



**2022**

# **MODULE HANDBOOKS**

**Undergraduate Program of Agribusiness**

**FACULTY OF AGRICULTURE  
LAMPUNG UNIVERSITY**

**MODULE HANDBOOKS**  
**UNDERGRADUATE PROGRAM OF AGRIBUSINESS**

### ***The List of Courses in the Semester 1***

<b>Semester 1</b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	Islamic Education	UNI620101	2-1	3	4,77
2	Catholic Education	UNI620102	2-1	3	4,77
3	Christian Education	UNI620103	2-1	3	4,77
4	Hindu Education	UNI620104	2-1	3	4,77
5	Buddhist Education	UNI620105	2-1	3	4,77
6	Pancasila Education	UNI620108	2-0	2	3,18
7	English Language	FPU620101	2-1	3	4,77
8	Biology	FPU620102	2-1	3	4,77
9	Introduction to Economics	AGB620101	2-1	3	4,77
10	Introduction to Agribusiness	AGB620102	2-0	2	3,18
11	Mathematical Economics	AGB620103	2-1	3	4,77
12	The Basics of Management	AGB620104	2-0	2	3,18
13	Rural Sociology	PPN620101	2-1	3	4,77
<b>Total</b>			<b>44730</b>	<b>24</b>	<b>38,16</b>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Islamic Education</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>st</sup></i>
<i>Person responsible for the module</i>	<i>Ir. Hery Novpriansyah, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and discussion) Practicum sessions (Small group discussion, Contextual instruction and Role-play Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to represent honesty, responsibility, toughness, and discipline as a reflection from pioucity to The One Almighty God (A5)</i></li> <li>• <i>Students are able to elaborate the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> </ul>
<i>Content</i>	<i>Islamic Education course is a 3 (2-1) credit course. This course presents The Qur'an and science; man and religion, aqidah islamiyah, shari'ah islamiyah: Akhlaq Al Islam: Selected Capita History of Islam.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (20%)</i>  <i>Final Exam (20%)</i>  <i>Assignments (40%)</i>  <i>Class participation (10%)</i>  <i>Individual quiz (10%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (30%)</i>  <i>Pre-test or post-test (10%)</i></p>

	<i>Experiment reports (60%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Al Qur'an Al Karim and CD Al Qur'an: Holy Qur'an</i></li> <li>2. <i>Al Hadith and Al Hadith CD: Al Tis'ah Pole, Al Bayan Publisher</i></li> <li>3. <i>Kemenristekdikti. 2016. Islamic Religious Education Module for Higher Education. Jakarta: Director General of Belmawa Kemenristekdikti</i></li> <li>4. <i>Rustam, R., &amp; Haris, Z. A. 2018. Textbook of Islamic Religious Education in Higher Education. Deepublish.</i></li> <li>5. <i>Andariati, L. 2020. Hadith and History of Its Development. Diriyah: Journal of Hadith Studies, 4(2), 153-66.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Catholic Religious Education</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. F.X. Sumardja, S.H., M.Hum.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and discussion) Practicum sessions (Small group discussion, Contextual instruction and Role-play Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to represent honesty, responsibility, toughness, and discipline as a reflection of full obedience to The Almighty God (A5)</i></li> <li>• <i>Students are able to elaborate the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> </ul>
<i>Content</i>	<i>Catholic Religious Education course is a 3 (2-1) credit course. This course presents Foundations of the Catholic Faith; living in the church and in society; task and the responsibility of the Catholics; devotion.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (20%)</i>  <i>Final Exam (20%)</i>  <i>Assignments (40%)</i>  <i>Class participation (10%)</i>  <i>Individual quiz (10%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (30%)</i>  <i>Pre-test or post-test (10%)</i></p>

	<i>Experiment reports (60%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. GR Grace, SJ O'Keefe. 2007. <i>International handbook of Catholic education</i>. Springer</li> <li>2. TL Humphries Jr - 2019 . <i>The Oxford Handbook of Catholic Theology</i> books.google.com</li> <li>3. JT Bretzke - 2013 - <i>Handbook of Roman Catholic moral terms</i>. books.google.com</li> <li>4. L Sheehan. 1990. <i>Building Better Boards : A Handbook for Board Members in Catholic Education</i>. ERIC.</li> <li>5. M Prince. 1992. <i>Mandatory Celibacy in the Catholic Church: A Handbook for the Laity</i> . books.google.com.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Christian Religious Education</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Tumiar Katarina Manik</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and discussion) Practicum sessions (Small group discussion, Contextual instruction and Role-play Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to represent honesty, responsibility, toughness, and discipline as a reflection of full obedience to The Almighty God (A5)</i></li> <li>• <i>Students are able to elaborate the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> </ul>
<i>Content</i>	<i>Christian Religious Education course is a 3 (2-1) credit course. This course presents Foundations of the Christian Faith: faith and science; the responsibility of Christians in the plural community; Christian moral and ethical conducts.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (40%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i>  <i>Performance in practicum (100%):</i> <i>Practicum exam (30%)</i> <i>Pre-test or post-test (10%)</i>



