural Development. New India Publishing Agency.

MODULE HANDBOOK
(CULTIVATION)

Module designation	Plant Cultivation Technology (KU 124), is a course to prepare students to master effective plant cultivation methods and technologies from pre-production, production, harvest to post-harvest) in a sustainable agricultural system both in a modern and up-to-date manner and to promote local wisdom to support design, management and innovation. and the application of agricultural business
Module level	Undergraduate
Code	22U 332
Courses	Cultivation
Semester	First Semester (Gasal)
Person in charge of the module	Ir. Hariyono, MP
Language	Indonesia
Lecturer	Ir. Hariyono, MP Ir. Sukuriyati Susilo Dewi, MS Ir. Titiek Widyastuti, MS
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 1st semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	6.044 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 4 x 45,33 hours = 181.32 hours Workload = 282.32 hours / 30 hours = 6.044 ECTS
Credit points	2/1 poin kredit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes charged to courses (PLO)** 1. PLO1 Mastering effective plant cultivation knowledge and technology in sustainable agricultural systems both in modern and local wisdom

	2. PLO2 Able to apply plant cultivation technology that is oriented towards increasing production, efficiency, quality and sustainability in accordance with GAP (Good Agricultural Practices) 3. PLO3 Able to work together in multidisciplinary independently and in groups 4. PLO4 Mastering general theoretical concepts and principles of managing organisms, integrated plant nuisance, etc. **Course Learning Outcomes (CLO)** 1. CLO1 Able to explain the principles of crop production systems and the concept of agricultural development in Indonesia 2. CLO2 Able to master and demonstrate effective plant cultivation methods and technologies in a sustainable agricultural system in accordance with GAP 3. CLO3 Able to actualize one's potential to work together effectively in multidisciplinary teams and be able to accept the opinions of others 4. CLO4 Able to know the course material, schedule and competencies to be achieved **The final ability of each learning stage (LLO)** 1. LLO1 Able to master the concept of plant production systems and the factors that support plant production 2. LLO2 Able to explain the concept of agricultural development in Indonesia 3. LLO3 Able to master knowledge and cultivation technology in the field of breeding and apply it in accordance with GAP both independently and in groups 4. LLO4 Able to master knowledge and cultivation technology in the field of land management and apply it in accordance with GAP both independently and in groups

	5. LLO5 Able to master knowledge and cultivation technology in the field of plant maintenance and apply it in accordance with GAP both independently and in groups 6. LLO6 Able to master knowledge and cultivation technology in the fields of harvest and postharvest and apply it according to GAP both independently and in groups
Content	1. Aspects of plant cultivation and alternative technology 2. Science supporting plant cultivation technology 3. Life cycle 4. Uses of plants 5. Preparation of nursery media 6. Germination 7. Maintenance 8. Transplant 9. Production land 10. Land preparation 11. Processing tools 12. Rice field cultivation
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Suryanto, Agus. "Teknologi Produksi Tanaman Budi Daya". Malang:Universitas Brawijaya Press. (2019). 2. Yuwono, Triwibowo, et al. “Pengantar ilmu pertanian.” (2021). 3. Zulkarnain, Zulkarnain. Dasar-dasar hortikultura. PT Bumi Aksara, 2009. 4. Purba, D. W., Thohiron, M., Surjaningsih, D. R., Sagala, D., Ramdhini, R. N., Gandasari, D., ... & Manullang, S. O. (2020). Pengantar ilmu pertanian. Yayasan Kita Menulis.

Compulsory Courses

(2 nd Semester)

MODULE HANDBOOK
(AGRIBUSINESS MANAGEMENT)

A. Module Handbook or collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Agribusiness Management is a courses that underlie several courses that will be given in the following semesters. In this Agribusiness Management course you will be invited to learn lecture material at the basic/introductory level for several subjects such as production management, financial management, marketing management and discuss the application of this knowledge in managing an agricultural business. So students are encouraged to observe more about some of the agricultural businesses around them.
Module level, if applicable	Undergraduate
Code, if applicable	22U-222
Courses, if applicable	Agribusiness Management
Semester (s) in which the module is taught	Second Semester
Person responsible for the module	Francy Risvansuna Fivintari, S.P., M.P. Dr. Ir. Nur Rahmawati, M.P.
Lecturer	Francy Risvansuna Fivintari, S.P., M.P. Dr. Ir. Nur Rahmawati, M.P.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Type of teaching, contact hours	Activities: 1. Lecture in class (lecture, discussion, assignment) 2. Examinations 3. Structured activities (take home assignment, project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings, and independent study) This course uses blended learning via MyKlass.
Workload	4,53 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 3 x 45,33 hours = 135,99 hours

	Workload = 135,99 hours / 30 hours = 4,53 ECTS
Credit points	3 credit points
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is **75 %** out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)**: 1. PLO 2: Able to show creative, innovative attitude, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO 4: Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. Course Learning Outcomes (CLO): 1. CLO 1: Able to show creative, innovative, fighting spirit and responsibility. 2. CLO 2: Mastering the concepts and theories of agribusiness management. 3. CLO 3: Able to apply logical, critical, systematic, and innovative thinking in the field of agribusiness. The final ability of each learning stage (LLO): 1. LLO 1: Able to explain the scope of Agribusiness and Agribusiness management (CLO 2). 2. LLO 2: Able to explain the potential and constraints of Agribusiness (CLO 2). 3. LLO 3: Able to explain Organization in Agribusiness (CLO 2) 4. LLO 4: Able to explain human resources in Agribusiness (CLO 1) (CLO 3) 5. LLO 5: Able to explain the marketing system in Agribusiness (CLO 1) (CLO 3). 6. LLO 6: Able to explain the financial system in Agribusiness (CLO 1) (CLO 3).

	7. LLO 7: Able to explain risk management in Agribusiness (CLO 1) (CLO 3).

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7
PLO 2	**CLO 1**				√	√	√	√
PLO 4	**CLO 2**	√	√	√				
PLO 7	**CLO 3**				√	√	√	√

Content	1. Scope of Agribusiness and Agribusiness Management 2. Potential, Opportunities and Barriers of Agribusiness 3. Agribusiness Organizations 4. HR (Human Resources) in Agribusiness 5. Marketing System in Agribusiness 6. Financial Systems in Agribusiness 7. Risks in Agribusiness
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take home assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, MyKlass, stationery, whiteboard
Reading list	1. T, Rolando. (2022). *Manajemen Agribisnis*. CV. Jejak 2. Asir, Muhammad, dkk. (2022). *Ekonomi pertanian*. Penerbit Widina. 3. Maulidah, S. (2012). *Pengantar Manajemen Agribisnis*. Universitas Brawijaya Press. 4. Yunus, E. (2016). *Manajemen Strategis*. Penerbit Andi.

MODULE HANDBOOK
(AGRICULTURAL PRODUCTION TECHNIQUES)

A. Module Handbook or collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Agricultural production technology is a "Science and Engineering" which is applied to agricultural products after they are harvested for protection, conservation, processing, packaging, distribution, marketing, and utilization to meet the food and nutritional needs of the community. Post-harvest technology needs to be developed in line with community needs to stimulate agricultural production; prevent post-harvest losses, improve nutrition and add value to the product. The Post-harvest Technology course is designed with the aim that students are able to apply post-harvest handling technology for agricultural products, both fruits, vegetables and cereals to prepare products that suit market needs.
Module level, if applicable	Undergraduate
Code, if applicable	22P-212
Courses, if applicable	Agricultural Production Techniques
Semester (s) in which the module is taught	Second Semester
Person responsible for the module	Ir. Sukuriyati Susilo Dewi, M.S. Ir. Indira Prabasari, Ph.D. Ir. Nafi Ananda Utama, M.S. Ir. Titiek Widyastuti, M.S.
Lecturer	Ir. Sukuriyati Susilo Dewi, M.S. Ir. Indira Prabasari, Ph.D. Ir. Nafi Ananda Utama, M.S. Ir. Titiek Widyastuti, M.S.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Type of teaching, contact hours	Activities: 1. Lecture in class (lecture, discussion, assignment) 2. Practice (field and laboratory activities) 3. Examinations 4. Structured activities (take home assignment, project, review, summary) 5. Independent Studies (examination preparation, discussion, required readings, and independent study)

	This course uses blended learning via MyKlass.
Workload	6,04 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 4 SCU = 4 x 45,33 hours = 181,32 hours Workload = 181,32 hours / 30 hours = 6,04 ECTS
Credit points	2/1 credit points
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is **75 %** out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO) :** 1. PLO 1: Able to apply effective plant cultivation knowledge and technology in sustainable (modern and wisdom-based) agricultural systems local). 2. PLO 2: Capable apply plant cultivation technology oriented on upgrade production, efficiency, quality and sustainability in accordance with GAP (Good Agricultural Practices). 3. PLO 3: Able to make decisions logically, systematically and innovatively in solving system problems sustainable agricultural cultivation. 4. PLO 4: Able to communicate effectively in the language Indonesian and English. Course Learning Outcomes (CLO): 1. CLO 1: Able to understand the principles of post-harvest technology in a sustainable farming system in accordance with GAP. 2. CLO 2: Able to identify post-harvest problems in various agricultural products. 3. CLO 3: Able to implement appropriate post-harvest technology based on the type of agricultural product. 4. CLO 4: Capable communicate by effective post-harvest problems and

	technology that can be used as a solution to the problem. The final ability of each learning stage (LLO): 1. LLO 1: Able to explain about packing house and design good packaging; able to communicate effectively both orally and in writing. 2. LLO 2: Able to explain about room temperature storage and temperature cold; able communicate effectively both orally and in writing. 3. LLO 3: Able to explain about MAP (Modified Atmospheric packaging); able to communicate effectively both orally and in writing. 4. LLO 4: Able to explain the transportation system in post-harvest handling; ; able to communicate effectively both orally and in writing. 5. LLO 5: Able to explain post-harvest technology for tropical and subtropical fruits; able to communicate effectively both orally and in writing. 6. LLO 6: Able to explain about post-harvest problems agricultural products; able to communicate effectively both orally and in writing.
Content	1. The importance of post-harvest handling. 2. Technology used in post-harvest handling. 3. Manual harvesting. 4. Effect of temperature on damage. 5. Chilling injury. 6. MAP principle. 7. Gas mixing method. 8. Combination with active packaging. 9. Land freight, sea freight, air freight. 10. Characteristics of sub-tropical fruit, post-harvest handling procedures for subtropical fruit. Post-harvest handling procedures for avocado/mango. 11. Characteristics of cereals and legumes. Post-harvest technology for rice, post-harvest handling technology for beans. 12. Post-harvest technology for apples. Post-harvest technology for fruit pear.

	13. Harvesting, field packing, packing house operations, cooling, recommend storage conditions. 14. Quality control. 15. HACCP
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take home assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, MyKlass, stationery, whiteboard
Reading list	1. Modified Atmosphere Packaging Technology MAP (Modified Atmosphere Packaging). Journal of Agricultural Postharvest Research. Agricultural Research and Development Agency. 2. Nugraha, S. 2012. Postharvest Technological Innovation to Reduce Yield Loss and Maintain Grain/Rice Quality at Farmer Level. Agricultural Postharvest Technology Bulletin 8 (1). Center for Agricultural Postharvest Research and Development.

MODULE HANDBOOK
(AGRICULTURAL SOCIOLOGY)

A. Module Handbook or collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Agricultural Sociology Course consists of 2 credits. Concepts in agricultural sociology are basic concepts that must be studied in understanding and developing the socio-economic field of agriculture. In this course, students are expected to understand basic concepts such as social structure, social capital, social problems, social change, social processes, culture, moderation, globalization, rural and urban communities. These concepts are the basic concepts needed as a prospective agricultural graduate, especially in the field of Agribusiness as a person's profession, entrepreneur, manager, researcher or consultant.
Module level, if applicable	Undergraduate
Code, if applicable	22P-232
Courses, if applicable	Agricultural Sociology
Semester (s) in which the module is taught	Second Semester
Person responsible for the module	Dr. Ir. Indardi, M.Si. Zuhud Rozaki, Ph.D.
Lecturer	Dr. Ir. Indardi, M.Si. Zuhud Rozaki, Ph.D.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Type of teaching, contact hours	Activities: 1. Lecture in class (lecture, discussion, assignment) 2. Examinations 3. Structured activities (take home assignment, project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings, and independent study) This course uses blended learning via MyKlass.
Workload	3,02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours

	2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 credit points
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is **75 %** out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)**: 1. PLO 3: Able to understand synergies in time according to their area of expertise. 2. PLO 6: Mastering the concepts and principles of information technology-based business communication. 3. PLO 7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. Course Learning Outcomes (CLO): 1. CLO 1: Able to work in a team synergistically in the community. 2. CLO 2: Mastering the concepts and principles of communication. 3. CLO 3: Able to apply logical and critical thinking in community development. . The final ability of each learning stage (LLO): 1. LLO 1: Able to understand social structure, social capital, social problems, social change and social processes (CLO 1). 2. LLO 2: Able to understand culture, modernization and globalization (CLO 2). 3. LLO 3: Able to understand rural and urban communities (CLO 3). 4. LLO 4: Able to understand settlement forms (CLO 3).

Correlation PLO, CLO and LLO					
		LLO 1	**LLO 2**	**LLO 3**	**LLO 4**
PLO 3	**CLO 1**	√			
PLO 6	CLO 2		√		
PLO 7	CLO 3			√	√

Content	1. Social Structure 2. Social Capital 3. Culture 4. Social Change 5. Social Process 6. Modernization 7. Globalization 8. Social Issues 9. Rural and Urban Communities 10. Form of Solution
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take home assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, MyKlass, stationery, whiteboard
Reading list	1. Wallace C. Olsen (1991) Agritulcultural Economics and Rural Sociology: The Comtemporary Core Literature. Cornell University. New York. 2. Damsar dan Indrayani (2016) Pengantar Sosiologi Pedesaan. Kencana. Jakarta 3. Asriyanti Syarif dan Mutmainnah Zainuddin (2017) Intisari Sosiologi Pertanian. Inti Mediatama. Makasar 4. Soekanto, Soerjono., Sulistyowati, Budi. 2017. Sosiologi Suatu Pengantar. Jakarta : Rajawali Pers. 5. Michael Carolan (2012) The Sociology of Food and Agriculture (Second Edition). Routledge. New York 6. Hendropuspito. 1989. Sosiologi Sistematika. Jakarta : Kanisius. 7. Rosyada, Dede. 1993. Hukum Islam dan Pranata Sosial.Jakarta : Rajawali Pers. 8. Subakti, A. Ramlan dkk.2011. Sosiologi Teks Pengantar dan Terapan.

	Jakarta: Kencana Prenada Media Group.

MODULE HANDBOOK
(FIQIH OF WORSHIP AND MUAMALAH)

A. Module Handbook or collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	This course is designed to provide knowledge about the basic rules of understanding the Qur'an and al-Hadith related to the concept of understanding the Qur'an and Sunnah, the concept of worship law, and the concept of muamalah law so that students get the concept of understanding the Qur'an and as-Sunnah. Sunnah correctly so as not to fall into the wrong and misguided understanding and can be applied in daily life according to the guidance. This course focuses on three competencies, namely: the basic rules of ijtihad, the concept of understanding the fiqh of worship, and the concept of understanding the fiqh of muamalah. The purpose of general instruction from this course is that students are expected to be able to understand the concept of Islamic law by understanding the basic rules of ijtihad based on the Al -Quran and as-Sunnah; students are able to understand legal concepts in the realm of mahdhah/special worship; and students are able to understand legal concepts in the realm of ghairu mahdhah/general worship.
Module level, if applicable	Undergraduate
Code, if applicable	22P-131
Courses, if applicable	Fiqih of Worship and Muamalah
Semester (s) in which the module is taught	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Person responsible for the module	Asep Setiawan, S.Th.I., M.Ud. Dr. Rohmansyah, S.Th.I., M. Hum Dr. Halim Purnomo, M.Pd.I Dr. Firman Mansir, M.Pd.I
Lecturer	Asep Setiawan, S.Th.I., M.Ud. Dr. Rohmansyah, S.Th.I., M. Hum Dr. Halim Purnomo, M.Pd.I Dr. Firman Mansir, M.Pd.I
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Type of teaching, contact hours	Activities:

	1. Lecture in class (lecture, discussion, assignment) 2. Examinations 3. Structured activities (take home assignment, project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings, and independent study) This course uses blended learning via MyKlass.
Workload	3,02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 credit points
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is **75 %** out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO) :** 1. PLO 1: Knowing the basic concepts of ijtihad in the perspective of Islamic law in the morality of the Al -Quran and as-Sunnah. 2. PLO 2: Concluding the basic concepts of ijtihad in the perspective of Islamic law in the morality of the Al -Quran and as-Sunnah in its application to the realm of worship and muamalah. 3. PLO 3: Believing in the truth of Islamic law and being able to show religious attitudes by internalizing and practicing the values of worship and muamalah contained in the Qur'an and as-Sunnah. 4. PLO 4: Identify the problems of worship and muamalah based on the basic concepts in ijtihad and the rules for understanding the Al -Quran and the Sunnah correctly.

	Course Learning Outcomes (CLO): 1. CLO 1: Fear of God Almighty and able to show a religious attitude. 2. CLO 2: Implementing the content, content, and how to understand the source of Islamic teachings. 3. CLO 3: Knowing the reason and principles of law in Islam. 4. CLO 4: Knowing the content, content, and how to understand the sources of Islamic teachings as well as reason and legal principles in Islam. . The final ability of each learning stage (LLO): 1. LLO 1: Fear of God Almighty and able to show a religious attitude. 2. LLO 2: Internalizing academic values, norms, and ethics. 3. LLO 3: Upholding Islamic values in carrying out tasks based on the instructions of the Qur'an and al-Hadith. 4. LLO 4: Knowing the reason and principles of law in Islam.
Content	1. Introduction to Islamic Law 2. Purpose & Characteristics of Islamic Law 3. Concept of Ijtihad 4. Recognizing the Differences in Madzhab 5. Principles of the Law of Worship 6. Principles of Muamalah Law 7. Fiqh Zakat & Inheritance 8. Fiqh Prayer & Fasting 9. Marriage Jurisprudence 10. Jurisprudence Buying and Selling 11. National & State Jurisprudence
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take home assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, MyKlass, stationery, whiteboard
Reading list	1. Ahmad Syafi'i Ma'arif, Islam dan Pengembangan Disiplin Ilmu; Sebuah transformasi Nilai, LPPI UMY, 2003. 2. Muhammad Ikhsan, dkk., Islamisasi Kampus dan Ilmu Pengetahuan, LPPI UMY, 2002.