	<i>Experiment reports (60%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>The Bible John Stott. 2003. Why I am a Christian Books series. InterVarsity Press translated to Indonesian by Perkantas Press.</i></li> <li>2. <i>John Stott. 2016. Becoming a Christian Books series. InterVarsity Press translated to Indonesian by Perkantas Press.</i></li> <li>3. <i>John Stott. 2012. The Cross of Christ. InterVarsity Press</i></li> <li>4. <i>Haskarlianus Pasang. 2009. Menyelamatkan lingkungan di bumi Indonesia pemahaman dan kepedulian Kristen. Yayasan Obor Mitra</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Hindu Religious Education</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Prof. Dr. Ir. Gede Swibawa, M.S</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and discussion) Practicum sessions (Small group discussion, Contextual instruction and Role-play Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to represent honesty, responsibility, toughness, and discipline as a reflection of full obedience to The Almighty God (A5)</i></li> <li>• <i>Students are able to elaborate the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> </ul>
<i>Content</i>	<i>Hindu Religious Education course is a 3 (2-1) credit course. This course presents The basic framework of Hinduism; tatwa, susila, yadnya: The basis of Hindu faith, the basis and purpose of Hindu life.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (20%)</i>  <i>Final Exam (20%)</i>  <i>Assignments (40%)</i>  <i>Class participation (10%)</i>  <i>Individual quiz (10%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (30%)</i>  <i>Pre-test or post-test (10%)</i></p>

	<i>Experiment reports (60%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>The Vedas</i></li> <li>2. <i>Direktorat Jenderal dan Pembelajaran dan Kemahasiswaan Kementerian Riset, Teknologi dan Pendidikan Tinggi RI. 2016. Pendidikan Agama Hindu. Jakarta.</i></li> <li>3. <i>Dana, I N. 2008. Kerukunan dan Perdamaian dalam Kontek Kehidupan Bernegara Kesatuan.Parisaha Hindu Dharma Indonesia. Jakarta.</i></li> <li>4. <i>Kajeng, I N. 2003. Sarasamuscaya. Paramita. Surabaya</i></li> <li>5. <i>Pudja, G. 2003. Bhagavad Gita: Terjemahan-Penjelasan-Kosakata. Pustaka Mitra Jaya. Jakarta</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Buddhist Religious Education</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Tri Roso</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and discussion) Practicum sessions (Small group discussion, Contextual instruction and Role-play Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to represent honesty, responsibility, toughness, and discipline as a reflection of full obedience to The Almighty God (A5)</i></li> <li>• <i>Students are able to elaborate the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> </ul>
<i>Content</i>	<i>Buddhist Education course is a 3 (2-1) credit course. This course presents Buddhist philosophy, Buddhist way of life, Buddhism and repertoire knowledge; the relevance of Buddhism to modern times and era development.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (20%)</i>  <i>Final Exam (20%)</i>  <i>Assignments (40%)</i>  <i>Class participation (10%)</i>  <i>Individual quiz (10%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (30%)</i>  <i>Pre-test or post-test (10%)</i></p>

	<i>Experiment reports (60%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>D Tirch, LR Silberstein, RL Kolts. 2015. Buddhist psychology and cognitive-behavioral therapy: A clinician's guide. books.google.com.</i></li> <li>2. <i>P Harvey . 2000 . An introduction to Buddhist ethics: Foundations, values and issues. books.google.com.</i></li> <li>3. <i>AK Warder. 2004 . Indian buddhism. books.google.com</i></li> <li>4. <i>S Heine, DS Wright. 2000. The Koan: texts and contexts in Zen Buddhism. books.google.com.</i></li> <li>5. <i>G Watson, S Batchelor, G Claxton. 2000. The psychology of awakening: Buddhism, science, and our day-to-day lives. Weiser Books.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Pancasila Education</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Ktut Murniati, M.T.A.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures ( Blended learning, Discussion and Case method learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to show honesty, responsibility, toughness, and discipline as a reflection of full obedience (A5)</i></li> <li>• <i>Students are able to show social concern in improving the quality of social life (A5).</i></li> </ul>
<i>Content</i>	<i>This course examines the Introduction to Pancasila Education, the History of Pancasila, Pancasila as the Foundation of the Republic of Indonesia, Pancasila as the View of the Nation, Pancasila as the Indonesian Nation's Philosophy of Life, Pancasila as the Basic Value of Science Development, Garuda Pancasila as the State Symbol of the Republic of Indonesia, and Implementation of Pancasila in daily life.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, discussion, paper, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%)</i> <i>Final Exam (25%)</i> <i>Assignments (20%)</i> <i>Individual quiz (10%)</i> <i>Activity Participation (10%)</i>

Reading list	<ol style="list-style-type: none"> <li>1. Abdulgani, Roeslan. 1979. <i>Development of Pancasila in Indonesia</i>. Jakarta: Idayu Foundation.</li> <li>2. Atmoredjo, Sudjito bin. 2009. "State of Law in Pancasila Perspective".</li> <li>3. Aiken, H. D. 2009. <i>Age of Ideology</i>, Yogyakarta: Relief Publisher.</li> <li>4. Ali, As'ad Said. 2009. <i>Pancasila State the Way of National Benefit</i>. Jakarta: LP3ES Library.</li> <li>5. Anggoro, Yoga. 2010. <i>Human Rights Law</i>. South Jakarta: Visipedia.</li> <li>6. Asdi, Endang Daruni. 2003. <i>Whole Man in Pancasila Morals</i>. Jogjakarta: The King's Library.</li> <li>7. Bahar, Saafroedin, Ananda B. Kusuma, and Nannie Hudawati (ed.). 1995, <i>Minutes of the Meeting of the Investigating Agency for Preparatory Efforts for Independence (BPUPKI), Preparatory Committee for Indonesian Independence (PPKI) 28 May 1945 --22 August 1945, State Secretariat of the Republic of Indonesia</i>, Jakarta.</li> <li>8. <i>TEACHING BOOK OF GENERAL COMPULSORY COURSES OF PANCASILA EDUCATION</i> Directorate General of Learning and Student Affairs Ministry of Research, Technology and Higher Education of the Republic of Indonesia 2016</li> <li>9. Bahm, Archie. 1984. <i>Axiology: The Science of Values</i>. New Mexico: Albuquerque.</li> <li>10. _____. 1995. <i>Epistemology; Theory of Knowledge</i>. New Mexico: Albuquerque.</li> <li>11. Baker, Anton. 1992. <i>Ontology: General Metaphysics</i>. Yogyakarta: Kanisius.</li> <li>12. Bakry, Noor Ms. 2010. <i>Pancasila Education</i>. Student Libraries: Yogyakarta.</li> <li>13. Branson, M. S. 1998. <i>The Role of Civic Education, A Forthcoming education policy Task Force Position</i>. Paper from the Communitarian Network.</li> <li>14. Budiarto, Miriam. 2008. <i>Fundamentals of Political Science_ (Revised Edition)</i>. Jakarta: PT. Main Library Gramedia</li> <li>15. Budiono Kusumohamidjojo, 2000, <i>The Diversity of Indonesian Society</i>. Grasindo: Jakarta.</li> <li>16. Dailami, 2014: <i>Pancasila Rajawali values: Jakarta</i></li> <li>17. Darmodiharjo, Darji, dkk. 1991. <i>Santiaji Pancasila: A Philosophical, Historical and Constitutional Juridical Review</i>. Surabaya: National Business.</li> <li>18. Darmodihardjo, D. 1978. <i>Brief Orientation of Pancasila</i>. Jakarta: PT. Gita Karya.</li> <li>19. Delors, J. et al. 1996. <i>Learning the Treasure Within, Education for the 21st Century</i>. New York: UNESCO.</li> <li>20. Ohmae, Kenichi. 1995. <i>The End of the Nation-State: the Rise of Regional Economies</i>. New York: Simon and Schuster Inc.</li> <li>21. Diponolo. G.S. 1975. <i>State Science Volume 1</i>. Jakarta: PN Balai Pustaka.</li> <li>22. Magee, Bryan. 2008. <i>The Story of Philosophy</i>. Translators: Marcus Widodo, Hardono Hadi. Yogyakarta: Kanisius.</li> <li>23. Mahfud, M D. 2009. "Pancasila the Work and Common Property", Paper at the Pancasila Congress at UGM on 30 May 2009.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>English Language</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Prof. Dr. Ir. Rosma Hasibuan, M.Sc.</i>
<i>Language</i>	<i>English and Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and discussion) Practicum sessions (Small group discussion, Contextual instruction and Role-play Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to show honesty, responsibility, toughness, and discipline as a reflection of piety to the God Almighty (A5)</i></li> <li>• <i>Students are able to demonstrate communication skills orally and in writing (Indonesian &amp; English) in the field of agribusiness (C2)</i></li> <li>• <i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</i></li> </ul>
<i>Content</i>	<i>The General English course is a 3 (2-1) credit course. This course contains studies on: English for Intermediate-Advance Course: Review in Tenses, Conditional, Active-passive, noun clause. Adjective clause, adverbial clause, gerund, infinitive, conjunction, relative clause, functional skills, reading comprehension.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (40%)</i> <i>Individual quiz (10%)</i> <i>Class Participation (10%)</i>