	3. Imamuddin Yuliadi, Ekonomi Islam; Filosofi, Teori, dan Implementasi, LPPI UMY, 2007. 4. Noor Chozin Agham, Islam Berkemajuan Gaya Muhammadiyah; Telaah Terhadap Akidah, Akhlak, Ibadah, dan Mu'amalah Duniawiyah, UHAMKA PRESS, Jakarta Selatan, 2015. 5. Syakir Jamaluddin, Sholat Sesuai Tuntunan Nabi saw; Mengupas Kontroversi Hadis Sekitar Sholat, LPPI UMY, 2010. 6. Tim Penyeusun Majelis Tarjih dan Tajdid PP. Muhammadiyah, Himpunan Putusan Majelis Tarjih, Suara Muhammadiyah, Yogyakarta, 2015. 7. Tim Penyeusun Majelis Tarjih dan Tajdid PP. Muhammadiyah, Tafsir at-Tanwir; Juz 1, Majelis Tarjih dan Tajdid Pimpinan Pusat Muhammadiyah, Yogyakarta, 2016.

MODULE HANDBOOK
(MICROECONOMICS)

A. Module Handbook or collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Microeconomics is a course that discusses or analyzes individual economic behavior which includes: consumer behavior, producer behavior and markets. This approach focuses more on mastering basic concepts in depth which is complemented by mastery of mathematical aids. The lecture material starts from the basic concepts of economics, the basic concepts of demand and supply, the theory of consumer behavior, the theory of production, the theory of costs and the balance of companies in various market structures.
Module level, if applicable	Undergraduate
Code, if applicable	22U 232
Courses, if applicable	Microeconomics
Semester (s) in which the module is taught	Second Semester
Person responsible for the module	Ir. Lestari Rahayu, M.P. Ir. Eni Istiyanti, M.P.
Lecturer	Ir. Lestari Rahayu, M.P. Ir. Eni Istiyanti, M.P.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Type of teaching, contact hours	Activities: 1. Lecture in class (lecture, discussion, assignment) 2. Examinations 3. Structured activities (take home assignment, project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings, and independent study) This course uses blended learning via MyKlass.
Workload	4,53 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 3 x 45,33 hours = 135,99 hours

	Workload = 135,99 hours / 30 hours = 4,53 ECTS
Credit points	3 credit points
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is **75 %** out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO) :** 1. PLO 3: Able to work in a team in synergy according to their area of expertise. 2. PLO 4: Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. Course Learning Outcomes (CLO): 1. CLO 1: Able to work in a team synergistically. 2. CLO 2: Mastering the concepts and theories of microeconomics. 3. CLO 3: Able to apply logical, critical, systematic, and innovative thinking. The final ability of each learning stage (LLO): 1. LLO 1: Able to explain the definition, scope of microeconomics and economic problems. 2. LLO 2: Able to explain the function of consumer households and producer households in economic activities. 3. LLO 3: Able to explain demand, supply and the factors that influence it in consumer households. 4. LLO 4: Able to explain consumer behavior with the theory of utility, ordinal and consumer balance logically and critically. 5. LLO 5: Able to analyze production, costs and factors that affect the Company's Household logically and critically.

	6. LLO 6: Able to work together in a synergistic team in analyzing producer behavior in various market structures.

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 3	**CLO 1**						√
PLO 4	**CLO 2**	√	√	√	√	√	√
PLO 7	**CLO 3**				√	√	

Content	1. The basic concepts of economics and the scope of microeconomics 2. The basic concept of supply and demand and market equilibrium 3. Elasticity of Demand and Supply 4. The theory of consumer behavior 5. The theory of production 6. The theory of Production Costs, Revenues and Profits 7. The structure of a perfectly competitive market and imperfect competition
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take home assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, MyKlass, stationery, whiteboard
Reading list	1. Rahayu,L & Istiyanti,E. 2017. Diktat Ekonomi Mikro. Program Studi Agribisnis, Fakultas Pertanian, Universitas Muhammadiyah Yogyakarta 2. Boediono. 2018. Ekonomi Mikro. BPFE. Yogyakarta 3. Basuki, A.T. & Yuliadi,I. 2019. Pengantar Ekonomi Mikro. Gosyen Publishing. Yogyakarta 4. Sabri, dkk. 2018. Ekonomi Mikro, Sebuah Kajian Komprehensif. Trussmedia Grafika. Bantul

MODULE HANDBOOK
(PANCASILA AND CITIZENSHIP)

A. Module Handbook or collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Pancasila and Civics courses are courses designed so that students understand the relationship between the spirit of nationalism-patriotism and the development of an environment with a national perspective. By understanding this, students are expected to be able to revitalize the role of agriculture in realizing food independence and environmental development with a national perspective.
Module level, if applicable	Undergraduate
Code, if applicable	22L 211
Courses, if applicable	Pancasila and Citizenship
Semester (s) in which the module is taught	Second Semester
Person responsible for the module	Dr. Sriyadi, S.P., M.P.
Lecturer	Dr. Sriyadi, S.P., M.P.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Type of teaching, contact hours	Activities: 1. Lecture in class (lecture, discussion, assignment) 2. Examinations 3. Structured activities (take home assignment, project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings, and independent study) This course uses blended learning via MyKlass.
Workload	3,02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 credit points
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is **75 %** out

	of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)**): 1. PLO 2: Able to demonstrate creativity, innovation, fighting spirit and responsibility for the rule of law, norms and ethics. 2. PLO 4: Mastering the concepts and theories of economics, management, business and technology in agriculture based on Pancasila. 3. PLO 7: Able to apply logical, critical, systematic, and innovative thinking in the context of development or implemention science and technology in accordance with their field of expertise. Course Learning Outcomes (CLO): 1. CLO 1: Able to demonstrate an attitude of responsibility towards the rule of law, norms and ethics. 2. CLO 2: Mastering the concepts and theories of economics and business based on Pancasila. 3. CLO 3: Able to apply logical, critical thinking in the implementation of Pancasila. The final ability of each learning stage (LLO): 1. LLO 1: Able to contribute to improving the quality of life. 2. LLO 2: Able to implement the concept of macroeconomic concepts and development in general (CLO 2) 3. LLO 3: Able to Explain Hankamnas and Hankamrata (CLO 3) 4. LLO 4: Able to think logically, critically, and innovatively towards science and technology that pay attention to and apply the value of the humanities (CLO 3)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4
PLO 3	**CLO 1**	√			
PLO 4	**CLO 2**		√		
PLO 7	**CLO 3**			√	√

Content	1. Background in Pancasila Education and Citizenship 2. The Scope of Pancasila Education and Citizenship 3. Transformation of Pancasila Education in Citizenship 4. Islam Source of Pancasila Education and Citizenship 5. The Philosophy of the Hankamnas and Hankamrata Systems 6. Hankamnas and Hankamrata Based Agriculture 7. Hankamnas, Hankamrata based environment and community empowerment 8. Simulation of Hankamnas and Hankamrata
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take home assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, MyKlass, stationery, whiteboard
Reading list	1. Nurwardani, Paristiyanti, dkk. (2016). Pendidikan Pancasila untuk Perguruan Tinggi. Jakarta: Direktorat Jenderal Pembelajaran dan Kemahasiswaan. 2. Ermanovida., Syarifuddin. (2018). Buku ajar pendidikan kewarganegaraan. Palembang: Unsri. Press. 3. Sulaiman, Asep. (2015). Pendidikan Pancasila dan Kewarganegaraan. Cv Arfino Raya. Bandung,

MODULE HANDBOOK
(STATISTICS)

A. Module Handbook or collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Statistics is the science that studies how to plan, collect, analyze, interpret, and present data. While the definition of statistics is the result of data presented in the form of tables, graphs and so on. Statistics are records or numbers collected, tabulated, classified so as to provide meaningful information about a problem or symptom. Statistical Method there are 2, namely Descriptive Statistics and Inferential Statistics. Descriptive statistics are limited to presenting data in the form of tables, diagrams, graphs, and other quantities, while inferential statistics in addition to including descriptive statistics can also be used to estimate and draw conclusions to the population from its sample. To arrive at the conclusion of statistical inference through the hypothesis test stage and statistical test.
Module level, if applicable	Undergraduate
Code, if applicable	22U 322
Courses, if applicable	Statistics
Semester (s) in which the module is taught	Second Semester
Person responsible for the module	Dr. Ir. Widodo, M.P. Ir. Lestari Rahayu, M.P.
Lecturer	Dr. Ir. Widodo, M.P. Ir. Lestari Rahayu, M.P.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Type of teaching, contact hours	Activities: 1. Lecture in class (lecture, discussion, assignment) 2. Examinations 3. Structured activities (take home assignment, project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings, and independent study) This course uses blended learning via MyKlass.
Workload	4,53 ECTS

	1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4,53 ECTS
Credit points	2/1 credit points
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is **75 %** out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO):** 1. PLO 2: Able to show creative, innovative attitude, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO 4: Mastering quantitative and qualitative analysis techniques for strategic and operational decision making. 3. PLO 7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. Course Learning Outcomes (CLO): 1. CLO 1: Able to show creative, innovative, and responsible attitude. 2. CLO 2: Mastering quantitative analysis techniques. 3. CLO 3: Able to apply logical, critical and systematic thinking. The final ability of each learning stage (LLO): 1. LLO 1: Able to explain basic understanding related to statistics. 2. LLO 2: Able to present the results of data analysis in tables and graphs. 3. LLO 3: Able to analyze centralized symptoms and distribution of data from a data set. 4. LLO 4: Able to explain the basic theory of probability and its application to the case of agribusiness.

	5. LLO 5: Able to perform statistical value restoration and hypothesis testing. 6. LLO 6: Able to perform tests accordingly. 7. LLO 7: Able to perform regression and correlation analysis.

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7
PLO 2	**CLO 1**	√	√	√				
PLO 4	CLO 2					√	√	√
PLO 7	CLO 3				√			

Content	1. Basic knowledge of Statistics 2. Presentation of data 3. Central symptom size 4. Data distribution size 5. Theoretical probability distribution 6. Theory of presumption 7. Test hypotheses on infinite samples 8. Test hypotheses on small samples 9. Quadratic chi test 10. Correlation and simple regression
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take home assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, MyKlass, stationery, whiteboard
Reading list	1. Muray R Spiegel, 2006. Statistika Seri Buku Schaum. Erlangga 2. Douglas A Lind, William G Marchal, Samuel A Wathen. Basics Statistics for Business & Econimics. McGrawHill Pub. 3. Durmus Ozdemir. 2016. Applied Statistics for Business and Economics. Springer International Pub.

MODULE HANDBOOK
(THEMATIC INTERPRETATION)

A. Module Handbook or collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	This religion course discusses the introduction to the science of the Qur'an and Hadith, methods of understanding the Qur'an and Hadith, the content of the Qur'an, humans in the Qur'an and Hadith, the concept of science in the Qur'an. 'an and hadith, the concept of jihad in the Qur'an Hadith, work ethic in the Qur'an and al-Qur'an and the development of civilized society. The Religion course is one of the compulsory Al-Islam courses aimed at supporting the main competence, namely being able to understand and know the methods of understanding the Qur'an and hadith and applying them to the context of Islamic scientific studies.
Module level, if applicable	Undergraduate
Code, if applicable	22P-141
Courses, if applicable	Thematic Interpretation
Semester (s) in which the module is taught	Second Semester
Person responsible for the module	Asep Setiawan, S.Th.I., M.Ud.
Lecturer	Asep Setiawan, S.Th.I., M.Ud.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 2nd semester
Type of teaching, contact hours	Activities: 1. Lecture in class (lecture, discussion, assignment) 2. Examinations 3. Structured activities (take home assignment, project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings, and independent study) This course uses blended learning via MyKlass.
Workload	3,02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours

	Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 credit points
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is **75 %** out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)**: 1. PLO 1: Explain the meaning of the Qur'an, the definition of hadith and the science of hadith, and understand the method of the Qur'an. 2. PLO 2: Know and understand the method of hadith, the content of the Qur'an and human nature in the Qur'an and Hadith. 3. PLO 3: Understanding the concepts of science, jihad and life in the Qur'an and Hadith. 4. PLO 4: Understand the work ethic in the Qur'an and hadith and understand the development of the Qur'an and civilization of society. Course Learning Outcomes (CLO): 1. CLO 1: Knowing the content, content and how to understand the source of Islamic teachings. 2. CLO 2: Ability to instill the values of the Qur'an and al-Hadith as a way of life. 3. CLO 3: Cognitive aspects and thinking skills, such as being able to read the Koran and hadith, carry out worship based on the Koran and hadith and know the source of the contents of the Koran and hadith as the main source of Islamic teachings so as to give birth to an attitude and personality of faith and piety to Allah SWT. 4. CLO 4: Able to apply religious values in the form of religious attitudes such as displaying the characteristics of faith and piety, carrying out worship according to the guidance of the Qur'an and hadith and upholding religious, moral and ethical values

	both in academics on campus and outside campus. . The final ability of each learning stage (LLO): 1. LLO 1: Students are able to explain about the intricacies of the Qur'an and are able to explain about the Science of the Qur'an, the Science of Interpretation and the Method of Understanding the Qur'an. 2. LLO 2: Students are able to explain about Hadith and are able to explain about Hadith Science and how to understand hadith. 3. LLO 3: Students are able to explain Humans in the Perspective of the Qur'an and Hadith and are able to explain the Universe in the Perspective of the Qur'an and Hadith. 4. LLO 4: Students are able to explain Science and Charity in the Perspective of the Qur'an and Hadith and are able to explain Economics in the Perspective of the Qur'an and Hadith. 5. LLO 5: Students are able to explain Politics and Leadership in the Perspective of the Qur'an and Hadith and are able to explain the Concept of State and Democracy in the Perspective of the Qur'an and Hadith.
Content	1. The Intricacies of the Qur'an 2. Knowledge of the Qur'an, Science of Interpretation and Methods of Understanding the Qur'an 3. Regarding Hadith 4. Science of Hadith and How to Understand Hadith 5. Humans in the Perspective of the Qur'an and Hadith 6. The Universe in the Perspective of the Qur'an and Hadith 7. Knowledge and Charity in the Perspective of the Qur'an and Hadith 8. Economics in the Perspective of the Qur'an and Hadith 9. Politics and Leadership in the Perspective of the Qur'an and Hadith 10. Concepts of the State and Democracy in the Perspective of the Qur'an and Hadith

Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take home assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, MyKlass, stationery, whiteboard
Reading list	1. Quraish Shihab, Wawasan Al-Qur'an, Bandung: Mizan 2. Yusuf Qardhawi, Metode Interaksi dengan Al-Qur'an, Jakarta: Pustaka al-Kautsar 3. M. Syuhudi Ismail Ilmu Hadits, Jakarta: Bulan Bintang 4. M. Syuhudi Ismail, Hadis Nabi yang Tekstual dan Kontekstual, Jakarta: Bulan Bintang 5. Athaillah, Sejarah al-Qur'an, Yogyakarta, Pustaka Pelajar. 6. Quraish Shihab, Membumikan Al-Qur'an, Bandung: Mizan 7. Abuddin Nata, dkk., Tema-tema Pokok al-Qur'an (Bagian I), Jakarta: Biro Bina Mental DKI Jakarta, 1994 8. Manna Khalil Al-Qattan, Studi Ilmu Al-Qur'an, Bogor, Lentera Antar Nusa. 9. Yusuf Qardhawi, Pengantar Kajian Islam, Jakarta: Pustaka al-Kautsar 10. M. M. Azami, Memahami Ilmu Hadis: Telaah Metodologi dan Literatur Hadis, terj. Meth Kieraha, Jakarta: Lentera, 2003. 11. Muhammad Alawi al-Maliki, Ilmu Ushul Hadis, Yogyakarta: Pustaka Pelajar, 2012. 12. Teungku Muhammad Hasbi Ash-Shidieqy, Sejarah dan Pengantar Ilmu Hadits, Semarang: Pustak Rizki Putra, 2010. 13. Abdul Aziz Muhammad Azzam, Fiqh Muamalah, Jakarta: Amzah 14. Taufiq Asy-Syawi, Syura Bukan Demokrasi, Jakarta: Gema Insani Press.

Compulsory Courses

(3 rd Semester)

MODULE HANDBOOK
(AGRICULTURAL PRODUCTION MANAGEMENT)

Module designation	The Agricultural Production Management course discusses the basic concepts and scope of production management, product planning, location and layout and human resource planning, demand planning using forecasting analysis, inventory management and usage optimization analysis using linear programming.
Module level	Undergraduate
Code	22U 223
Courses	Agricultural Production Management
Semester	Third Semester
Person in charge of the module	Ir. Eni Istiyanti, M.P.
Language	Indonesia
Lecturer	1. Ir. Eni Istiyanti, M.P. 2. Francy Risvansuna, S.P., M.P
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO 3 (S3) Able to work together in a synergistic team according to their field of expertise. 2. PLO 4 (P1)

	Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7 (KU) Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO 8 (KK) Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to work in a team synergistically 2. CLO2 Mastering management concepts and theories in the field of agricultural production 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in the field of agricultural production management 4. CLO4 Able to plan, manage, and develop agricultural resources **The final ability of each learning stage (LLO)** 1. LLO 1 Able to explain the scope of agricultural production management (CLO 2) 2. LLO 2 Able to work together in a synergistic team to design and develop products (CLO 1, CLO4) 3. LLO 3 Able to apply logical, critical, systematic, and innovative thinking to determine efficient company locations (CLO2, CLO3) 4. LLO 4 Able to plan the design and layout of company facilities logically and systematically (CLO 3, CLO4) 5. LLO 5

	Able to analyze raw material inventory with minimum cost logically and systematically (CLO2, CLO3) 6. LLO 6 Able to plan the allocation of labor in the field of production (CLO4) 7. LLO 7 Able to perform demand forecasting analysis with various methods logically and systematically (CLO2, CLO3) 8. LLO 8 Able to perform optimization analysis using linear programming (CLO2)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8
PLO 3	**CLO 1**		√						
PLO 4	**CLO 2**	√		√		√		√	√
PLO 7	**CLO 3**			√	√	√		√	
PLO 8	**CLO 4**		√		√		√		√

Content	1. Production and operation management 2. Product design and development 3. Determining the location of the company 4. Design and layout of company facilities 5. Inventory management 6. Human resource planning 7. Forecasting method (Forecasting) 8. Linear programming
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Eunike, A. dkk. 2021. Perencanaan Produksi dan Pengendalian Persediaan: Edisi Revisi. Universitas Brawijaya Press. Malang 2. Widjaja, W. dkk. 2022. *Manajemen Produksi dan Operasi*. Penerbit Yayasan Cendikia Mulia Mandiri 3. Dyanasari. 2018. Manajemen Operasional Agribisnis. Yogyakarta : Deepublish 4. Zainal, M. 2016. Manajemen Produksi Buah-buahan Budidaya Tanaman Buah. Yogyakarta : Aswaja Pressindo

MODULE HANDBOOK
(E-COMMERCE AGRIBUSINESS)

Module designation	E-commerce agribusiness is a course that discusses the principles of e-commerce in business in agriculture, information technology innovation in agricultural product marketing (digital marketing), e-commerce business models, virtual value chains and marketplaces. In addition, issues surrounding transaction security, code of ethics, copyright and policies will also be explored.
Module level	Undergraduate
Code	22U-412
Courses	E-commerce Agribusiness
Semester	Third Semester
Person in charge of the module	Heri Akhmadi, S.P., M.A.
Language	Indonesia
Lecturer	Heri Akhmadi, S.P., M.A.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	**4,53 ECTS** 1 SCU = 170 minutes x 16 meetings = 2.720 minutes = **45,33 hours** 3 SCU = 2 x 45,33 hours = **135,99 hours** Worrkload = 135,99 hours / 30 hours = **4,53 ECTS**
Credit points	*2/1 poin kredit*
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO 1(S10) Internalize the spirit of independence, struggle, and entrepreneurship 2. PLO 2(PP10) Mastering the concept of information technology-based communication 3. PLO 3(KK9)

	Able to demonstrate independent, quality, and measurable performance 4. PLO 4(KU2) Utilizing information technology to develop local resource-based agribusiness with global competitiveness **Course Learning Outcomes (CLO)** 1. CLO1 Internalize the spirit of independence, struggle, and entrepreneurship 2. CLO2 Mastering the concept of information technology-based communication 3. CLO3 Able to demonstrate independent, quality, and measurable performance 4. CLO4 Utilizing information technology to develop local resource-based agribusiness with global competitiveness **The final ability of each learning stage (LLO)** 1. LLO 1 Able to understand E-commerce and E-agribusiness (CLO 1) 2. LLO 2 Able to understand the E-Commerce business model (CLO 2) 3. LLO 3 Able to understand case studies of agricultural E-commerce in Indonesia (CLO3) 4. LLO 4 Able to understand technology in E-Commerce, marketplace, and digital marketing (CLO 4)
Content	1. E-commerce Introduction 2. E-Agribusiness 3. E-commerce Business Model 4. Technology in E-Commerce 5. Marketplace 6. Digital Marketing 7. A Case Study of Agricultural E-commerce in Indonesia
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard

References	1. Akbar, M. A., & Alam, S. N. (2020). E-COMMERCE: Dasar Teori Dalam Bisnis Digital. Yayasan Kita Menulis. 2. Rerung, R. (2018). E-Commerce, Menciptakan Daya Saing Melalui Teknologi Informasi. Penerbit Deepublish. Yogyakarta 3. Sewaka. Aggraini, K. Sunarsih, D. (2022). Digital Marketing. Pascal Books 4. Subagia, A. (2017). Membangun Aplikasi Dengan Codeigniter Dan Database SQL Server. Elex Media Komputindo.

MODULE HANDBOOK
(HUMAN RESOURCE MANAGEMENT)

Module designation	Human Resource Management (22U-233) is a course that is prepared to provide students with provisions to be able to effectively manage human resources within the company in order to achieve the company's goals, vision, and mission. This course is very important to support the profile of graduates of the Agribusiness Study Program.
Module level	Undergraduate
Code	22U 233
Courses	Human Resource Management
Semester	Third Semester
Person in charge of the module	Francy Risvansuna Fivintari, S.P., M.P.
Language	Indonesia
Lecturer	1. Francy Risvansuna Fivintari, S.P., M.P. 2. Dr.Ir. Nur Rahmawati, MP 3. Muhammad Fauzan, SP., M.Sc
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3.02 ECTS
Credit points	2 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Expected Learning Outcomes (PLO)** 1. PLO 3 (S3) Able to work in a team in synergy according to their area of expertise. 2. PLO 4 (P1)

	Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles 3. PLO 7 (KU) Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO 8 (KK) Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to work in a team synergistically. 2. CLO2 Mastering management concepts and theories 3. CLO3 Able to apply logical and critical thinking in the field of human resources 4. CLO 4 Able to plan, manage, and develop agricultural business units from the aspect of human resources. **The final ability of each learning stage (LLO)** 1. LLO 1 Able to explain about human resource management and its relationship with the management process (CLO 2) (CLO3) 2. LLO 2 Able to explain the strategic role of HR management (CLO 1) (CLO 2) 3. LLO 3 Able to explain the relationship between employee and managerial unions (CLO 2) (CLO3). 4. LLO 4 Able to explain and analyze planning, recruitment, selection and placement of workers (CLO 2) (CLO 3) (CLO 4) 5. LLO 5 Able to explain about orientation, employee training and career development (CLO 2) (CLO 4)

	6. LLO 6 Able to explain the basis for determining wages/salaries (CLO2)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 3	**CLO 1**	√	√				
PLO 4	**CLO 2**	√	√	√	√	√	√
PLO 7	**CLO 3**	√		√	√		
PLO 8	**CLO 4**				√	√	

Content	1. Scope of Human Resource Management 2. The Strategic Role of HR Management 3. Employee and Managerial Relations 4. Planning, Recruitment, Selection and Placement of Manpower 5. Employee training and career development 6. Compensation
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom,stationery, whiteboard
References	1. Busro, M. (2018). *Teori-teori manajemen sumber daya manusia*. Prenada Media. 2. Cooke, L, Kim, Sunghoon. (2017).Routledge Handbook of Human Resource Management in Asia. Taylor & Francis. 3. Sabrina, R, Sulasmi, Emilda. (2021). Manajemen Sumber Daya Manusia. UMSU Press.Medan. 4. Purnaya, I. G. K., & SE, S. (2016). *Manajemen Sumber Daya Manusia*. Penerbit Andi. 5. Supomo, R., & Nurhayati, E. (2018). Manajemen Sumber Daya Manusia.

MODULE HANDBOOK
(MACRO ECONOMICS)

Module designation	Business in agriculture is inseparable from the company's internal and external environmental factors. Internal factors can be controlled by the company while external factors are factors that cannot be controlled by the company but will affect the running of the company. Macroeconomic Policy course as a way to see the influence of external conditions in business. Variables in macroeconomics such as national income, fiscal and monetary policies, inflation, interest rates, employment opportunities, and exchange rates will affect internal business conditions in making strategies or company policies, so that companies can anticipate and adapt based on macroeconomic conditions.
Module level	Undergraduate
Code	22U-414
Courses	Macro Economics
Semester	Third Semester
Person in charge of the module	Dr. Susanawati, S.P., M.P.
Language	Indonesia
Lecturer	1. Dr. Susanawati, S.P., M.P. 2. Ir. Diah Rina Kamardiani, M.P.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3,02 ECTS
Credit points	3 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO 3

	Able to show creative, innovative attitude, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO 4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7 (KU) Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1 Able to show innovative and creative attitude towards the economic system in Indonesia. (LOG3) 2. CLO2 Mastering macroeconomic concepts and theories. (LOG4) 3. CLO3 Able to apply thinking systematically in the context of macroeconomic development.(LOG7) **The final ability of each learning stage (LLO)** 1. LLO1 Able to identify the company's environment both internal and external and macroeconomic problems. (CLO 2) 2. LLO2 Able to analyze national income, taxes and its multiplier. (CLO3) (CLO 1) 3. LLO3 Able to explain the concept of goods market and money market and market balance. (CLO1) 4. LLO4 Able to explain the effectiveness of fiscal and monetary policy. (CLO2) (CLO3) 5. LLO5 Able to analyze inflation, unemployment and inflation-unemployment trade off. (CLO1) (CLO2) 6. LLO6

	Able to explain the labor market, long-term economic growth, and foreign exchange. (CLO2) (CLO3)

Correlation PLO, CLO and LLO							
		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 3	**CLO 1**		√	√		√	
PLO 4	**CLO 2**	√			√	√	
PLO 7	**CLO 3**		√		√		√

Content	1. Environmental and Macroeconomic Issues 2. National income 3. Tax & multiplier 4. Goods Market 5. Money Market 6. Total balance 7. Effectiveness of Fiscal & Monetary Policy 8. Macroeconomic Policy 9. Inflation 10. Unemployment 11. Labor Market 12. Long-term economic growth 13. Foreign Exchange
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Kurniawan, P, Budhi, S. 2015. Pengantar Ekonomi Mikro dan Makro. Edisi kedua. CV. Andi Offset. Yogyakarta. 2. Boediono. 2013. Ekonomi Makro.Seri Sinopsis Pengantar Ilmu Ekonomi No.2. BPFE. Yogyakarta. 3. Hasyim, Ali Ibrahim. 2017. Ekonomi Makro. Penerbit Kencana. Depok. 4. Pristyadi, B. dan Sukaris. 2020. Pengantar Teori Ekonomi Makro. Penerbit Indomedika Pustaka. Yogyakarta. 5. Blanchard, O. dan Johnson, D.R. 2017. Makro Ekonomi. Penerbit Erlangga. Jakarta. 6. Ariwibowo, H., Wirapraja, A., dan Wjoyo, Iman. 2019. Mudah Memahami dan Mengimplementasikan Ekonomi Makro. Penerbit Andi Offset. Yogyakarta.

MODULE HANDBOOK
(SYARIAH BUSINESS)

Module designation	Syari'ah Business is a course with a weight of 2 credits with a practicum of 1 credit given in Semester IV. Through this course, students are introduced to the basic principles of Sharia business development; aqad which is the basis for developing Sharia Business products; sharia banking products; analysis of shari'ah financing, BMT operational principles; sharia insurance products; and sharia pawnshop products. By taking the Sharia Business course, students are expected to have a correct understanding of the concepts, principles and product development of Sharia Business, as the basis for their actions in interacting with Sharia Business. The attitude towards the development of Sharia Business, which is based on a correct understanding of the sharia concept, should be possessed by the Agribusiness Bachelor-UMY, considering that UMY is an institution that has a commitment to explore Islamic values in the development of science, and to produce graduates with Islamic morals.
Module level	Undergraduate
Code	22P 114
Courses	Syariah Business
Semester	Third Semester
Person in charge of the module	Dr. Triyono, S.P., M.P
Language	Indonesia
Lecturer	1. Dr. Triyono, S.P., M.P 2. Francy Risvansuna Fivintari, S.P., M.P.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 point credit

Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO 1 Able to show religious attitude, love the homeland and uphold human values. 2. PLO 4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7 (KU) Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO 8 (KK) Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to show religious attitudes and human values. 2. CLO2 Mastering the concepts and theories of Islamic economics and business in agriculture based on sharia business. 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in sharia business. 4. CLO4 Able to plan, manage, and develop agricultural business units based on sharia principles. **The final ability of each learning stage (LLO)** 1. LLO 1 Have a positive perception of Islamic teachings and be able to explain the theological basis for sharia business development. Able to analyze the value of Islamic economics in community economic activities and able to design economic activities to meet the financial needs of the community. (CLO1, CLO2, CLO4)

	2. LLO 2 Able to explain the concept of usury in community economic activities and have a prudence attitude towards usury in community economic activities. (CLO1, CLO2) 3. LLO 3 Able to explain the basic principles of sharia business finance schemes and be able to choose a scheme that suits the needs and be able to solve sharia financial/financing problems correctly. (CLO2, CLO3, CLO4) 4. LLO 4 Able to explain the concept, function and purpose of business feasibility with sharia principles and be able to analyze the feasibility of sharia business. Have an interest in implementing sharia business. (CLO1, CLO2) 5. LLO 5 Able to explain history, basic principles and choose Islamic financial institution service products and have an interest in Islamic financial institution services. (CLO1, CLO2) 6. LLO 6 Able to explain the basic principles of BMT development and able to prepare BMT planning and management. (CLO2, CLO3) 7. LLO 7 Able to correctly identify differences between sharia and conventional insurance/pawnshops. (CLO2, CLO3)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	L
PLO 1	**CLO 1**	√	√		√	√		
PLO 4	**CLO 2**	√	√	√	√	√	√	√
PLO 7	CLO 3			√			√	√
PLO 8	**CLO 4**	√		√				

Content	1. Islamic Economics 2. Management Business 3. Islamic Financial Management 4. Islamic Financial Institutions
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)

Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Antonio, S, dkk. 2019. Bank Syari'ah: dari teori ke praktek cetakan ketiga puluh. Gema Insani Press, Jakarta 2. Al-Qardhawi, Y. 2022. Norma dan Etika Ekonomi Islam. Gema Insani, Depok 3. Kurniawan, Muhammad. 2021. Bank dan Lembaga Keuangan Syariah. CV. Adanu Abimata. Indramayu 4. Ryandono, H, dkk. 2021. Manajemen Bank Islam: Pendekatan Syariah dan Praktek . UAD Press. Yogyakarta

MODULE HANDBOOK
(AGRICULTURAL ECONOMY)

Module designation	This course equips students with the principles of microeconomics and macroeconomics in order to understand and explore the problems that arise in the agricultural sector, as well as the application of these principles in the real economy, both in Indonesia and other countries. The material taught includes the scope of agricultural economics, resources in agriculture, farmers and farming, economic principles in farming, demand and supply of agricultural products, marketing of agricultural products, agricultural companies and corporations, agricultural institutions, agricultural development and policy, food security, and welfare. farmer household.
Module level	Undergraduate
Code	22 213
Courses	Agricultural Economy
Semester	Third Semester
Person in charge of the module	Dr. Susanawati, S.P., M.P.
Language	Indonesia
Lecturer	Dr. Susanawati, S.P., M.P. Dr. Triyono, S.P., M.P.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	**4,53 ECTS** 1 SCU = 170 minutes x 16 meetings = 2.720 minutes = **45,33 hours** 3 SCU = 2 x 45,33 hours

	= **135,99 hours** Worrkload = 135,99 hours / 30 hours = **4,53 ECTS**
Credit points	*1/1poin kredit*
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO 2 Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO8 Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. Have a broad outlook, open, and think positive **Course Learning Outcomes (CLO)** 1. CLO1 Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. CLO2 Able to master the theory of micro and macro economics in the field of socio-economic agriculture 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in the socio-economic field of agriculture 4. CLO4 Able to plan, manage, and develop agriculture based on local resources **The final ability of each learning stage (LLO)**

	1. LLO1 Able to explain agricultural resources related to their type, availability and management (CLO 2) 2. LLO2 Able to understand farming concepts and economic principles in farming (CLO 3) 3. LLO3 Able to explain the global market situation, especially in the agricultural economic sector based on demand and supply (CLO 1) (CLO 3)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8
PLO 2	**CLO 1**	√							
PLO 4	**CLO 2**	√	√	√	√	√			√
PLO 7	CLO 3		√						√
PLO 8	CLO 4			√	√	√			

Content	1. Scope of Agricultural Economics 2. Resources in agriculture 3. Farmers and farming 4. Economic principles in farming 5. Demand, supply and marketing 6. Agricultural company 7. Agricultural corporation 8. Institutional system in agriculture 9. Agricultural development 10. Agricultural policy 11. Household food security 12. Welfare of the household
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard

References	1. Yogi, Ratnaningtyas, Sudrajati. 2020. Pengantar Ekonomi Pertanian. Yogi & Sudrajati Ratnaningtyas. Jakarta 2. Asir, Muhammad, dkk. 2022. Ekonomi Pertanian. Widina Bhakti Persada Bandung 3. Supardi, S. 2016. Ekonomi Pertanian. Absolute Media. Yogyakarta. 4. Arifin, B. 2015. Ekonomi Permbangunan Pertanian. IPB Press. Bogor 5. Lestari, Putu Fajar Kartika, dkk. 2022. Manajemen Agribisnis.Universitas Mahasaraswati Press. Denpasar 6. Kurniawan, Budi. 2021. Ekonomika Politik Pembangunan. Pestuka Media. Bandarlampung. 7. Khusaini, Muhammad. 2013. Mikro Ekonomi. UB Press. Malang

MODULE HANDBOOK
(ACCOUNTANCY)

Module designation	This course studies the theory and basic principles of accounting and their application to Agribusiness companies in the service and trade sector. In the basic accounting course, the emphasis is on understanding financial accounting. This course material starts from the basic concepts and accounting cycles to make financial statements and then describes each element of the income statement and balance sheet including current assets, fixed assets, debt and capital.
Module level	Undergraduate
Code	22U 283
Courses	Accountancy
Semester	Third Semester
Person in charge of the module	Ir. Lestari Rahayu, M.P.
Language	Indonesia
Lecturer	Ir. Lestari Rahayu, M.P. Dr. Ir. Nur Rahmawati, M.P.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	**4,53 ECTS** 1 SCU = 170 minutes x 16 meetings = 2.720 minutes = **45,33 hours** 3 SCU = 2 x 45,33 hours = **135,99 hours** Worrkload = 135,99 hours / 30 hours = **4,53 ECTS**
Credit points	2/1 poin kredit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.

Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO 3 (S3) Able to work in a team in synergy according to their field of expertise. 2. PLO 4 (P1) Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia prinsiples. 3. PLO7 (KU1) Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO8 (KK1) Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to work in a team in synergy according to their area of expertise. 2. CLO2 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. CLO4 Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **The final ability of each learning stage (LLO)** 1. LLO1 Able to explain the meaning of accounting and accounting users. [C2, A2] (CLO2) 2. LLO2 Able to explain business units and financial reports. [C2,A3] (CLO2) 3. LLO3 Able to explain the basic principles of the accounting cycle and the accounting equation. [C3, A3] (CLO2] 4. LLO4 Able to perform the accounting cycle of service companies from recording transactions, posting journals to the general ledger, compiling trial balances, adjusting journals and compiling financial reports for service companies. [C4, A4, P3] (CLO 1 CLO3)

	5. LLO5 Able to explain the characteristics of trading companies, trading company accounts and transactions. [C2, A2] (CLO2) 6. LLO6 Able to carry out the accounting cycle of trading companies from recording transactions to special journals, posting journals to the general ledger, compiling a trial balance and calculating HPP recorded in adjusting journals and Compiling financial reports for trading companies. [dan C4, A4, P3] (CLO1 CLO3) 7. LLO7 Able to prepare finansial reports for service companies and UMKM Agribusiness trading companies. [C6, A5, P5] (CLO1, CLO4)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7
PLO 3	**CLO 1**				√		√	√
PLO 4	**CLO 2**	√	√	√		√		
PLO 7	**CLO 3**				√		√	
PLO 8	**CLO 4**							√

Content	1. Understanding Accounting and Accounting Users. 2. Definition and Type of Company, Company Form, Financial Statements of Profit and Loss, Changes in Capital, Balance Sheet and Contents of Financial Statements. 3. Stages of the accounting process, Basic Equation and Accounting System, Debiting and Crediting Rules. 4. Service Company Accounting Cycle: Journal, Ledger and Trial Balance, Adjustment and Trial Balance after adjustment, Work Sheet, Financial Statements (profit and loss, changes in capital and balance sheet), Closing of Books. 5. The difference between a trading company and a service company, typical transactions of a trading company, recording the periodic method. 6. Recording Stage: Special Journal & Account Recapitulation, Summary Stage: General Ledger and Trial Balance, Adjustment Stage: General Adjustments and Adjustments to Trading Companies, Financial Statements of Trading Companies and Closing Journals. 7. Small Business Accounting in Agribusiness
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard

Reading list	1. Fakhrudin, A. dan Rahayu, L (2018). Basic Accounting Module. DEPARTMENT OF AGRIBUSINESS, University of Muhammadiyah Yogyakarta 2. J. Jerry. (2018). Pengantar Akuntansi 1 Berbasis IFRS Edisi ke-2. Salemba Empat. Jakarta

MODUL HANDBOOK
(MANAGERIAL ECONOMICS)

Module designation	Managerial Economics is a course that teaches students to review course material in courses related to decision making (Mathematics, PIE, Microeconomics, Production Economics, etc. Next you will be invited to apply the theory for management decision making, both in companies profit and non-profit. In this course, students are required to participate actively, both in class and actively working on assignments outside the classroom. Finally, students are required to apply the theory used in this Constitutional Court in their respective environments.
Module level	Undergraduate
Code	22P 565
Courses	Managerial Economics
Semester	Third Semester
Person in charge of the module	Dr. Ir. Widodo, MP
Language	Indonesia
Lecturer	Dr. Ir. Widodo, MP Dr. Susanawati, S.P., M.P Dr. Triyono, S.P., M.P
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	**3,02 ECTS** 1 SCU = 170 minutes x 16 meetings = 2.720 minutes = **45,33 hours** 2 SCU = 2 x 45,33 hours = **90,66 hours** Worrkload = 90,66 hours / 30 hours

	= **3,02 ECTS**
Credit points	*2/0 poin kredit*
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 1. PLO 3 Able to work in a team in synergy according to their area of expertise. 2. PLO 4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1 Able to work in a team synergistically. 2. CLO2 Mastering concepts, economic theory in making business decisions in agriculture. 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in making agricultural business decisions. **The final ability of each learning stage (LLO)** 1. LLO1 Able to know about the understandung of managerial economics and the scope of managerial economics (CLO1) 2. LLO2 Able to master the concept of economic optimazation (CLO1) 3. LLO3 Able to master the concept of supply, demand, and market balance and forecasting (CLO2) 4. LLO4 Able to master economic concepts in the level of production and elasticity in pricing (CLO2) 5. LLO5 Able to make decisions from the results of cost analysis (CLO3)

	6. LLO6 Able to make decisions in pricing (CLO3)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 3	**CLO 1**	√					
PLO 4	CLO 2		√	√	√		
PLO 7	CLO 3					√	√

Content	1. The scope of managerial economics 2. Economic optimization 3. Supply, demand and market equilibrium 4. Forecasting 5. The concept of the economy in the level of production 6. The concept of elasticity in pricing 7. Cost analysis 8. Mark-up pricing 9. Pricing discrimination 10. Multiple product pricing 11. Pricing of intermediate products
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Sudrajat, Usep dan Suwaji. 2018. Ekonomi Manajerial . Cv Budi Utama. 2. Aryaningsih, Ni Nyoman. 2021. Ekonomi Manajerial Kajian Teori dan Empiris Nilai Keputusan Investasi. Media Nusa Creative: Malang. 3. Agustini, Maria Y D Hayu. 2018. Ekonomi Manajerial Pembuatan Keputusan berdasarkan Ilmu Ekonomi.Universitas Katolik Soegijapranata . Semarang

MODULE HANDBOOK
(MANAGERIAL ECONOMICS)

Module designation	Managerial Economics is a course that teaches students to review course material in courses related to decision making (Mathematics, PIE, Microeconomics, Production Economics, etc. Next you will be invited to apply the theory for management decision making, both in companies profit and non-profit. In this course, students are required to participate actively, both in class and actively working on assignments outside the classroom. Finally, students are required to apply the theory used in this Constitutional Court in their respective environments.
Module level	Undergraduate
Code	22P 565
Courses	Managerial Economics
Semester	Third Semester
Person in charge of the module	Dr. Ir. Widodo, MP
Language	Indonesia
Lecturer	Dr. Ir. Widodo, MP Dr. Susanawati, S.P., M.P Dr. Triyono, S.P., M.P
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 3rd semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	**3,02 ECTS** 1 SCU = 170 minutes x 16 meetings = 2.720 minutes = **45,33 hours** 2 SCU = 2 x 45,33 hours = **90,66 hours** Worrkload = 90,66 hours / 30 hours

	= **3,02 ECTS**
Credit points	*2/0 poin kredit*
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Program Learning Outcomes (PLO)** 4. PLO 3 Able to work in a team in synergy according to their area of expertise. 5. PLO 4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 6. PLO 7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 4. CLO1 Able to work in a team synergistically. 5. CLO2 Mastering concepts, economic theory in making business decisions in agriculture. 6. CLO3 Able to apply logical, critical, systematic, and innovative thinking in making agricultural business decisions. **The final ability of each learning stage (LLO)** 7. LLO1 Able to know about the understandung of managerial economics and the scope of managerial economics (CLO1) 8. LLO2 Able to master the concept of economic optimazation (CLO1) 9. LLO3 Able to master the concept of supply, demand, and market balance and forecasting (CLO2) 10. LLO4 Able to master economic concepts in the level of production and elasticity in pricing (CLO2) 11. LLO5 Able to make decisions from the results of cost analysis (CLO3)

	12. LLO6 Able to make decisions in pricing (CLO3)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 3	**CLO 1**	√					
PLO 4	CLO 2		√	√	√		
PLO 7	CLO 3					√	√

Content	1. The scope of managerial economics 2. Economic optimization 3. Supply, demand and market equilibrium 4. Forecasting 5. The concept of the economy in the level of production 6. The concept of elasticity in pricing 7. Cost analysis 8. Mark-up pricing 9. Pricing discrimination 10. Multiple product pricing 11. Pricing of intermediate products
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
References	1. Sudrajat, Usep dan Suwaji. 2018. Ekonomi Manajerial . Cv Budi Utama . 2. Aryaningsih, Ni Nyoman. 2021. Ekonomi Manajerial Kajian Teori dan Empiris Nilai Keputusan Investasi. Media Nusa Creative: Malang. 3. Agustini, Maria Y D Hayu. 2018. Ekonomi Manajerial Pembuatan Keputusan berdasarkan Ilmu Ekonomi.Universitas Katolik Soegijapranata . Semarang

Compulsory Courses

(4 th Semester)

MODULE HANDBOOK
ENTREPRENEURSHIP

Module designation	Entrepreneurship is a compulsory subject that aims to equip students with theory and its application in entrepreneurial activities in the agribusiness scope, such as activities to find business opportunities, business planning, production, marketing, etc. The essence of entrepreneurship is to create added value in new and different ways in order to compete. This course is given in semesters.
Module level	Undergraduate
Code	22U-212
Courses	Entrepreneurship
Semester	Fourth Semester
Person in charge of the module	Dr. Ir. Triwara Buddhi S, M.P.
Language	Indonesia
Lecturer	1. Dr. Ir. Triwara Buddhi S, M.P. 2. Ir. Pujastuti S. Dyah, M.M. 3. Dr. Ir. Nur Rahmawati, M.P.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 4th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4.533 ECTS
Credit points	1/2 point credit OR 3 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO 2 (S2)

	Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. 2. PLO 4 (P1) Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. Able to demonstrate independent, quality, and measurable performance. 3. PLO 7 (KU1) Able to apply logical, critical, systematic, and innovative thinking in the context of the development or implementation of science and technology in accordance with their field of expertise. 4. PLO 9 (KK2) Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to show creative, innovative, fighting spirit and responsibility in entrepreneurship. 2. CLO2 Mastering the concepts and theories of economics, business and technology and able to demonstrate independent performance. 3. CLO3 Able to apply innovative thinking in entrepreneurship development.. 4. CLO 4 Able to plan, manage, and develop agricultural business units by utilizing science and technology. **The final ability of each learning stage (LLO)** 1. LLO 1 Able to explain the understanding and concepts of entrepreneurship in Islam (CLO2). 2. LLO 2 Able to explain one's own interests and attitudes for entrepreneurship (CLO3) 3. LLO 3 Able to explain entrepreneurial character (CLO2).

	4. LLO 4 Able to explain self-motivation for entrepreneurship (CLO3) 5. LLO 5 Able to apply supporting theory to develop business proposals (CLO1) (CLO2) (CLO3). 6. LLO 6 Able to apply the practice of a product according to the concept of entrepreneurship (CLO1) (CL04).

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 2	**CLO 1**					√	√
PLO 4	**CLO 2**	√		√		√	
PLO 7	**CLO 3**		√		√	√	
PLO 9	**CLO 4**						√

Content	1. Entrepreneurship Concept 2. Interests and Entrepreneurial Attitude 3. Entrepreneurial Motivation 4. Entrepreneurial character 5. Make a business proposal 6. Entrepreneurial Practice
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
References	**1.** Siagian, V., Yuniwati, I., Rahman, A., Lifchatullaillah, E., Inayah, A. N., Nurbayani, N., ... & Simarmata, J. (2020). *Pengantar Kewirausahaan*. Yayasan Kita Menulis. **2.** HS, Sufyati. dkk (2021). Teori dan Konsep Kewirausahaan. Cirebon: Penerbit Insania **3.** Jalil, A., & EI, M. (2013). *Spiritual enterpreneurship: Transformasi spiritualitas kewirausahaan*. LKIS PELANGI AKSARA **4.** Sari, A. P., Anggraini, D. D., Sari, M. H. N., Gandasari, D., Siagian, V., Septarini, R. S., ... & Simarmata, J. (2020). *Kewirausahaan dan Bisnis Online*. Yayasan Kita Menulis. **5.** Fajrillah, F., Purba, S., Sirait, S., Sudarso, A., Sugianto, S., Sudirman, A., ... & Simarmata, J. (2020). *SMART ENTREPRENEURSHIP: Peluang Bisnis Kreatif & Inovatif di Era Digital*. Yayasan Kita Menulis. **6.** Hoetoro, A., & Satria, D. (2020). *Smart Economy: Kewirausahaan UMKM 4.0*. Universitas Brawijaya Press

MODULE HANDBOOK
BUSINESS PLAN

Module designation	Business Plan is a course that studies and understands the method or technique of preparing a business proposal that is feasible to fund, which begins with determining a business idea, market analysis, marketing planning, production planning, human resource planning, and financial planning.
Module level	Undergraduate
Code	22U-746
Courses	Business Plan
Semester	Fourth Semester
Person in charge of the module	Aris Slamet Widodo, Dr., S.P., M.Sc.
Language	Indonesia
Lecturer	1. Aris Slamet Widodo, Dr., S.P., M.Sc. 2. Dr. Susanawati, S.P., M.P. 3. Oki Wijaya, S.P., M.P. 4. Pujastuti Sulistyaning Dyah, Ir., M.M.
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 4th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4.533 ECTS
Credit points	1/2 point credit OR 3 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Expected Leaning Outcomes charged to courses (ELO)** 1. ELO1 (S16) Ability to develop creativity, innovation, in developing agribusiness.

	2. ELO2 (PP9) Mastering the theory of business management and entrepreneurship based on Sharia principles. 3. ELO3 (KU2) Able to demonstrate independent, quality, and measurable performance. 4. ELO4 (KK2) Able to develop business units professionally by increasing added value and building agribusiness business networks. **Course Learning Outcomes (CLO)** 1. CLO1 Internalizing academic values, norms, and ethics. 2. CLO2 Mastering the theory of business management and entrepreneurship based on Sharia principles. 3. CLO3 Able to demonstrate independent, quality, and measurable performance. 4. CLO 4 Able to develop creativity, innovation, in developing agribusiness. **The final ability of each learning stage (LLO)** 1. LLO1 Able to understand the meaning of business management and the concept of entrepreneurship in Islam (CLO2). 2. LLO2 Able to cultivate an independent attitude (CLO3) 3. LLO3 Able to grow motivation to do business and entrepreneurship (CLO3). 4. LLO4 Able to understand business character (CLO2) 5. LLO5 Have the skills and courage to do business (CLO1) 6. LLO6 Have the spirit to apply a product according to the business concept (CLO2) (CLO4)
Content	1. The concept of doing business and entrepreneurship

	2. Interest and Business Attitude 3. Business Motivation 4. Business Character 5. Business Plan
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
References	**1.** Jalil, A., & EI, M. (2013). *Spiritual enterpreneurship: Transformasi spiritualitas kewirausahaan*. LKIS PELANGI AKSARA **2.** Sari, A. P., Anggraini, D. D., Sari, M. H. N., Gandasari, D., Siagian, V., Septarini, R. S., ... & Simarmata, J. (2020). *Kewirausahaan dan Bisnis Online*. Yayasan Kita Menulis.

MODULE HANDBOOK

PROCESSING AND PRODUCT INNOVATION TECHNIQUE

Module designation	Processing and Product Innovation Technique Course is a course that studies the role of agricultural product handling techniques in agribusiness, characteristics of agricultural products, basics of preservation, quality standards, packaging, economic evaluation and processing of agricultural products.
Module level	Undergraduate
Code	22P-222
Courses	Processing and Product Innovation Technique
Semester	Fourth Semester
Person in charge of the module	Dr. Ir. Triwara Buddhi Satyarini, M.P.
Language	Indonesia
Lecturer	Dr. Ir. Triwara Buddhi Satyarini, M.P. Dr.Retno Wulandari, S.P., M.P. Ir. Pujastuti SD., MM
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 4th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 point credit or 3 credit point
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO 2 (S2) Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO 4 (P1)

	Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7 (KU1) Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO 8 (KK1) Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to show a creative, innovative attitude in the development of processed agricultural products. 2. CLO2 Mastering concepts, business theory and technology in agriculture. 3. CLO3 Able to apply logical and innovative thinking in the field of agricultural product management. 4. CLO 4 Able to plan, manage, and develop agricultural business units. **The final ability of each learning stage (LLO)** 1. LLO 1 Able to know and mention agricultural products and the time of their damage. 2. LLO 2 Able to understand the basics of preserving agricultural products. 3. LLO 3 Able to understand frozen food technology. 4. LLO 4 Able to know the principle of dehydration and drying in the sun. 5. LLO 5 Able to preserve food with salt, acid, sugar, and chemical preservatives. 6. LLO 6

	Able to understand the factors that affect quality, quality standards, quality control, and packaging.

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 2	**CLO 1**	√					
PLO 4	**CLO 2**		√		√		
PLO 7	**CLO 3**					√	√
PLO 8	**CLO 4**			√			

Content	1. Introduction 2. Agricultural products 3. Damage to agricultural products 4. The basis for preserving agricultural products 5. Frozen food technology 6. The principle of dehydration and sun drying 7. Preservation of food with salt, acid, sugar, and chemical preservatives 8. Factors affecting quality 9. Control and some quality standards 10. Packaging
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
References	1. Pan, Zhongli. 2019. Integrated Processing Technologies for Food and Agricultural By-Products. Penerbit Academic Press. Bandung. 2. Bala, B K. 2020. Agro-Product Processing Technology: Principles and Practice. Penerbit CRC Press. Florida. 3. Yuniarto, Kurniawan. 2019. Teknik Pengolahan Hasil Pertanian. Penerbit Plantaxia. Yogyakarta. 4. Dabhi, Mukesh N. 2017. Agricultural Processing and Food Enginering (A Basic Approach). Penerbit Kalyani Publisher. Ludhiana. 5. Chanes, Jorge W. 2020. Science and Technology of Fibers in Food Systems. Springer International Publishing 6. Kumariya, R., Garsa, A. K., Rajput, Y. S., Sood, S. K., Akhtar, N., & Patel, S. (2019). Bacteriocins: Classification, synthesis, mechanism of action and resistance development in food spoilage causing bacteria. *Microbial Pathogenesis*, *128*(October 2018), 171–177. https://doi.org/10.1016/j.micpath.2019.01.002 7. Rawat, S. (2015). Food Spoilage: Microorganisms and their prevention. *Pelagia Research Library Asian Journal of Plant*

	Science and Research, *5*(4), 47–56. www.pelagiaresearchlibrary.com

MODULE HANDBOOK
MARKETING MANAGEMENT

Module designation	Marketing management is an overall system of various business activities aimed at planning, pricing, promoting, and distributing goods/services that can satisfy the needs of both existing and potential buyers. Short-term and long-term planning is prepared by considering the resources owned by the company and the company's external environment (consumers, competitors, suppliers, government regulations, supporting institutions, etc.) to determine the S-T-P (Segmentation, Targeting, Positioning) supported by the appropriate organizational structure, and determining the marketing mix, known as the 4 Ps, 7 Ps, and 8 Ps. The planning, implementation, and development of marketing management carried out is of course based on the stages of the product life (Product Life Cycle). Marketing is a dynamic and productive activity following market developments and information systems so that products can be well received by consumers so that consumers will be satisfied and loyal to products marketed by producers..
Module level	Undergraduate
Code	22U-263
Courses	Marketing Management
Semester	Fourth Semester
Person in charge of the module	Ir. Diah Rina Kamardiani., M.P
Language	Indonesia
Lecturer	1. Ir. Diah Rina Kamardiani., M.P (Coordinator) 2. Dr. Sriyadi, MP
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 4th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours

	= 4.533 ECTS
Credit points	2/1 point credit OR 3 credit point
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO 3 Able to work in a team in synergy according to their area of expertise. 2. PLO 4 Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. 3. PLO 7 Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO 8 Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. **Course Learning Outcomes (CLO)** 1. CLO1 Able to work in a team synergistically. 2. CLO2 Mastering the concepts and theories of management and business in agriculture. 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in agricultural marketing. 4. CLO 4 Able to plan, manage, and develop agricultural business units. **The final ability of each learning stage (LLO)** 1. LLO 1

	Able to explain the concept of marketing environment and group observation by working together in a synergy team (CLO2) (CLO1). 2. LLO 2 Able to analyze market environment, segment, target and market position logically and systematically (CLO2) (CLO3). 3. LLO 3 Able to analyze consumer behavior, marketing organization and marketing mix based on information technology (CLO2) (CLO4). 4. LLO 4 Able to analyze marketing strategy, product mix, product life cycle, price mix, place mix and information technology-based promotion mix (CLO2) (CLO4). 5. LLO 5 Able to analyze integrated marketing communication strategy based on information technology (CLO4).