	<i>Performance in practicum (100%):</i> <i>Practicum exam (30%)</i> <i>Pre-test or post-test (10%)</i> <i>Experiment reports (60%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Module of General English. 2022. T. Sinaga. Collaboration Program of The University of Lampung and The Indonesian International Education Foundation 2005.</i></li> <li>2. <i>English Sentence Structure. 2000. R. Crown.</i></li> <li>3. <i>Fundamental of Soil Science. 1991. H.D. Foth, 8th Ed. Wiley.</i></li> <li>4. <i>The Handbook of English for Specific Purposes. 2014. Paltridge B, S Starfield. John Wiley &amp; Sons.</i></li> <li>5. <i>Handbook of Research on Foreign Language Education in the Digital Age. Wang, C and L Winstead. IGI Global.pdf</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Biology</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>st</sup></i>
<i>Person responsible for the module</i>	<i>Fitri Yelli, S.P., M.Si., Ph.D</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and discussion) Practicum sessions (Small group discussion, Contextual instruction)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>- <i>Students are able to demonstrate awareness of the importance of running an agricultural business based on science, technology and the environment (A3)</i></li> <li>- <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (C2)</i></li> </ul>
<i>Content</i>	<i>The Agricultural Biology (I) is a 3 (2-1) credit course. This course contains studies on: Basic theory and concept of life, cells as smallest unit of life, cells function, tissue and organ of plants and animals; Introductions to genetics and evolution; Ecology and organism diversity; Introductions to agriculture ecosystem (biotics and abiotics); Concept of plant pests and disease and also their control especially by implementing integrated pest management (IPM).</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (40%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i>

	<p><i>Performance in practicum (100%):</i>  <i>Practicum exam (30%)</i>  <i>Pre-test or post-test (10%)</i>  <i>Experiment reports (60%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Campbell, N.A. &amp; J.B. Reece. 2008. <i>Biologi Jilid 1, 2 dan 3. Edisi Kedelapan. Penerbit Erlangga. Jakarta.</i></li> <li>2. Horn, DJ 1988. <i>Ecological Approach to Pest Management. The Guilford Press, New York. 285 645 pp.</i></li> <li>3. Glenn, B. 2008. <i>The Oxford Handbook of Philosophy of Biology. Oxford: Oxford University Press.</i></li> <li>4. Roberts, K (editor). 2008. <i>Handbook of Plant Science.</i></li> <li>5. C. Barry Osmond , George M. Hidy , Louis F. Pitelka. 1990. <i>Plant Biology of the Basin and Range.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Introduction to Economics</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>st</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dwi Haryono, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<ul style="list-style-type: none"> <li>• <i>No prerequisite course</i></li> </ul>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (C2)</i></li> <li>• <i>Students are able to examine the application of the concept of sustainable development, institutions, and policies in the development of agribusiness in a comprehensive manner (C4)</i></li> <li>• <i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</i></li> </ul>
<i>Content</i>	<i>The scope of introductions to economics course is the concept of scarcity, choice, opportunity cost, types of economic activity, market economy system, differences between micro and macroeconomics, theory of household consumption behaviour with various approaches, theory of demand, supply and price, concept of elasticity and method of calculation, theory of production and costs, theory of perfectly competitive market structure and monopoly market and market equilibrium. Next is about the concept of aggregate demand and supply, the concept of aggregate product and national income and the factors that determine it, changes in national income, and the fiscal and monetary policies.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>

<p><i>Study and examination requirements</i></p>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (12,5%)</i>  <i>Final Exam (12,5%)</i>  <i>Individual quiz (12,5%)</i>  <i>Assignments (12,5%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum Mid exam (25%)</i>  <i>Practicum Final exam (25%)</i>  <i>Pre-test or post-test (20%)</i>  <i>Class participation (15%)</i>  <i>Assignments (15%)</i></p>
<p><i>Reading List</i></p>	<ol style="list-style-type: none"> <li><i>1. Lipsey, Stainer, and Purvis. 1988. Economics. 8 th Edition. Harper and Row Publisher. New York.</i></li> <li><i>2. Dobson, S and Palfreman S. 1999. An Introduction to Economics. Oxford Univ Pr. England</i></li> <li><i>3. Lewis, TR. 2009. Introduction to Economic Analysis. Saylor Foundation. Washington DC</i></li> <li><i>4. Berkeley Hill. 2021. An Introduction to Economics: Concepts for Students of Agriculture and the Rural Sector 5th Edition. CABI. London</i></li> <li><i>5. Prentice, A. 2020. Economics for Beginners. Usborne Publishing. London</i></li> <li><i>6. Azzaino, Z. 1984. PIE. Jurusan Sosek IPB. Bogor.</i></li> <li><i>7. Tim Dosen PIE IPB, 1987. Bahan Kuliah PIE Bagian Ekonomi Mikro. IPB. Bogor.</i></li> <li><i>8. Tim Dosen PIE IPB, 1987. Bahan Kuliah PIE Bagian Ekonomi Makro. IPB. Bogor.</i></li> <li><i>9. Tim Dosen PIE Unila. 2005. Bank Soal dan Penyelesaiannya. Sosek Unila. Bandar Lampung.</i></li> <li><i>10. Tim Dosen PIE Unila. 2008. Buku Panduan Belajar PIE. Sosek Unila. Bandar Lampung</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Introduction to Agribusiness</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>st</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dyah Aring Hepiana Lestari, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, Case method and discussion learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to show professional behavior in agribusiness as a form of love for the homeland and the nation (A5)</i></li> <li>• <i>Students are able to integrate the idea of agribusiness (production facilities, farming, processing, marketing, and supporting) in agricultural business creatively, innovatively, and professionally (P4)</i></li> <li>• <i>Students are able to elaborate agribusiness theory, management, Socio-Economics Agricultural (micro, macro, and development), entrepreneurship, business communication and comprehensive knowledge of technical aspects of agriculture from upstream to downstream (C2)</i></li> </ul>
<i>Content</i>	<i>This course provides students with an understanding of agribusiness. The discussion starts from the evolution of agriculture to agribusiness, the notion of agribusiness which consists of five subsystems, namely the subsystem for the procurement of production facilities and equipment agriculture, farming subsystem, processing subsystem, marketing subsystem, and supporting services subsystem. Furthermore, the development of agribusiness systems and businesses through backward and forward linkages is discussed (forward linkage), as well as various agribusiness companies.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<i>1. Ricketts, C. and Nolan Omri Rawlins. 2001. Introduction to Agribusiness. Thomson Learning.</i>

	<ol style="list-style-type: none"> <li>2. Talathi, J.M., V.G. Naik, V.N. Jalgaonkar. 2019. <i>Introduction to Agricultural Economics and Agribusiness Management</i>. Ane Books Pvt. Ltd.</li> <li>3. Saragih, B. 2010. <i>Agribisnis : Paradigma Baru Pembangunan Ekonomi Berbasis Pertanian</i>. IPB Press. Bogor.</li> <li>4. Downey, W.D. and S.P. Erickson. 1989. <i>Manajemen Agribisnis : Edisi Kedua</i>. Penerbit Erlangga. Jakarta.</li> <li>5. Firdaus, M. 2009. <i>Manajemen Agribisnis</i>. Penerbit BUmi Aksara. Jakarta.</li> <li>6. Kismono, G. 2011. <i>Pengantar Bisnis</i>. BPFE. Yogyakarta.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Mathematical Economics</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>st</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dwi Haryono, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to demonstrate theory in the field of agribusiness that is relevant in simulating agribusiness practices and agricultural development (C3)</i></li> <li>• <i>Students are able able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</i></li> </ul>
<i>Content</i>	<i>The scope of the Mathematical Economics course is the definition of mathematical economics, the application of line and series, sets and number systems, systems of equations, and inequalities, linear functions and functions and nonlinear functions, limits and derivatives, differential calculus and matrix algebra, and mathematical applications in economy.</i>
<i>Examination forms</i>	<i>essay, multiple choice.</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (18%)</i> <i>Final Exam (18%)</i> <i>Individual quiz (18%)</i> <i>Assignments (21%)</i> <i>Practicum (25%)</i>  <i>Performance in practicum (100%):</i> <i>Practicum mid exam (25%)</i>