Correlation PLO, CLO, and LLO

		LLO1	LLO 2	LLO 3	LLO 4	LLO 5
PLO 3	**CLO 1**	√				
PLO 4	**CLO 2**	√	√		√	
PLO 7	**CLO 3**		√	√		
PLO 8	**CLO 4**			√	√	√

Content	1. Understanding Marketing 2. Marketing philosophy 3. Marketing plan 4. Marketing Environment 5. Analysis of Issues and Opportunities 6. Market Analysis 7. S-T-P 8. Functional 9. Geographic 10. Product Management 11. Market Management 12. Marketing Mix Concept 13. Product Classification 14. Product Life Cycle (PLC) 15. Skimming Pricing 16. Prestige Pricing, Price Lining Pricing

	17. Odd Even Pricing 18. Distribution Channel Structure 19. Distribution Coverage 20. Multiple Distribution Channels 21. Advertising 22. Sales Promotion 23. Personal Selling 24. Publication 25. Direct Marketing
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
References	1. Dedy Wahyudin Purba, dkk. 2020. Pengantar Ilmu Pertanian. Yayasan Kita Menulis. Medan 2. Tengku Firli Musfar, S.E., M.M. 2020. Bauran Pemasaran sebagai Materi Pokok dalam Manajemen Pemasaran. Media Sains Indonesia. Bandung. 3. Kotler, Philip and Keller, Kevin Lane 2016. Marketing Marketing. London: Pearson Education. 4. Kotler, Philip and Kevin Lane Keller, 2014. Marketing Management Horizon 14e: Pearson Education Asia. 5. Kotler, Philip and Kevin Lane Keller, 2016. Marketing Managemen, 15th Edition, Pearson Education,Inc. Kotler, Philip dan Gary Armstrong, 2012. Principles Of Marketing, Edisi 14, New Jersey: Prentice-Hall Published. 6. Kirgiz, Ayca. (2016) Green marketing: a case study of the sub-industry in Turkey. Springer. 7. Kotler, Philip dan Keller, (2016), Marketing Manajement, 15th Edition, Prentice Hall: Pearson Education International 8. Kotler, Philip, Hermawan Kartajaya, and Iwan Setiawan. (2016) Marketing 4.0: Moving from traditional to digital. John Wiley & Sons. 9. Kotler, Philip., Keller, Kevin L. (2013). Manajemen Pemasaran, Jilid Kedua, Jakarta: Erlangga

MODULE HANDBOOK
SOCIAL AGRICULTURE

Module designation	Social Agriculture course prepares students to understand agriculture from the context of agricultural social research. This is supported by the ability to understand farmer responses, farmer perceptions, farmer attitudes, farmer motivation, farmer participation, farmer behavior and interests, roles, and farmer institutions.
Module level	Undergraduate
Code	22U-541
Courses	Social Agriculture
Semester	Fourth Semester
Person in charge of the module	Zuhud Rozaki, PhD.
Language	Indonesia
Lecturer	1. Zuhud Rozaki, PhD. 2. Retno Wulandari, SP., M.Sc
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 4th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structured activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via MyKlass
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3.02 ECTS
Credit points	2 point credit
Requirements according to the examination regulations	To be able to take the final exams, the minimum of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam.
Module objectives/intended learning outcomes	**Expected Leaning Outcomes charged to courses (PLO)** 1. PLO 2 (S2) Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO 5 (P2)

	Mastering the principles and methods of quantitative and qualitative analysis in problem solving and scientific strategic decision making based on database management. 3. PLO 7 (KU1) Able to apply logistical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1 Able to demonstrate responsibility for the rule of law, norms and ethics. 2. CLO2 Mastering the basic principles of social humanities research in agriculture. 3. CLO3 Able to apply logical, critical, systematic, and innovative thinking in the social humanities field. **The final ability of each learning stage (LLO)** 1. LLO 1 Able to understand the concept of response in agriculture (CLO1). 2. LLO 2 Able to understand the concept of perception in agriculture (CLO1). 3. LLO 3 Able to understand attitudes in agriculture (CLO3). 4. LLO 4 Able to understand the concept of behavior in agriculture (CLO1). 5. LLO 5 Able to understand interest in agriculture (CLO1). 6. LLO 6 Able to understand motivation in agriculture (CLO1 and CLO2). 7. LLO 7 Able to understand participation in agriculture (CLO1). 8. LLO 8 Able to understand the role of institutions or programs in agriculture (CLO3). 9. LLO 9

	Able to understand existing institutions in agriculture (CLO1).

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8	LLO 9
PLO 2	**CLO 1**	√		√	√	√		√		√
PLO 5	**CLO 2**						√			
PLO 7	**CLO 3**			√					√	

Content	1. Farmer Response 2. Farmers Perception 3. Farmer's Attitude 4. Farmer Motivation 5. Farmer Participation 6. Farmer Behavior 7. Farmers Interest 8. The Role of Institutions or Programs in Agriculture 9. Farmer Institutions
Study and examination requirements and forms of examination	Lecture, project, self-study, assignments, quizzes Midterm exam: Take Home Assignment Final exam: Project (peer assessment)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
References	1. David O. Sears, Jonathan L. Freedman Dan L Anne Peplau (1999), Psikologi Sosial Jilid I; Alih Bahasa Michael Adrianto. Jakarta: Erlangga. 2. Understanding Organizational Behavior (),Umstot,DenisD. 3. Saifudin Azwar (1998) Sikap Manusia, Teori dan Pengukuranya, Yokyakarta: Pustaka Pelajar. 4. Stephen P. Rabbins (1999) Perilaku Organisasi, Alih Bahasa Hidyana Pujaatmaka. Jakarta: Prenhallindo. 5. KUMAR, S. (2002). Methods for community participation. A complete guide for practitioners. London: ITDG Publishers. 6. Robbins, Stephen P. (2002). Prinsip-prinsip Perilaku Organisasi Edisi Kelima. (alih bahasa: Halida, Dewi Sartika; editor, Nurcahyo Mahanani). Jakarta: Erlangga 7. Abu Ahmadi (2009) Psikologi Sosial. Rineka Cipta, Jakarta, h-152 8. Mar'at (1982) Sikap Manusia, Perubahan dan Pengukurannya, Jakarta: Ghalia.

MODULE HANDBOOK
DESIGN AND TECHNIQUE OF COMMUNITY EMPOWERMENT

Modul designation	Design and Technique of Community Empowerment is a course that studies about how the process of community empowerment is ideal and in accordance with the concept of development in the community. Community empowerment is the process of Human Resource Development/Community itself in the form of extracting personal ability, creativity, competence and power of thought and action better than the previous time. Community empowerment is often mentioned as the goal of community development or as part of Community Development. The roles that move the community require knowledge and skills about community empowerment techniques. Mastery of the design of empowerment techniques will help in the empowerment process so that the interventions carried out can be effective and on target. The knowledge is delivered in the Community Empowerment Engineering Design course and equipped with practicums so that students are not only equipped with the basics of Community Empowerment science but also supporting practical experience.
Modul level, if applicable	Undergraduate
Code, if applicable	22U - 516
Courses, if applicable	Design and Technique of Community Empowerment
Semester (s) in which the module is taught	4th (Fourth) Semester
Person responsible for the module	Ir. Aris Slamet Widodo, S.P., M.Sc. Sutrisno, S.P.,M.P. Dr. Ir. Indardi, MS.
Lecturer	Ir. Aris Slamet Widodo, S.P., M.Sc. Sutrisno, S.P.,M.P. Dr. Ir. Indardi, MS.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 4th semester
Type of teaching, contact	Activities: 1. Lecture in class (lecture, assignment, and discussion) 2. Examinations 3. Structures activities (take home assignments: project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via My Klass
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes

	= 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 credit points
Requirements according to the examination regulations	- To be able to take final exams, the minimun of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam. - To be able to take the practical exam, the number of student attendance must be 100% of the six effective meetings.
Module Objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** ● PLO 1 (S6): Work together and have social sensitivity and concern for the community and the environment ● PLO 2 (PP5): Mastering the principles and concepts of communication and agricultural science and technology to provide alternative solutions to agribusiness problems ● PLO 3 (KU8): Responsible for the achievement of the group's work and supervise and evaluate the completion of the work assigned to the workers under his responsibility ● PLO 4 (KK7): Able to identify problems and provide alternative solutions in the field of agribusiness comprehensively **Course Learning Outcome (CLO)** ● CLO 1: Work together and have social sensitivity and concern for the community and the environment ● CLO 2: Mastering the principles and concepts of communication and agricultural science and technology to provide alternative solutions to agribusiness problems ● CLO 3: Responsible for the achievement of the group's work and supervise and evaluate the completion of the work assigned to the workers under his responsibility ● CLO 4: Able to identify problems and provide alternative solutions in the field of agribusiness comprehensively **The Final Ability of Each Learning Stage (LLO)** ● LLO 1: Be able to understand the concept of community empowerment and social analysis (CLO2)

	● LLO 2: Be able to understand the approach in Community Empowerment (CLO1, CLO2) ● LLO 3: Be able to explain the role of facilitators in Community Empowerment (CLO1, CLO2) ● LLO 4: Be able to analyze facilitation methods in Community Empowerment (CLO3) ● LLO 5: Be able to analyze the need for assessment in Community Empowerment (CLO1, CLO4) ● LLO 6: Be able to analyze and make program Planning (CLO4)

Correlation PLO, CLO, and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 1	**CLO 1**		√	√		√	
PLO 2	**CLO 2**	√	√	√			
PLO 3	**CLO 3**				√		
PLO 4	**CLO 4**					√	√

Content	1. The Concept Of Community Empowerment 2. Social analytics 3. Approaches in Community Empowerment 4. Facilitator 5. Facilitation Methods. 6. Need assessment and Program Planning
Studi and examination requirements and forms of examination	● Lecture (including small group discussion and quiz) ● Self-study ● Practice (Laboratory) ● Assignment ● Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
References	1. Riyanto, D. (2020). Teknik Pemberdayaan Masyarakat "Pemberdayaan Masyarakat Desa Prayungan Tahun 2019". Universitas Muhammadiyah Ponorogo Press. 2. Maryani, D., & Nainggolan, R. R. E. (2019). Pemberdayaan masyarakat. Deepublish 3. Handono, Setiyo Yuli. dkk. (2020). Pemberdayaan Masyarakat Pertanian. Malang : UB Pres 4. Sukino. (2018). Membangun pertanian dengan pemberdayaan masyarakat tani. Yogyakarta: Pustaka Baru Press 5. Anhar, A., Abubakar, Y., Widayat, H. P., Rachmadi, D., Herawati, R., & Umam, A. H. (2018). Pemberdayaan Masyarakat Sekitar Hutan Berbasis Konservasi dan Budidaya

	Kopi Ramah Lingkungan: Buku untuk mahasiswa. Syiah Kuala University Press.

MODULE HANDBOOK
INTERNATIONAL TRADE

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Modul designation	The International Trade course is a course that studies the background, processes, and things related to the buying and selling of products/ services between countries. Trade-trade carried out by a resident of one state with a resident of another state on the basis of a collective agreement. The intended population can be between individuals (individuals with individuals), between individuals with the government of a country or the government of a country with the government of another country. In many countries, international trade is one of the main factors for increasing GDP. Although international trade has existed for thousands of years (see Silk Road, Amber Road), its impact on economic, social, and political interests has only been felt in recent centuries. International trade also encourages industrialization, advances in transportation, globalization, and the presence of multinational companies.
Modul level, if applicable	Undergraduate
Code, if applicable	22U - 335
Courses, if applicable	International Trade
Semester (s) in which the module is taught	4th Semester
Person responsible for the module	Dr. Aris Slamet Widodo, SP., MSc. Dr. Sriyadi, SP., MP
Lecturer	Dr. Aris Slamet Widodo, SP., MSc. Dr. Sriyadi, SP., MP
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 4th semester
Type of teaching, contact	Activities: 1. Lecture in class (lecture, assignment, and discussion) 2. Examinations 3. Structures activities (take home assignments: project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via My Klass
Workload	4,533 ECTS 1 SCU = 170 minutes x 16 meetings = 2.720 minutes = 45,33 hours 3 SCU = 3 x 45,33 hours = 135,99 hours

	Workload = 135,99 hours / 30 hours = 4,533 ECTS
Credit points	2/1 credit points OR 3 credit point
Requirements according to the examination regulations	- To be able to take final exams, the minimun of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam. - To be able to take the practical exam, the number of student attendance must be 100% of the six effective meetings.
Module Objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** ● PLO 1 (S13): Have a broad outlook, open, and positive thinking ● PLO 2 (PP1): Mastering special knowledge covering Management, Economics, agribusiness communication, and technical aspects of Agriculture from upstream to downstream so as to master the concepts of agricultural business professionally. ● PLO 3 (KU7): Be able to maintain and develop working networks with mentors, colleagues, colleagues both inside and outside the institution ● PLO 4 (KK2): Be able to conduct agricultural business professionally by using the concept of sustainable agriculture by conducting quantitative and qualitative analysis **Course Learning Outcome (CLO)** ● CLO 1: Have a broad outlook, open, and positive thinking ● CLO 2: Mastering special knowledge covering Management, Economics, agribusiness communication, and technical aspects of Agriculture from upstream to downstream so as to master the concepts of agricultural business professionally. ● CLO 3: Be able to maintain and develop working networks with mentors, colleagues, colleagues both inside and outside the institution ● CLO 4: Be able to conduct agricultural business professionally by using the concept of sustainable agriculture by conducting quantitative and qualitative analysis **The Final Ability of Each Learning Stage (LLO)** ● LLO 1: Be able to understand the concept of International Trade (CLO1, CLO2, CLO4)

	• LLO 2: Be able to sell and sell Indonesian products (CLO1, CLO2) • LLO 3: Be able to run the process of export and import activities (CLO1, CLO2) • LLO 4: Be able to analyze the export-import process of Agricultural Products Best payment method (CLO2, CLO4) • LLO 5: Be able to execute import-export L / C payment methods (CLO3, CLO4) • LLO 6: Be able to operate computer (CLO3, CLO4)

Correlation PLO, CLO, and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 1	**CLO 1**	√	√	√			
PLO 2	**CLO 2**	√	√	√	√		
PLO 3	**CLO 3**					√	√
PLO 4	**CLO 4**	√			√	√	√

Content	1. Introduction to export and import 2. Importance of export and import of Indonesian products 3. The process of Starting Export and import 4. Export-import process of agricultural products and payment methods 5. Parties involved in the export-import process with L/C payment methods, the role of agencies, and the process of handling files/documents
Studi and examination requirements and forms of examination	• Lecture (including small group discussion and quiz) • Self-study • Practice (Laboratory) • Assignment • Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
References	1. Zaki, S. (2021). Hukum Perdagangan Internasional. Jakarta: Kencana. 2. Muis, A. R. C. (2019). Sustainable Competitive Advantage Ekonomi Kreatif Indonesia dalam Dinamika Perdagangan Internasional. Deepublish. 3. Tampubolon, J. (2020). Perdagangan Dan Bisnis Internasional: Teori Dan Analisis Empiris. Deepublish. 4. Zulham. (2017). Hukum Perlindungan Konsumen. Jakarta: Kencana

	5. Diphayana, Wahono. (2018). Perdagangan Internasional. Yogyakarta: Deepublish

MODULE HANDBOOK
BUSINESS FEASIBILITY STUDY

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Modul designation	The agribusiness feasibility course presents the basic concepts of feasibility from market and marketing, technical, financial, management, legal and environmental aspects, business feasibility analysis of annual commodity crops and medium-large scale agricultural industries (NPV, B/C, IRR analysis), feasibility analysis of seasonal crop farming and small-scale agricultural industries and households (profit, R/C, BEP, productivity and added value), SWOT analysis and strategic planning of agribusiness.
Modul level, if applicable	Undergraduate
Code, if applicable	22U - 122
Courses, if applicable	Agribusiness Feasibility
Semester (s) in which the module is taught	4th Semester
Person responsible for the module	Ir. Eni Istiyanti, MP Francy Risvansuna F, S.P., M.P.
Lecturer	Ir. Eni Istiyanti, MP Francy Risvansuna F, S.P., M.P.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 4th semester
Type of teaching, contact	Activities: 1. Lecture in class (lecture, assignment, and discussion) 2. Examinations 3. Structures activities (take home assignments: project, review, summary) 4. Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning via My Klass
Workload	4,533 ECTS 1 SCU = 170 minutes x 16 meetings = 2.720 minutes = 45,33 hours 2 SCU = 2 x 45,33 = 90,66 3 SCU = 3 x 45,33 hours = 135,99 hours Workload = 135,99 hours / 30 hours = 4,533 ECTS
Credit points	2/1 credit points OR 3 point credits

Requirements according to the examination regulations	- To be able to take final exams, the minimun of student attendance is 75% out of effective meetings. From 16 meetings, students must take a minimum of 10 meetings to take the exam. - To be able to take the practical exam, the number of student attendance must be 100% of the six effective meetings.
Module Objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** ● PLO 2: Be able to demonstrate creative, innovative, fighting power and responsibility towards the rule of law, norms and ethics. ● PLO 5: Be able to demonstrate creative, innovative, fighting power and responsibility towards the rule of law, norms and ethics. ● PLO 7: Be able to apply logical, critical, systematic, and innovative thinking in the context of the development or implementation of Science and technology in accordance with their areas of expertise. ● PLO 9: Be able to review and resolve information technoPLOy-based problems. **Course Learning Outcome (CLO)** ● CLO 1: able to show creative attitude, innovative, fighting power and responsibility. ● CLO 2: master the concepts and theories of Economics and business in agriculture. ● CLO 3: able to apply logical, critical, systematic, and innovative thinking. ● CLO 4: able to review and solve information technology-based problems. **The Final Ability of Each Learning Stage (LLO)** ● LLO 1: Be able to explain the concept and scope of agribusiness feasibility ● LLO 2: Be able to analyze the feasibility of annual crop farming based on information technology ● LLO 3: Be able to analyze the feasibility of the agricultural industry logically, critically and systematically ● LLO 4: Be able to analyze the feasibility of annuals logically, critically and systematically ● LLO 5: Be able to analyze SWOT responsibly

	● LLO 6: Be able to do strategic planning in decision making ● LLO 7: Be able to apply the concept of feasibility to solve information technology-based problems

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7
PLO 2	**CLO 1**					√		
PLO 5	**CLO 2**	√	√	√	√	√	√	√
PLO 7	**CLO 3**			√	√			
PLO 9	**CLO 4**		√					√