	<i>Practicum final exam (25%)</i> <i>Pre-test or post-test (20%)</i> <i>Class participation (15%)</i> <i>Assignments (15%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Chiang A.C, 1984. <i>Fundamental Methods of Mathematical Economics. Third Edition, McGraw-Hill Book Inc. New York</i></li> <li>2. Rosser and Lis. 2016. <i>Basic Mathematics for Economists; 3rd Edition. Routledge. England</i></li> <li>3. Hands, D.W. 2003. <i>Introductory Mathematical Economics 2nd Edition. Oxford University Press. England</i></li> <li>4. Simon, C.P and Blume, L.E. 1994. <i>Mathematics for Economists. W. W. Norton &amp; Company. New York.</i></li> <li>5. Takayama, Akira. 1985. <i>Mathematical Economics 2nd Edition. Cambridge University Press. England</i></li> <li>6. Johannes, H dan Handoko, BS. 1994. <i>Pengantar Matematika untuk Ekonomi. Edisi keempat belas. LP3ES. Jakarta</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Introduction to Management</i>
<i>Semester(s) in which the module is taught</i>	<i>1<sup>st</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Wuryaningsih Dwi Sayekti, M.S</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion, Case Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to representing honesty, responsibility, toughness, and discipline as a reflection from pioucity to The One Almighty God (A5)</i></li> <li>• <i>Students are able to implementing agribusiness theory, management, Socio-Economics Agricultural (micro, macro, and development), entrepreneurship, business communication and comprehensive knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> <li>• <i>Students are able to elaborate agribusiness theory, management, Socio-Economics Agricultural (micro, macro, and development), entrepreneurship, business communication and comprehensive knowledge of technical aspects of agriculture from upstream to downstream (C2)</i></li> </ul>
<i>Content</i>	<i>Discuss about definition, management history and development, planning, organising, coordinating, guidelines (communication, motivation, leadership), controlling, and information technology in management</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (17,5%)</i> <i>Final Exam (17,5%)</i> <i>Assignments (30%)</i> <i>Individual quiz (15,0%)</i> <i>Individual activity (20,0%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li><i>Hasibuan, MSP. 2010. Basic Manajemen Dasar, Pengertian dan Masalah. Earth Script, Jakarta.</i></li> </ol>

	<ol style="list-style-type: none"> <li>2. Terry, GR. 1978. <i>Principles of Management</i>, 7th Ed. Richard D. Irwin Inc. Homewood Illinois.</li> <li>3. Kreitner, R. and Kinicki, A. 2010. <i>Organizational Behavior</i>. McGraw-Hill. New York.</li> <li>4. Stoner, J. A. F., 1986. <i>Manajemen Edisi ke 3</i>. CV. Intermedia, Jakarta. S</li> <li>5. Sule, E.T. and Saefullah, K. 2017. <i>Pengantar Manajemen</i>. Cetakan ke 10. Kencana. Jakarta.</li> <li>6. Quinn S. 2010. <i>Management Basics</i>. 2010 Susan Quinn &amp; Ventus Publishing Aps. Bookboon.com.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Rural Sociology</i>
<i>Semester(s) in which the module is taught</i>	<i>2<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Ir. Indah Numayasari, M.Sc.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Problem Based Learning) Practicum sessions (Small Group Discussion, Problem Based Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to demonstrate social concern in improving the quality of social life (A5)</i></li> <li>• <i>Students are able to use human literacy (ethics, communication, negotiation, leadership, innovation and creativity) in teamwork (C3)</i></li> <li>• <i>Students are able to simulate making the right decisions in the field of agribusiness (P5)</i></li> </ul>
<i>Content</i>	<i>Rural Sociology course is a 3 (2-1) credit course. This course presents Institutional patterns, social processes, institutions society, social groups, status systems and social stratification, patterns of relations between ethnic groups, communication patterns, power and authority, family and the role of women, forms of society and patterns of ecological adaptation, social change, between applied sociology and social thought.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (10%)</i> <i>Assignments (10%)</i> <i>Activity participation (20%)</i> <i>Project (30%)</i>