Content	1. Feasibility of agribusiness 2. Feasibility of annual crop farming 3. Agricultural industry qualification 4. Feasibility of annual farming 5. SWOT analysis 6. Strategic planning 7. Feasibility of seasonal crop farming, fisheries, and agriculture industry
Studi and examination requirements and forms of examination	Lectures, projects, self-study, assignments Midterm: exam Final Exam: Takeaway Task
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
References	1. Suryana, Rita Nurmalina. 2014. Studi Kelayakan Agribisnis. Penerbit Universitas Terbuka 2. Kasmir. 2015. Studi Kelayakan Usaha. Jakarta: Kencana Prenada Media Group 3. Kusumawati Riana. 2023. Studi Kelayakan Bisnis. Jawa Barat : CV. Mega Press Nusantara 4. Darwis, Khaeriyah. Ruslin, A. 2017. Ilmu Usahatani: Teori dan Penerapan. Makassar : CV. Inti Mediatama

Compulsory Courses

(5 th Semester)

MODULE HANDBOOK
BUSINESS PARTNERSHIP

A. Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	This course provides students with an understanding of how to think critically, communicate effectively and develop the ability to communicate both in writing and verbally in a business context and can establish mutually beneficial business collaborations with coaching and development by entrepreneurs by considering the principle of mutual benefit. In this course students are expected to understand the Scope of Business Communication & Effective Communication, Communication Ethics & Listening Skills, Communication Skills, Scope & Forms of Business Partnerships Business Offers and Responses, Negotiations, Business Agreements & Anatomy of Business Contracts
Module level, if applicable	Undergraduate
Code, if applicable	22U-155
Courses, if applicable	Business Partnership
Semester(s) in which the module is taught	5th (Fifth) Semester
Person responsible for the module	Zuhud Rozaki, SP, M.App.Sc, Ph.D.
Lecturer	1. Sutrisno, SP, MP 2. Triyono, Dr. , SP, MP 3. Zuhud Rozaki, SP, M.App.Sc., Ph.D
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 5th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings, and independent study) New Method: blended learning
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 2 x 45,33 hours =135,99 hours

	Workload= 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 credit points or 3 credit points
Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO1: Able to show religious attitudes, love the homeland and uphold human values. 2. PLO6: Mastering the concepts and principles of information technology-based business communication. 3. PLO7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO9: Able to study and solve problems based on information technology. **Course Learning Outcomes (CLO)** 1. CLO1: Able to show empathy towards fellow human beings. 2. CLO2: Mastering the concepts and principles of business communication. 3. CLO3: Able to apply innovative thinking in business communication. 4. CLO4: Able to study and solve information technology-based business problems. **The final ability of each learning stage (LLO)** 1. LLO1: Able to explain the scope of business communication and effective communication (CLO2). 2. LLO2: Able to explain communication ethics and listening skills (CLO1, CLO2). 3. LLO3: Able to organize business messages (CLO2, CLO4). 4. LLO4: Able to make presentations and business meetings (CLO2, CLO4). 5. LLO5: Able to apply interviews (principles and technical business interviews) (CLO1, CLO3, CLO4). 6. LLO6: Able to explain the scope of forms and business partnerships (CLO2). 7. LLO7: Able to explain business offers and responses (CLO2, CLO3). 8. LLO8: Able to perform negotiation system (CLO3, CLO4).

	9. LLO9: Able to make offers, business anatomy and draft business contracts (CLO2, CLO3, CLO4).

Correlation ELO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8	LLO 9
PLO 1	**CLO 1**		√			√				
PLO 6	**CLO 2**	√	√	√	√		√	√		
PLO 7	**CLO 3**					√		√	√	√
PLO 9	**CLO 4**			√	√	√				√

Content	1. Scope of Business Communication & Effective Communication, 2. Communication Ethics & Listening Skills, 3. Communication Skills, 4. Scope & Form of Business Partnership, 5. Business Offers and Feedback, Negotiations, and 6. Business Agreements & Anatomy of Business Contracts s.
Studi and examination requirements and dorms of examination	- Lecture (including small group discussion and quiz) - Self-study - Practice (Laboratory) - Assignment - Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)

Reading list	Suherman, Ansar. (2020). Buku Ajar Teori-teori Komunikasi. Penerbit: DEEPUBLISH. Yogyakarta Yusuf, Muhammad., Ichsan, Reza Nurul., dan Karim, Ahmad. (2019). Komunikasi Bisnis. Penerbit: CV. Manhaji. Medan Abidin, Zainal. Syamsir. (2022). Koperasi dan Kemitraan Pertanian. PT. Nasya Expanding Management. Jawa Tengah Yuniastuti, Endang. (2020). Pola Kemitraan di Era Digital. Penerbit: PT. Elex Media Komputindo. Jakarta

MODULE HANDBOOK
BUSINESS PARTNERSHIP

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	This course provides students with an understanding of how to think critically, communicate effectively and develop the ability to communicate both in writing and verbally in a business context and can establish mutually beneficial business collaborations with coaching and development by entrepreneurs by considering the principle of mutual benefit. In this course students are expected to understand the Scope of Business Communication & Effective Communication, Communication Ethics & Listening Skills, Communication Skills, Scope & Forms of Business Partnerships Business Offers and Responses, Negotiations, Business Agreements & Anatomy of Business Contracts
Module level, if applicable	Undergraduate
Code, if applicable	22U-155
Courses, if applicable	Business Partnership
Semester(s) in which the module is taught	5th (Fifth) Semester
Person responsible for the module	Zuhud Rozaki, SP, M.App.Sc, Ph.D.
Lecturer	4. Sutrisno, SP, MP 5. Triyono, Dr. , SP, MP 6. Zuhud Rozaki, SP, M.App.Sc., Ph.D
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 5th semester
Type of teaching, contact hours	Activities: e) Lecture in class (lecture, assignment, and discussion) f) Examinations g) Structures activities (take home assignments: project, review, summary) h) Independent Studies (examination preparation, discussion, required readings, and independent study)

	New Method: blended learning
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 2 x 45,33 hours =135,99 hours Workload= 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 credit points or 3 credit points
Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 5. PLO1: Able to show religious attitudes, love the homeland and uphold human values. 6. PLO6: Mastering the concepts and principles of information technology-based business communication. 7. PLO7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 8. PLO9: Able to study and solve problems based on information technology. **Course Learning Outcomes (CLO)** 5. CLO1: Able to show empathy towards fellow human beings. 6. CLO2: Mastering the concepts and principles of business communication. 7. CLO3: Able to apply innovative thinking in business communication. 8. CLO4: Able to study and solve information technology-based business problems. **The final ability of each learning stage (LLO)** 10. LLO1: Able to explain the scope of business communication and effective communication (CLO2).

	11. LLO2: Able to explain communication ethics and listening skills (CLO1, CLO2). 12. LLO3: Able to organize business messages (CLO2, CLO4). 13. LLO4: Able to make presentations and business meetings (CLO2, CLO4). 14. LLO5: Able to apply interviews (principles and technical business interviews) (CLO1, CLO3, CLO4). 15. LLO6: Able to explain the scope of forms and business partnerships (CLO2). 16. LLO7: Able to explain business offers and responses (CLO2, CLO3). 17. LLO8: Able to perform negotiation system (CLO3, CLO4). 18. LLO9: Able to make offers, business anatomy and draft business contracts (CLO2, CLO3, CLO4).

Correlation ELO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8	LLO 9
PLO 1	**CLO 1**		√			√				
PLO 6	**CLO 2**	√	√	√	√		√	√		
PLO 7	**CLO 3**					√		√	√	√
PLO 9	**CLO 4**			√	√	√				√

Content	7. Scope of Business Communication & Effective Communication, 8. Communication Ethics & Listening Skills, 9. Communication Skills, 10. Scope & Form of Business Partnership, 11. Business Offers and Feedback, Negotiations, and 12. Business Agreements & Anatomy of Business Contracts s.
Studi and examination requirements and dorms of examination	- Lecture (including small group discussion and quiz) - Self-study - Practice (Laboratory) - Assignment - Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)

Reading list	Suherman, Ansar. (2020). Buku Ajar Teori-teori Komunikasi. Penerbit: DEEPUBLISH. Yogyakarta Yusuf, Muhammad., Ichsan, Reza Nurul., dan Karim, Ahmad. (2019). Komunikasi Bisnis. Penerbit: CV. Manhaji. Medan Abidin, Zainal. Syamsir. (2022). Koperasi dan Kemitraan Pertanian. PT. Nasya Expanding Management. Jawa Tengah Yuniastuti, Endang. (2020). Pola Kemitraan di Era Digital. Penerbit: PT. Elex Media Komputindo. Jakarta

MODULE HANDBOOK
ECONOMETRY

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Econometrics course discusses some basic statistical concepts including sigma notation, probability, probability function, expected value, variance and covariance, other topics are correlation analysis (simple correlation, ranking and partial) and regression analysis includes simple regression, multiple regression, dummy variable regression and time series data regression including problems in regression analysis.
Module level, if applicable	Undergraduate
Code, if applicable	22L- 616
Courses, if applicable	Econometry
Semester(s) in which the module is taught	5th (Fifth) Semester
Person responsible for the module	Ir. Eni Istiyanti, MP Dr. Susanawati, SP, MP
Lecturer	Ir. Eni Istiyanti, MP Dr. Susanawati, SP, MP
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 5th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 2 x 45,33 hours =135,99 hours

	Workload= 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 credit points OR 3 credit points
Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO2 (S2): Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms, and ethics. 2. PLO5 (P2): Mastering the principles and methods of quantitative and qualitative analysis in problem solving and scientific decision making based on database management. 3. PLO7 (KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO9 (KK2): Able to study and solve problems based on information technology. **Course Learning Outcomes (CLO)** 1. CLO1: Able to show creative, innovative, fighting spirit and responsibility. 2. CLO2: Mastering the principles and methods of quantitative analysis for problem solving and decision making. 3. CLO3: Able to apply logical, critical, systematic, and innovative thinking. 4. CLO4: Able to study and solve problems based on information technology. **The final ability of each learning stage (LLO)** 1. LLO1: Able to explain basic concepts in statistics: type of data, sample and population, sigma notation, probability function, expected value and variance responsibly (CLO 2) (CLO1). 2. LLO2: Able to analyze the nature and strength of the relationship between variables using covariance and correlation analysis logically and systematically (CLO 2) (CLO 3).

	3. LLO3: Able to analyze simple regression and perform hypothesis testing based on information technology (CLO 2) (CLO 4). 4. LLO4: Able to analyze multiple regression and perform hypothesis testing based on information technology (CLO2) (CLO4). 5. LLO5: Able to analyze qualitative data regression using dummy variables logically and systematically (CLO2) (CLO3). 6. LLO6: Able to prove the existence of problems in regression analysis including multicollinearity, heteroscedasticity and autocorrelation systematically and logically based on information technology (CLO2) (CLO3) (CLO4). 7. LLO7: Able to analyze time series data regression logically and systematically (CLO2) (CLO3).

MODULE HANDBOOK
ECONOMETRY

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Econometrics course discusses some basic statistical concepts including sigma notation, probability, probability function, expected value, variance and covariance, other topics are correlation analysis (simple correlation, ranking and partial) and regression analysis includes simple regression, multiple regression, dummy variable regression and time series data regression including problems in regression analysis.
Module level, if applicable	Undergraduate
Code, if applicable	22L- 616
Courses, if applicable	Econometry
Semester(s) in which the module is taught	5th (Fifth) Semester
Person responsible for the module	Ir. Eni Istiyanti, MP Dr. Susanawati, SP, MP
Lecturer	Ir. Eni Istiyanti, MP Dr. Susanawati, SP, MP
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 5th semester
Type of teaching, contact hours	Activities: e) Lecture in class (lecture, assignment, and discussion) f) Examinations g) Structures activities (take home assignments: project, review, summary) h) Independent Studies (examination preparation, discussion, required readings and independent study) - New Method: blended learning
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 2 x 45,33 hours =135,99 hours Workload= 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 credit points OR 3 credit points
Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance

	from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 5. PLO2 (S2): Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms, and ethics. 6. PLO5 (P2): Mastering the principles and methods of quantitative and qualitative analysis in problem solving and scientific decision making based on database management. 7. PLO7 (KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 8. PLO9 (KK2): Able to study and solve problems based on information technology. **Course Learning Outcomes (CLO)** 5. CLO1: Able to show creative, innovative, fighting spirit and responsibility. 6. CLO2: Mastering the principles and methods of quantitative analysis for problem solving and decision making. 7. CLO3: Able to apply logical, critical, systematic, and innovative thinking. 8. CLO4: Able to study and solve problems based on information technology. **The final ability of each learning stage (LLO)** 8. LLO1: Able to explain basic concepts in statistics: type of data, sample and population, sigma notation, probability function, expected value and variance responsibly (CLO 2) (CLO1). 9. LLO2: Able to analyze the nature and strength of the relationship between variables using covariance and correlation analysis logically and systematically (CLO 2) (CLO 3). 10. LLO3: Able to analyze simple regression and perform hypothesis testing based on information technology (CLO 2) (CLO 4). 11. LLO4: Able to analyze multiple regression and perform hypothesis testing based on information technology (CLO2) (CLO4). 12. LLO5: Able to analyze qualitative data regression using dummy variables logically and systematically (CLO2) (CLO3).

	13. LLO6: Able to prove the existence of problems in regression analysis including multicollinearity, heteroscedasticity and autocorrelation systematically and logically based on information technology (CLO2) (CLO3) (CLO4). 14. LLO7: Able to analyze time series data regression logically and systematically (CLO2) (CLO3).

MODULE HANDBOOK
AGRIBUSINESS INFORMATION MANAGEMENT

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Agribusiness Information Management (MIA) is a compulsory subject for Agribusiness Study Program students. After taking the Agribusiness Information Management course, students are expected to be able to: 1) Creative, innovative and responsible in using information technology, 2) Mastering the principles of scientific strategic decision making based on database management based on critical, logical and systematic thinking, and 3) Able to study and solve problems based on information technology.
Module level, if applicable	Undergraduate
Code, if applicable	22P-224
Courses, if applicable	Agribusiness Information Management
Semester(s) in which the module is taught	5th (Fifth) Semester
Person responsible for the module	Dr. Triyono, SP, MP
Lecturer	1. Heri Akhmadi, SP, MA, 2. Dr. Ir. Triyono, MP, 3. Muhammad Fauzan, SP, M.Sc, 4. Oki Wijaya, SP, MP
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 5th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) New Method: blended learning
Workload	2/1 credit points OR 3 credit points
Credit points	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 2 x 45,33 hours =135,99 hours Workload= 135,99 hours / 30 hours

	= 4.533 ECTS
Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO2 (S2): Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO5 (P2): Mastering the principles and methods of quantitative and qualitative analysis in problem solving and scientific decision making based on database management. 3. PLO7 (KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO9 (KK2): Able to study and solve problems based on information technology. Course Learning Outcomes (CLO) 1. CLO1: Able to show creative, innovative, fighting spirit and responsibility. 2. CLO2: Mastering the principles of scientific strategic decision making based on database management. 3. CLO3: Able to apply logical, critical, systematic, and innovative thinking. 4. CLO4: Able to study and solve problems based on information technology. **The final ability of each learning stage (LLO)** 1. LLO1: Able to identify information system needs in business organizations (CLO2, CLO3). 2. LLO2: Able to design information systems in business organizations for business decision purposes (CLO 1, CLO 2). 3. LLO3: Able to design information systems based on business processes on various agricultural commodities/products (CLO1, CLO4). 4. LLO4: Able to identify information system infrastructure needs in agribusiness organizations (CLO 2, CLO4). 5. LLO5: Able to design agribusiness company information system (CLO 1, CLO 4). 6. LLO6: Able to identify and classify Agribusiness data and information (CLO 2). 7. LLO7: Able to analyze agribusiness data and information (CLO 2). 8. LLO8: Able to explain the operation of Accounting SIM (CLO 2)

	9. LLO9: Able to explain agroindustry automation design (CLO 2).

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8	LLO 9
PLO 2	**CLO 1**		√	√		√				
PLO 5	**CLO2**	√	√		√		√	√	√	√
PLO 7	**CLO 3**	√								
PLO 9	**CLO 4**			√	√	√				

Content	1. Introduction to Information Systems and Management 2. Information Technology, Internet, and Wireless Technology 3. Social and Ethical Issues in Information Systems 150 4. Security Issues in the Information Society 322 5. Information Technology Infrastructure 191 6. Database and Information Management 283 7. Knowledge Management 446 8. Information System Design 515 9. ICT Applications in the Information Age 365, 400 10. ICT Applications in Agribusiness 99 165 225 283 11. Introduction to Information Management 12. Business Information and Decisions 13. SIM Type 14. Infrastructure and Management Support System 15. Information System Design and Development 16. Database Management 17. Information Resources 18. Company Information System 19. Integrated Information System
Studi and examination requirements and dorms of examination	- Lecture (including small group discussion and quiz) - Self-study - Practice (Laboratory) - Assignment - Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
Reading list	Management Information System: Managing Digital Firm. Global Edition. Laudon and Laudon 2014. Pearson Education.Inc, New Jersey.

	Sistem Informasi Manajemen: Mengelola Perusahaan Digital Ed. 13. Kenneth C. Laudon, Jane P. Laudon. 2015. Salemba Empat. Jakarta Information Technology for Management. 2021 Pearson Edexcel International Advanced Level in Applied ICT – Specification – Issue 1 – March 2016 © Pearson Education Limited 2016 ICT in Agriculture: World Bank. 2017. ICT in Agriculture (Updated Edition): Connecting Smallholders to Knowledge, Networks, and Institutions. Washington, DC: World Bank. © World Bank. https://openknowledge.worldbank.org/handle/10986/27526 License: CC BY 3.0 IGO

MODULE HANDBOOK
QUANTITATIVE METHOD

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Quantitative Method is aimed at equipping students with theory and its application in quantitative research methods activities in the agribusiness scope, such as understanding activities on quantitative methods, research variables and data, introduction to software, application of quantitative methods in the field, etc. The most important thing in quantitative methods is to give students added value about analytical tools in making decisions. This course is given in semester 5 with a weight of 3 credits including practicum and field activities.
Module level, if applicable	Undergraduate
Code, if applicable	22U - 617
Courses, if applicable	Quantitative Method
Semester(s) in which the module is taught	5th (Fifth) Semester
Person responsible for the module	Dr. Ir. Nur Rahmawati.MP
Lecturer	1. Dr. Ir. Nur Rahmawati, MP. 2. Dr. Ir. Widodo, MP 3. Dr. Aris Slamet Widodo, SPMSc.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 5th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) New Method: blended learning
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 2 x 45,33 hours =135,99 hours Workload= 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 credit points OR 3 credit points

Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO2 (S2): Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO5 (P2): Mastering the principles and methods of quantitative and qualitative analysis in problem solving and scientific decision making based on database management. 3. PLO7 (KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO8 (KK1): Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. Course Learning Outcomes (CLO) 1. CLO1: Able to show creative, innovative, fighting spirit and responsibility towards norms and ethics. 2. CLO2: Mastering the principles and methods of quantitative analysis. 3. CLO3: Able to apply logical, critical, and systematic thinking in agribusiness. 4. CLO4: Able to plan and manage agricultural data by utilizing science and technology. **The final ability of each learning stage (LLO)** 1. LLO1: Able to explain the meaning of scientific method and quantitative approach (CLO3). 2. LLO2: Able to explain research variables and data (CLO 2). 3. LLO3: Able to make research designs (CLO4). 4. LLO4: Able to understand various CLO2 quantitative analysis software. 5. LLO5: Able to apply Quantitative analysis software (CLO2). 6. LLO6: Able to apply quantitative methods in research in the field (CLO1, CLO4).