	<i>Performance in practicum (100%):</i> <i>Practicum exam (30%)</i> <i>Pre-test or post-test (10%)</i> <i>Assignments (60%)</i>
Reading list	<ol style="list-style-type: none"> <li>1. Carolan, M. 2016. <i>The Sociology of Food and Agriculture</i>. Taylor &amp; Francis.</li> <li>2. Ibrahim, J T. 2019. <i>Sosiologi Pedesaan</i>. UMM Press</li> <li>3. Lichtfouse, E. 2009. <i>Sociology, Organic Farming, Climate Change and Soil Science</i>. Springer Netherlands.</li> <li>4. Sajogyo. 2002. <i>Sosiologi Pedesaan</i>. Penerbit Gadjah Mada University Press. Yogyakarta.</li> <li>5. Smith, K., &amp; Lawrence, G. (2022). Agri-food scholarship: Past, present and future contributions to Australasian rural sociology. <i>Journal of Sociology</i>, 58(2). <a href="https://doi.org/10.1177/14407833211009616">https://doi.org/10.1177/14407833211009616</a></li> <li>6. Tanaka, K. (2020). Justice and Tyranny: Bringing "Rural" Back into the Sociology of Food and Agriculture. <i>Rural Sociology</i>, 85(1). <a href="https://doi.org/10.1111/ruso.12317">https://doi.org/10.1111/ruso.12317</a></li> <li>7. Wallace C. Olsen, Margot A. Bellamy, Bernard Freeland Stanton. 1991. <i>Agricultural Economics and Rural Sociology: Contemporary Core Literature</i>. Cornell University Press</li> <li>8. Yayuk Yuliati dan Mangku Poernomo, 2003. <i>Sosiologi Pedesaan</i>. Penerbit Laper Pustaka Utama. Yogyakarta.</li> </ol>

### ***The List of Courses in the Semester 2***

<b>Semester 2</b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	Indonesian Language Education	UNI620106	2-0	2	3,18
2	Citizenship Education	UNI620107	2-0	2	3,18
3	Physics Education	FPU620115	2-0	2	3,18
4	Introduction to Chemical	FPU620116	2-0	2	3,18
5	Introduction to Agriculture	FPU620106	2-0	2	3,18
6	Basic Statistics	FPU620202	2-1	3	4,77
7	Agricultural Field Training	FPU620111	0-1	1	1,59
8	English for Agribusiness	AGB620105	2-0	2	3,18
9	Micro Economics	AGB620106	2-1	3	4,77
10	Agribusiness Information Technology	AGB620107	2-1	3	4,77
11	Nutrition and Food	AGB620203	2-0	2	3,18
<b>Total</b>			<b>20-4</b>	<b>24</b>	<b>38,16</b>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Indonesian Language Education</i>
<i>Semester(s) in which the module is taught</i>	2 <sup>st</sup>
<i>Person responsible for the module</i>	<i>Prof. Dr. Ir. Rosma Hasibuan, M.Sc</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based learning, and discussion)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CREDIT or 3.2 CP (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) ) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 CP</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>- students are able to demonstrate communication skills orally and in writing (Indonesian &amp; English) in the field of agribusiness (C2)</li> <li>- students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</li> </ul>
<i>Content</i>	<i>The Indonesian Language course is a 2 (2-0) credit course. This course presents Indonesian spelling, grammar, words: basic and invented words, sentences; single sentences and compound sentences, paragraphs, manuscripts, and scientific manuscripts.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (100%)</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (40%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Alvi, Hasan. 2003. <i>Indonesian Standard Grammar</i>. Jakarta: Balai Pustaka.</li> <li>2. Fuad, et al. 2006. <i>Use of Scientific Indonesian</i>. Yogyakarta: Ardana Media.</li> <li>3. Lamuddin, Finoza. 2004. <i>Indonesian Composition</i>. JAKARTA: Diction Insane Mulia.</li> <li>4. Language Center . 2000. <i>Improved Indonesian General Guidelines</i>.</li> </ol>