Correlation PLO, CLO, and LLO							
		LLO 1	**LLO2**	**LLO 3**	**LLO 4**	**LLO 5**	**LLO 6**
PLO 2	**CLO 1**					√	√
PLO 5	**CLO 2**		√		√	√	
PLO 7	**CLO 3**	√					
PLO 8	**CLO 4**			√			√

Content	1. Definition of Quantitative Method 2. Research Variables and Data 3. Research Instruments and questionnaire pembuatan 4. Quantitative Analysis Software 5. Technical analysis in quantitative methods 6. Application of Quantitative methods in the field
Studi and examination requirements and dorms of examination	- Lecture (including small group discussion and quiz) - Self-study - Practice (Laboratory) - Assignment - Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
Reading list	Hermawan, Iwan. 2019. Metode Penelitian Pendidikan. Jakarta: Hidayatul Quran Kuningan. Hermawan, Sigit., Amirullah. 2021. Metodologi Penelitian Bisnis: Pendekatan Kuantitatif & Kualitatif. Malang. Media Nusa Creative Solimun, Armanu dan Fernandes, A.A.R. 2018. Metodologi Penelitian Kuantitatif Perspektf Sistem: Mengungkap Novelty dan memenuhi Validitas Penelitian. Malang. UB Press. Nurdin, Ismail. Hartati, Sri 2019. Metodologi Penelitian Sosial. Surabaya. Media Sahabat Cendekia Kurniawan, R. 2016. Analisis regresi. Jakarta. Prenada Media. Kristanto, Yosep Dwi. 2021. Metode statistik jilid 2. PT Kanisius Yogyakarta.

MODULE HANDBOOK
BUSINESS CONSULTING TECHNIQUE

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Business Consulting Technique is a compulsory subject for 5th semester students of the Agribusiness Study Program. In short, the purpose of this course is to fulfill one of the competencies of agribusiness graduates, namely as a consultant, especially consultants in the field of agribusiness. One of the ways to fulfill this competence is to have the ability to identify problems and provide alternative solutions in the field of agribusiness comprehensively.
Module level, if applicable	Undergraduate
Code, if applicable	22U-736
Courses, if applicable	Business Consulting Technique
Semester(s) in which the module is taught	5th (Fifth) Semester
Person responsible for the module	Dr. Ir. Indardi, M.Si.
Lecturer	1. Dr. Ir. Indardi, M. Si 2. Heri Akhmadi SP MA.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 5th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) New Method: blended learning
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 2 x 45,33 hours =135,99 hours Workload= 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 credit points OR 3 credit points
Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance

	from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO2 (S2): Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms, and ethics. 2. PLO4 (P1): Mastering the concepts and theories of economics, management, business, and technology in agriculture based on sharia principles. 3. PLO7 (KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO8 (KK1): Able to plan, manage, and develop agricultural business units by utilizing local resource-based science and technology. Course Learning Outcomes (CLO) 1. CLO1: Able to show a creative, innovative attitude in agriculture. 2. CLO2: Mastering the concept of technology in the field of agricultural production. 3. CLO3: Able to apply logical, critical, systematic, and innovative thinking in the use of agricultural technology. 4. CLO4: Able to plan, manage, and develop agricultural business units. **The final ability of each learning stage (LLO)** 1. LLO1: Understand the concept of consulting and business problems in agriculture. 2. LLO2: Understand the principles, steps, and process of counseling in the field of agribusiness. 3. LLO3: Able to use counseling theory in accordance with the problems that exist in agribusiness companies. 4. LLO4: Able to develop communication and mindsets for problem solving in agribusiness companies. 5. LLO5: Able to identify problems and solutions in consultation.

Correlation ELO, CLO and LLO						
		LLO 1	**LLO 2**	**LLO 3**	**LLO 4**	**LLO 5**
PLO 2	**CLO 1**	√		√		
PLO 4	**CLO 2**		√			√
PLO 7	**CLO 3**				√	
PLO 8	**CLO 4**					√

Content	1. Introduction to Consulting Techniques (1) 2. Basic Theory of Counseling (3) 3. Principles, Steps and Consultation Process (3) 4. Building Consultant and Client Communication (2) 5. Understanding Business Problems (1) 6. Mindset in Problem Solving (2) 7. Problem Solving Stages (2)
Studi and examination requirements and dorms of examination	- Lecture (including small group discussion and quiz) - Self-study - Practice (Laboratory) - Assignment - Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
Reading list	Alexandra, Dandy (2014). Meraup Rupiah dari Bisnis Jasa Konsultan (Indonesian Edition). Alex Media Komputindo. Coolahan, C., Goulet, T., and Archibald, M (2012). Fanjob Guide to Become a Business Consultant. FabJob Incorporated. Hardjito, D. 2003. Pemecahan masalah Analitik, Prenada. Jakarta McLeod, John. Tahun 2010. Pengantar Konseling, Teori dan Studi Kasus, Edisi III, Kencana Prenada Media Group. Jakarta. Harris, Robert. 2023. Creative Problem Solving : A Step by Step Approach. Taylor & Francis. New York Rasiel, Ethan and Friga, Paul. N (2001). The McKinsey Mind: Understanding and Implementing the Problem-Solving Tools and Management Techniques of the World's Top Strategic Consulting Firm 1st Edition. Mc-Graw-Hill Education. Gomulya, Berny. 2015. Problem solving and decsion making for improvement. Gramedia Pustaka Utama. Jakarta. Hill, Napoleon (2016). Think and Grow Rich. Mic Publishing.

	Kiyosaki, R.T (2017). Rich Dad Poor Dsad: What the Rich Teach Their Kids About Money That the Poor and Middle Class Do Not! Plata Publishing. Setiawan, M. A (2018). Pendekatan-Pendekatan Konseling (Teori dan Aplikasi).Deepublish. Handini, Sri. dkk. 2019. Strategi Pemberdayaan Masyarakat Dalam Upaya Pengembangan UMKM Wilayah Pesisir. Surabaya: Scopindo Media Pustaka Sutirna. 2013. Bimbingan dan Konseling, Pendidikan Formal, Non Formal dan Informal

MODULE HANDBOOK
PLANT PROTECTION

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Plant Protection is a course to prepare students to master integrated pest control in relation to cultivation systems to support Good Agricultural Practices (GAP) based on advances in science and technology. This course studies the types of Plant Destruction Organisms such as pests, diseases, and weeds, plant cultivation systems, and integrated pest control. To study this course students must understand agronomy and land management. This course is very important to introduce integrated control technology to support sustainable agriculture. During the learning process, this Constitutional Court utilizes an online system or e-learning to optimize the quality of the learning process, speed up and simplify the learning process so that the targeted learning objectives can be achieved. With this E-learning, students will have easy access to obtain lesson plans and learning materials for one semester. Learning evaluation activities will also be carried out through e-learning where students will be burdened with several assignments or exams that are presented in various models according to the achievement of competencies in each material.
Module level, if applicable	Undergraduate
Code, if applicable	22U-143
Courses, if applicable	Plant Protection
Semester(s) in which the module is taught	5th (Fifth) Semester
Person responsible for the module	Dr. Ihsan Nurkomar
Lecturer	1. Dr. Ihsan Nurkomar 2. Dr. Siti Nur Aisyah 3. Dina Wahyu Trisnawati, Ph.D
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 5th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study)

	New Method: blended learning
Workload	4.533 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 3 SCU = 2 x 45,33 hours =135,99 hours Workload= 135,99 hours / 30 hours = 4.533 ECTS
Credit points	2/1 credit points OR 3 credit points
Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	ELO 1. ELO1: Able to apply effective plant cultivation knowledge and technology in sustainable (modern and wisdom-based agricultural systems local). 2. ELO2: Capable apply plant cultivation technology oriented on upgrading production, efficiency, quality, and sustainability in accordance with GAP (Good Agricultural Practices). 3. ELO3: Able to make decisions logiically, systematically, and innovatively in solving system problems sustainable agricultural cultivation 4. ELO4: Able to communicate effectively in the language of Indonesian and English. CLO 1. CLO1: Explain the functions, goals, and objectives of the plant protection course. 2. CLO2: Mastering the general concepts and principles of the management of pest organisms (OPT) in plant cultivation. 3. CLO3: Identify various types of pests, symptoms, signs of attack on cultivated plants. 4. CLO4: Identify various types of plant and plant diseases. LLO 1. LLO1: Able to explain the function of the objectives and targets of the plant protection course. 2. LLO2: Able to explain how to manage pest organisms in plant cultivation. 3. LLO3: Able to explain types of pests, symptoms, and signs of attack on cultivated plants.

	4. LLO4: Able to explain various types of diseases that attack plants and plants.
Content	1. OPT Principles and Concepts in Agricultural Cultivation 2. Pests in Plant Cultivation 3. Pest Control 4. Weeds in Crop Cultivation 5. Basic Concepts of Plant Diseases 6. Principles of Plant Disease Management 7. Plant Disease Management Strategy 8. Weed Management in Farmland
Studi and examination requirements and dorms of examination	- Lecture (including small group discussion and quiz) - Self-study - Practice (Laboratory) - Assignment - Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
Reading list	Kalshoven, LGE, (1981). The Pest of Crops in Indonesia. Revised and Translated By PA Van der laan. Jakarta: PT. Ichtiar Baru-Van Hoeve. Agrios, GN (2005). Introduction to plant pathology. Elsevier Academic Press Publication. Fang, Y., & Ramasamy, R. (2015). Current and prospective methods for plant disease detection. Biosensors, 5(3), 537-561. Ray, M., Ray, A., Dash, S., Mishra, A., Achary, KG, Nayak, S., & Singh, S. (2017). Fungal disease detection in plants: Traditional assays, novel diagnostic techniques and biosensors. Biosensors and Bioelectronics, 87, 708-723. McCartney, HA, Foster, SJ, Fraaije, BA, & Ward, E. (2003). Molecular diagnostics for fungal plant pathogens. Pest Management Science: formerly Pesticide Science, 59 (2), 129-142. Bebber, DP, & Gurr, SJ (2015). Crop-destroying fungal and oomycete pathogens challenge food security. Fungal Genetics and Biology, 74, 62-64.

Compulsory Courses

(6 th Semester)

MODULE HANDBOOK
COLD CHAIN

The Module Handbook or collection of module descriptions that are also available for students to consult should contain the following information about each module:

Module designation	Cold Chains is an elective course that contains handling of agricultural products with a series of low-temperature operations so that they reach the end consumers with quality that is close to the quality of the raw materials. Also given material about the damage to food that may occur during handling and how to handle it. Because in order to deliver the final product to the hands of consumers, efforts must be made not to change the quality, so it is also studied about packaging and transportation equipment that is adequate/qualifies for that.
Module level, if applicable	Bachelor
Code, if applicable	22L-646
Course, if applicable	Cold Chain
The semester(s) in which the module is taught	Sixth semester
The person in charge of the module	Dr. Ir. Nur Rahmawati, MP Dr. Ir. Triwara Buddha S, MP
Lecturer	Dr. Ir. Nur Rahmawati, MP Dr. Ir. Triwara Buddha S, MP
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, Elective Course for faculty, 6^{th} semester
Type of teaching, contact hours	Activity: a) Lectures in class (lectures, assignments, and discussions) b) Exam c) Structured activities (take-away assignments) d) Independent Study (exam preparation, discussion and personal study) e) Practice - Method: mixed learning
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours

	= 90,66 hours Workload = 90,66 hours / 30 hours = 3.02 ECTS
Credit points	2 credit points
Requirements according to the exam rules	- To be able to take the final exam, student attendance is at least 75% of the effective meeting. Out of 16 meetings, students must attend a minimum of 10 meetings to take the exam. - To be able to take the practicum exam, the number of student attendance must be 100% of the six effective meetings.
Module objectives/desired learning outcomes	**Programme Learning Outcome (PLO)** ● PLO2(S2): Able to show creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. ● PLO4(P1): Mastering the concepts and theories of economics, management, business and technology in agriculture based on Sharia principles ● PLO7(KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** ● CLO1: Able to show a creative, innovative attitude in the management of agricultural products. ● CLO2: Mastering the concepts and theories of technology in agriculture. ● CLO3: Able to apply logical, critical, systematic, and innovative thinking in the management of agricultural products. **The final ability of each learning stage (LLO)** ● LLO1: Able to explain the scope of handling agricultural products with low temperature operations correctly. ● LLO2: Able to explain the Basic Principles of Low Temperature Storage ● LLO3: Able to explain and identify Damage in low temperature storage & its prevention

	● LLO4: Able to explain and apply the Basic Principles & Methods of Freezing Food Ingredients ● LLO5: Able to explain Freezing Method and identify Freezing Damage and how to handle it ● LLO6: Able to explain and identify the Effect of Refrigeration & Freezing on Quality ● LLO7: Able to explain and determine the type of Packaging & Transportation System in handling Frozen Food products and shipping them to consumers.

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7
PLO 2	**CLO 1**			**V**	**V**	**V**	**V**	
PLO 4	**CLO 2**	**V**	**V**	**V**	**V**	**V**	**V**	**V**
PLO 7	**CLO 3**			**V**	**V**	**V**		**V**

Contents	Learning materials: 1. Introduction and Lecture Contract 2. Basic Principles of Low Temperature Storage 3. Damage in low temperature storage & prevention 4. Basic Principles & Methods of Freezing Food Ingredients 5. Freezing Way 6. Effect of Refrigeration & Freezing on Quality 7. Frozen Food Packaging & Transportation System
Study requirements and exams and exam forms	Lectures, projects, self-study, assignments Midterm exam: Exam Final Exam: Take-Home Assignment
Media used	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
Reading list	**Main**
	Kusnadi, Joni. 2018. Pengawet Alami untuk Makanan. UI Press. Malang Muchtadi, Tien R. 2019. Ilmu Pengetahuan Bahan Pangan, Cetakan Ketujuh. Alfabeta. Bandung Julianti, Sri. 2014. The Art of Packaging : Mengenal Metode, Teknik & Strategi. PT Gramedia Pustaka Utama. Jakarta Teknologi Penyimpanan dan Penggudangan Produk Pangan, Soewarno T Soekarto,Welli Yuliatmoko, 2018,Intimedia Publishing, Malang

	Supporter
	Suhaimi, Ahmad. 2019. Pangan, Gizi, dan Kesehatan. Deepublish. Yogyakarta Surono, Inggrid Suryanti. 2018. Pengantar Keamanan Pangan untuk Industri Pangan. Deepublish. Yogyakarta Jamrianti, Rinrin. 2021. Pengemasan dan pelabelan pangan. AE Publishing. Malang

MODULE HANDBOOK
MASS COMMUNICATION

The Module Handbook or collection of module descriptions that are also available for students to consult should contain the following information about each module:

Module designation	Mass Communication is an elective course for 6th semester students in the Agribusiness Study Program. In short, the purpose of the Mass Communication course is to fulfill one of the competencies of agribusiness graduates, either as an entrepreneur, manager, consultant or as a researcher in the field of agribusiness. One of the ways to fulfill these competencies is to have the ability to identify the characteristics of mass media and use them for promotion, image building, and comprehensive relationship building in the field of agribusiness.
Module level, if applicable	Bachelor
Code, if applicable	22L-636
Course, if applicable	Mass Comunication
The semester(s) in which the module is taught	Sixth semester
The person in charge of the module	Dr. Ir. Nur Rahmawati, MP. Dr. Ir. Indardi, M.Si.
Lecturer	Dr. Ir. Indardi, M.Si.
Language	Indonesian
Relations to curriculum	Bachelor of Agribusiness Program, Elective Course for faculty, 6th semester
Type of teaching, contact hours	Activities: *a)* Lectures in class (lectures, assignments, and discussions) *b)* Exam *c)* Structured activities (take-away assignments) *d)* Independent Study (exam preparation, discussion and personal study) *e)* Practice - Method: mixed learning
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3.02 ECTS
Credit points	2 credit points

Requirements according to the exam rules	- To be able to take the final exam, student attendance is at least 75% of the effective meeting. Out of 16 meetings, students must attend a minimum of 10 meetings to take the exam. - To be able to take the practicum exam, the number of student attendance must be 100% of the six effective meetings.
Module objectives/desired learning outcomes	ELO charged to Course ● ELO3(S3): Able to work together in a synergistic team according to their field of expertise. ● ELO54(P2): Mastering the concepts and principles of information technology-based business communication ● ELO7(KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise Course Learning Outcomes (CLO) ● CLO1: Able to work in a team in synergy. ● CLO2: Mastering the concepts and principles of communication. ● CPMK3: Able to apply logical, critical, and systematic thinking in community development. The final ability of each learning stage (LLO) ● LLO1: Able to explain the characteristics, models and theories of mass communication logically and systematically ● LLO4: Able to use Uses and Gratification theory, Agenda Setting, Content Analysis, Audience Analysis, Experimental research for team work communication research in agriculture.
Contents	Learning materials: *1.* Definition, Characteristics and Theory of Mass Communication (3) *2.* Mass Communication Effects and Feedback (4) *3.* Types of Media (Print Media, Radio, Television, People's Media, Internet) and Agricultural Business (4) *4.* Mass Communication Studies (Uses and Gratification, Agenda Setting, Content Analysis, Audience Analysis, Experimental research) (2) *5.* The Role of Mass Communication in Agricultural Development (1)

Study requirements and exams and exam forms	Lectures, projects, self-study, assignments Midterm exam: Exam Final Exam: Take-Home Assignment
Media used	Laptop, LCD, powerpoint, smartphone, Wifi, Google classroom, stationery, whiteboard
Reading list	**Main**
	1. Depari, E dan C.MacAndrews. 2014. Peranan Komunikasi Massa dalam Pembangunan, Gadjah Mada Press, Yogyakarta *2.* Dominick, JR 2016. The Dynamics of Mass Communication, McGraw-Hill Publishing Company, New York *3.* Effendy,OU. 2017. Ilmu, Teori dan Filsafat Komunikasi, Citra Aditya Bakti, Bandung *4.* McQuail, D.2013. Teori Komunikasi Massa, Suatu Pengantar, Erlangga, Jakarta *5.* McQuail, D. and Sven Windahl. 2014. Communication Models, Longman, New York.
	Supporter
	1. Ban, AW Van Den and HS Hawkins. 2014. Agricultural Extension, John Wiley & Sons, Inc., New York. Jahi, A.2013. *2.* Komunikasi Massa dan Pembangunan Pedesaan di Negara-Negara Dunia Ketiga: Suatu Pengantar, Gramedia Pustaka Utama, Jakarta *3.* Wahyudi, JB.2014. Tek. Informasi dan Produksi Citra Bergerak, Gramedia, Jakarta

MODULE HANDBOOK
NATURAL RESOURCE MANAGEMENT

The Module Handbook or collection of module descriptions that are also available for students to consult should contain the following information about each module:

Module designation	Natural Resource Management is a course with a weight of 2 credits given in Semester VI. Through this course, students are introduced to the basic principles of natural resource management for sustainable agriculture ranging from scope, classification, conservationnatural resources and various problems of natural resource management and environmental impact analysis. By taking the Natural Resource Management course, students are expected to have a correct understanding of the concepts, principles and management of Natural Resources for sustainable agriculture. Students also have the attitude of Cooperation with various stakeholders so that natural resource management runs in a synergistic and sustainable manner.
Module level, if applicable	Bachelor
Code, if applicable	22L-555
Course, if applicable	Natural Resource Management
The semester(s) in which the module is taught	Sixth semester
The person in charge of the module	Dr. Ir. Nur Rahmawati, MP Dr. Triyono, SP, MP
Lecturer	Dr. Triyono, SP, MP
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, Elective Course for faculty, 6th semester
Type of teaching, contact hours	Activity: a) Lectures in class (lectures, assignments, and discussions) b) Exam c) Structured activities (take-away assignments) d) Independent Study (exam preparation, discussion and personal study) e) Practice - Method: mixed learning
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours

	= 3.02 ECTS
Credit points	2 credit points
Requirements according to the exam rules	- To be able to take the final exam, student attendance is at least 75% of the effective meeting. Out of 16 meetings, students must attend a minimum of 10 meetings to take the exam. - To be able to take the practicum exam, the number of student attendance must be 100% of the six effective meetings.
Module objectives/desired learning outcomes	**Programme Learning Outcome (PLO)** ● PLO1: Able to work together in a synergistic team according to their area of expertise. ● PLO4: Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. ● PLO7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** ● CLO1: Able to work in a team in synergy. ● CLO2: Mastering the concepts and theories of economic management in the field of natural resources. ● CLO3: Able to apply logical, critical, systematic, and innovative thinking in natural resource management. **The final ability of each learning stage (LLO)** ● LLO1: Able to explain the concept and scope of natural resources/SDA in relation to economic development (CLO2) ● LLO2: Able to explain the relationship between population, industry and natural resources (CLO2) ● LLO3: Able to identify the types of natural resources (CLO2) ● LLO4: Able to identify economic variables in natural resource management (CLO2) ● LLO5: Able to design conservation techniques and allocation of natural resources over time (CLO2, CLO3)

	• LLO6: Able to identify socio-economic problems of land resources and develop planning - management (CLO1, CLO2) • LLO7: Able to identify socio-economic problems of Water resources and develop planning - management (CLO1, CLO2) • LLO8: Able to identify socio-economic problems of forest resources and develop plans for their management (CLO1, CLO2) • LLO9: Able to identify socio-economic problems of forest resources and develop plans for their management (CLO1, CLO2) • LLO10: Able to perform environmental impact analysis / AMDAL (CLO1, CLO2)

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8	LLO 9	LLO 10
PLO 1	**CLO 1**						√	√	√	√	√
PLO 4	**CLO 2**	√	√	√	√	√	√	√	√	√	√
PLO 7	**CLO 3**					√					

Contents	Islamic economics Management business Sharia financial management Islamic Financial Institutions
Study requirements and exams and exam forms	Lectures, projects, self-study, assignments Midterm exam: Exam Final Exam: Takeaway Task
Media used	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
Reading list	**Main**
	Wahyunindyawati dan Dyanasari, 2017. Ekonomi Sumber Daya Alam dan Lingkungan. Deepublish, Yogyakarta
	Supporter
	Yakin A, 2004. Ekonomi Sumber Daya Alam dan Lingkungan Teori dan Kebijakan Pembangunan Berkelanjutan, Akademika Pressindo. Jakarta

MODULE HANDBOOK
AGRICULTURAL DEVELOPMENT POLICY

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	The Agricultural Development Policy course discusses the basic concepts of economic and agricultural development, characteristics and objectives of agricultural development, theories and models of agricultural development, agricultural development policies in Indonesia, agricultural development policies in various countries, analysis of policy-based superior commodity development opportunities, and structure Social.
Module level, if applicable	Undergraduate
Code, if applicable	22U-424
Courses, if applicable	Agricultural Development Policy
Semester(s) in which the module is taught	6th Semester
Person responsible for the module	Ir. Eni Istiyanti, M.P.
Lecturer	1. Ir. Eni Istiyanti, M.P. 2. Ir. Pujastuti Sulistyaning Dyah, M.M.
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, Elective Course for faculty, 6th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings, and independent study) New Method: blended learning
Workload	3,02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload= 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 credit points

Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting, 12 meetings minimum attendance from total in 16 times lecture meetings are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO 2: Demonstrate creative, innovative, fighting spirit and responsibility towards the rule of law, norms and ethics. 2. PLO 4: Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles.. 3. PLO 7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1: Able to show creative, innovative, fighting spirit and responsibility towards the rule of law. 2. CLO2: Mastering the concepts and theories of development economics and agricultural policy. 3. CLO3: Able to apply logical, critical, systematic, and innovative thinking in agricultural development. **The final ability of each learning stage (LLO)** 1. LLO1: Able to explain the concept of economic development and agricultural development (CLO 2). 2. LLO2: Able to explain the characteristics and objectives of agricultural development (CLO 2). 3. LLO3: Able to apply theories and models of agricultural development logically, critically and systematically (CLO 2, CLO 3). 4. LLO4: Able to explain agricultural development policies in Indonesia creatively and innovatively (CLO2, CLO1). 5. LLO5: Able to explain agricultural development policies in various countries creatively and innovatively (CLO2, CLO1). 6. LLO6: Able to apply logical, critical, systematic thinking to analyze superior commodities (CLO2, CLO3).
Content	1. Basic concepts of Economic and agricultural development 2. Characteristics and objectives of agricultural development 3. Theories and models of agricultural development 4. Agricultural development policies in Indonesia 5. Agricultural development policies in various countries 6. Analysis of policy-based superior commodity development opportunities

Correlation PLO, CLO and LLO							
		LLO 1	**LLO 2**	**LLO 3**	**LLO 4**	**LLO 5**	**LLO 6**
PLO 2	**CLO 1**				√	√	
PLO 4	**CLO 2**	√	√	√	√	√	√
PLO 7	**CLO 3**			√			√

Studi and examination requirements and dorms of examination	● Lecture (including small group discussion and quiz) ● Self-study ● Assignment ● Examination (midterm and final exam)
Media employed	Laptop, LCD, Powerpoint, smartphone, whiteboard, e-learning, etc.
Reading list	1. Bustanul, A. 2013. Economics of Agricultural Development. Publisher. PT Publisher IPB Press 2. Bustanul, A. 2003. Agricultural Development: Policy Paradigm and Revitalization Strategy. Publisher Grasindo. Jakarta 3. Arifin, B. 2005. Agricultural Development Paradugms of Revitalization Policies and Strategies. PT. Grasindo. Jakarta

MODULE HANDBOOK
COMMUNITY DYNAMICS

Module designation	The Community Dynamics course is a course designed so that students understand the important aspects of changing the social life of society and its development which is directed to progress in accordance with the times. The important aspects in question are technological factors, government policies, leadership, and natural factors. By understanding these factors, students are expected to be able to explore these aspects towards the desired progress changes
Module level, if applicable	Undergraduate
Code, if applicable	22P-416
Courses, if applicable	Community Dynamics
Semester(s) in which the module is taught	6th (Sixth) Semester
Person responsible for the module	Dr. Ir. Indardi, M.Si.
Lecturer	1. Dr. Ir. Indardi, M.Si. 2. Zuhud Rozaki, S.P., M.App.Sc., Ph.D..
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, Elective Course for faculty, 6th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings, and independent study) New Method: blended learning with Myklass
Workload	3,02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours =90,66 hours Workload= 90,66 hours / 30 hours = 3,02 ECTS
Credit points	2 credit points
Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting, 12 meetings minimum attendance

	from total in 16 times lecture meetings are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO3: Able to work in a team in synergy according to their area of expertise. 2. PLO6: Mastering the concepts and principles of information technology-based business communication... 3. PLO7: Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise.. **Course Learning Outcomes (CLO)** 1. CLO1: Able to work in a team in synergy.. 2. CLO2: Mastering the concepts and principles of information technology-based business communication.. 3. CLO3: Able to apply logical and critical thinking in community development.. **The final ability of each learning stage (LLO)** 1. LLO1: Able to understand Agricultural Sociology. 2. LLO2: Able to understand government policy.. 3. LLO3: Able to understand community organization. 4. LLO4: Able to understand technological developments. 5. LLO5: Able to understand the environment and disasters. 6. LLO6: Able to understand leadership.

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6
PLO 3	**CLO 1**	√		√			√
PLO 6	**CLO 2**		√		√		
PLO 7	**CLO 3**			√		√	√

Content	1. Agricultural Sociology Review 2. Government Policy 3. Community Organization 4. Technological Development 5. Environment and Disasters 6. Leadership
Studi and examination requirements and dorms of examination	● Lecture (including small group discussion and quiz) ● Self-study

	● Assignment ● Examination (midterm and final exam)
Media employed	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
Reading list	1. Murji, Karim. dkk. (2021). An Introduction to Sociology. 2. Adams, Robert. (2017). Empowerment, Participation and Social Work. 3. Humphreys, M., Sachs, J. D., Stiglitz, J. E., Soros, G., & Humphreys, M. (2007). Escaping the resource curse. Columbia University Press.

MODULE HANDBOOK
RESEARCH METHODOLOGY

A Module Handbook or Collection of module descriptions that is also available for students to consult should contain the following information about the individual modules:

Module designation	Research Methodology is a compulsory subject for students majoring in Agribusiness with a load of 1 credit for theory and 2 credits for practicum. Lectures are conducted face-to-face in class using lecture, discussion, and assignment methods. Practicum is carried out in the laboratory by means of discussion, each student independently presents a research proposal per section, students also have the task of discussing their friends' papers.
Module level, if applicable	Undergraduate
Code, if applicable	22U-616
Courses, if applicable	Research Methodology
Semester(s) in which the module is taught	6th Semester
Person responsible for the module	1. Zuhud Rozaki, SP, M.App.Sc, Ph.D. 2. Dr. Susanawati, SP, MP
Lecturer	1. Dr. Susanawati, S.P., M.P. 2. Dr. Nur Rahmawati, SP, MP 3. Dr. Triyono, SP, MP 4. Dr. Sriyadi, SP, MP
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, compulsory course for faculty, 6th semester
Type of teaching, contact hours	Activities: a) Lecture in class (lecture, assignment, and discussion) b) Examinations c) Structures activities (take home assignments: project, review, summary) d) Independent Studies (examination preparation, discussion, required readings and independent study) New Method: blended learning
Workload	6.04 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 4 SCU = 4 x 45,33 hours =181,32 hours Workload= 181,32 hours / 30 hours = 6.04 ECTS
Credit points	2/2 credit points

Requirements according to the examination regulations	Students who have a minimum attendance of 75% from total lecture meeting (12 meetings minimum attendance from total in 16 times lecture meetings) are allowed to take examination.
Module objectives/intended learning outcomes	**Programme Learning Outcome (PLO)** 1. PLO2 (S2): Able to show religious attitude, love the homeland and uphold human values. 2. PLO5 (P2): Mastering the principles and methods of quantitative and qualitative analysis in problem solving and scientific decision making based on database management. 3. PLO7 (KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. 4. PLO8 (KK1): Applying logical, critical, systematic, and innovative thinking in the context of the development or implementation of science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** 1. CLO1: Able to show religious attitudes and human values (PLO 2). 2. CLO2: Mastering the principles and methods of quantitative and qualitative analysis (PLO 5). 3. CLO3: Able to apply logical, critical, systematic, and innovative thinking in agriculture (PLO 7). 4. CLO4: Able to study and provide alternative solutions to problems in the agricultural sector (PLO 8). **The final ability of each learning stage (LLO)** 1. LLO1: Able to understand scientific truth and research feasibility (CLO 4). 2. LLO2: Able to identify problems, problem formulation, and research objectives (CLO 2). 3. LLO3: Able to explain theoretical approach framework (CLO 3). 4. LLO4: Able to develop research designs and sampling techniques (CLO 1, CLO 3). 5. LLO5: Able to explain research variables, compile operational definitions and measurement of variables (CLO 3) (CLO 4). 6. LLO6: Able to determine and explain the types of data and data collection techniques (CLO 4)

	7. LLO7: Able to determine data analysis techniques as well as compiling the research methodology section (CLO 2, CLO 4). 8. LLO8: Able to compose research proposals completely and according to the rules of research methodology (CLO 3) (CLO 4).

Correlation PLO, CLO and LLO

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7	LLO 8
PLO 2	**CLO 1**				√				
PLO 5	**CLO 2**		√					√	
PLO 7	**CLO 3**			√	√	√			√
PLO 8	**CLO 4**	√				√	√	√	√

Content	1. Identification of Problem Formulation 2. Theoretical Approach Framework 3. Thinking Framework and Research Hypotheses 4. Research design 5. Data collection technique 6. Operational Definition and Measurement of Variables 7. Data analysis technique
Studi and examination requirements and dorms of examination	- Lecture (including small group discussion and quiz) - Self-study - Practice (Laboratory) - Assignment - Examination (midterm and final exam)
Media employed	Laptop, LCD, Powerpoint, smartphone, whiteboard, e-learning, etc.
Reading list	Winami, Endang Widi. 2021. Teori dan Praktik Penelitian Kuantitatif, Kualitatif, PTK, R&D. Bumi Aksara. Jakarta Yusuf, M., A. 2017. Metode Penelitian Kuantitatif, Kualitatif & Penelitian Gabungan. Penerbit Prenada Media. Jakarta. Sudaryono. 2017. Metodologi Penelitian Penerbit Rajawali Pers. Depok. Sugiyono. 2015. Metode Penelitian Kuantitatif, Kualitatif, dan Kombinasi (Mixed Methods). Penerbit Alfabeta. Bandung. Hartono, J. 2018. Metoda Pengumpulan dan Teknik Analisis Data. Penerbit Andi Offset. Depok.

	Anggoto, Albi. 2018. Memahami Penelitian Kualitatif. CV Jejak. Jawa Barat

MODULE HANDBOOK
SALESMANSHIP

Module designation	Salesmanship is a course that contains a series of stages of selling a product. Here we discuss everything that must be prepared in selling products, starting from mastering product knowledge, the necessary tools, mastering policies implemented by the company. In addition, it is also learned about the procedures and attitudes in carrying out product sales presentations to how to extend good relationships with consumers to get loyal consumers.
Module level, if applicable	Bachelor
Code, if applicable	22P-255
Course, if applicable	Salesmanship
The semester(s) in which the module is taught	Sixth semester
The person in charge of the module	Dr. Ir. Nur Rahmawati, MP Dr. Ir. Triwara Buddha S, MP
Lecturer	Dr. Ir. Triwara Buddha S, MP
Language	Indonesian
Relation to curriculum	Bachelor of Agribusiness Program, Elective Course for faculty, 6^{th} semester
Type of teaching, contact hours	Activity: a) Lectures in class (lectures, assignments, and discussions) b) Exam c) Structured activities (take-away assignments) d) Independent Study (exam preparation, discussion and personal study) e) Practice - Method: mixed learning
Workload	3.02 ECTS 1 SCU = 170 minutes x 16 meetings = 2,720 minutes = 45,33 hours 2 SCU = 2 x 45,33 hours = 90,66 hours Workload = 90,66 hours / 30 hours = 3.02 ECTS
Credit points	2 credit points
Requirements according to the exam rules	- To be able to take the final exam, student attendance is at least 75% of the effective meeting. Out of 16 meetings, students must attend a minimum of 10 meetings to take the exam.

	- To be able to take the practicum exam, the number of student attendance must be 100% of the six effective meetings.
Module objectives/desired learning outcomes	**Programme Learning Outcome (PLO)** ● PLO3(S3): Able to work together in a synergistic team according to their field of expertise ● PLO5(P2): Mastering the concepts and theories of economics, management, business and technology in agriculture based on sharia principles. ● PLO7(KU1): Able to apply logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology in accordance with their field of expertise. **Course Learning Outcomes (CLO)** ● CLO1: Able to work in a team in synergy. ● CLO2: Mastering the concepts and theories of business in agriculture. ● CLO3: Able to apply logical and innovative thinking in agricultural business development. **The final ability of each learning stage (LLO)** ● LLO1: Able to explain the basic concepts of marketing and sales correctly ● LLO2: Able to identify and classify the buyer models faced in selling products ● LLO3: Able to understand the function of the Salesperson and how to behave and speak when selling company products ● LLO4: Able to understand Product Knowledge and be able to explain it when selling products ● LLO5: Able to explain the role of Marketing Strategy & Function and able to identify competition in product sales ● LLO6: Able to apply the stages in making a complete Sales Presentation up to the face of rejection by prospective buyers ● LLO7: Able to end presentations and Close Sales Deals and implement strategies to be able to sell more.
Correlation PLO, CLO and LLO	

		LLO 1	LLO 2	LLO 3	LLO 4	LLO 5	LLO 6	LLO 7
PLO 3	**CLO 1**		**V**	**V**		**V**		
PLO 5	**CLO 2**	**V**	**V**		**V**	**V**		
PLO 7	**CLO3**		**V**		**V**		**V**	**V**

Contents	1.Definition of Salesmanship, 2.Between Marketing & Sales, 3.Buyer Model, 4.How to change (real) Price and Price Discrimination, 5.Emotions of primary pricing, 6.Sellers, 7.Knowledge about the product, 8.Strategy & Marketing Functions, 9.Making Sales Presentations, 10.Responding to Buyers' Objections, 11.Closing Sales Transactions, 12.How to ask yourself
Study requirements and exams and exam forms	Lectures, projects, self-study, assignments Midterm exam: Exam Final Exam: Take-Home Assignment
Media used	Laptop, LCD, whiteboard, Myklass (https://myklass-agric.umy.ac.id/my/)
Reading list	**Main**
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