	5. <i>Hariwijaya. 2006. Technical Guidelines for Writing Scientific Papers. Yogyakarta: Library Image.</i>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Citizenship Education</i>
<i>Semester(s) in which the module is taught</i>	<i>2<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Ktut Murniati, M.T.A.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to show honesty, responsibility, toughness, and discipline as a reflection of piety to God Almighty (A5)</i></li> <li>• <i>Students are able to show a professional attitude in the field of agribusiness as a form of love for the motherland and nation (A5).</i></li> </ul>
<i>Content</i>	<i>This civics education course is designed in line with academic thinking to provide an understanding in order to know and be able to properly implement the nature of citizenship education, national identity, national integration, the Constitution in Indonesia, obligations and rights of the state and citizens, dynamics of democracy in Indonesia, law enforcement in Indonesia, insight into the archipelago, national resilience, regional autonomy, good governance and civil society.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, discussion, paper, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (30%) Final Exam (30%) Assignments (20%) Individual quiz (10%) Activity Participation (10%)</i>

Reading list	<ol style="list-style-type: none"> <li>1. Schwab, Klaus. 2016. <i>The Fourth Industrial Revolution</i>. New York.</li> <li>2. Bahm, Archie. 1984. <i>Axiology: The Science of Values</i>. New Mexico: Albuquerque.</li> <li>3. _____. 1995. <i>Epistemology; Theory of Knowledge</i>. New Mexico: Albuquerque.</li> <li>4. Delors, J. et al. 1996. <i>Learning the Treasure Within, Education for the 21th Century</i>. New York: UNESCO.</li> <li>5. Ohmae, Kenichi. 1995. <i>The End of the Nation-State: the Rise of Regional Economies</i>. New York: Simon and Schuster Inc.</li> <li>6. Amin, Zainul Ittihad. 2009. <i>Pendidikan Kewarganegaraan</i>. Jakarta: Penerbit Universitas Terbuka.</li> <li>7. Anggoro,Yogo. 2010. <i>Undang-Undang HAM</i>.Jakarta Selatan: Visipedia.</li> <li>8. Arianto Mahagyarso dkk. 2002. <i>Good Local Governance; Instrumen Instrumen Pendukung Penerapan Tata Pemerintah yang Baik</i>. Penerbit : BUILD – Breakthrough Urban Initiatives For Local Development – Jakarta</li> <li>9. Direktorat Jenderal Pembelajaran dan Kemahasiswaan Riset Teknologi dan Perguruan Tinggi. 2016. <i>Buku Ajar Mata Kuliah Wajib Umum Pancasila</i>. Diakses Pada Link: <a href="http://belmawa.ristekdikti.go.id/2016/12/09/surat-edaran-bahan-ajar-mata-kuliah-wajib-umum">http://belmawa.ristekdikti.go.id/2016/12/09/surat-edaran-bahan-ajar-mata-kuliah-wajib-umum</a>.</li> <li>10. Direktorat Jenderal Pembelajaran dan Kemahasiswaan Riset Teknologi dan Perguruan Tinggi. 2016. <i>Buku Ajar Mata Kuliah Wajib Umum Pancasila</i>. Diakses Pada Link: <a href="http://belmawa.ristekdikti.go.id/2016/12/09/surat-edaran-bahan-ajar-mata-kuliah-wajib-umum">http://belmawa.ristekdikti.go.id/2016/12/09/surat-edaran-bahan-ajar-mata-kuliah-wajib-umum</a>.</li> <li>11. Elly M. Setiardi. 2007. <i>Pendidikan Pancasila untuk Perguruan Tinggi</i>. Penerbit : PT. Gramedia Pustaka Utama Jakarta</li> <li>12. Malian, S. dan S. Marjuki (editor). 2003. <i>Pendidikan Kewarganegaraan dan Hak Asasi Manusia</i>. UII Press: Yogyakarta.</li> <li>13. Soegito, A T. 2005. <i>Hak dan Kewajiban Warga Negara (Makalah Suscados PKn Desember 2005 di Jakarta</i>. Jakarta: Dikti</li> <li>14. Soemiarno, S. 2005. <i>Hak Asasi Manusia</i>. Makalah yang disampaikan dalam Kursus Calon Dosen Kewarganegaraan Angkatan I , 12 – 23 Desember 2005. Dirjen Dikti Depdiknas, Jakarta.</li> <li>15. Srijanti dkk. 2009. <i>Pendidikan Kewarganegaraan Untuk Mahasiswa</i>. Graha Ilmu. Yogyakarta.</li> <li>16. Sumarsono dkk.2008. <i>Pendidikan Kewarganegaraan</i>. Penerbit : PT. Gramedia Pustaka Utama Jakarta</li> <li>17. Syahruri, Taufiqurrohman. 2004. <i>Hukum Konstitusi</i>. Ghalia Indonesia. Jakarta.</li> <li>18. Tim Nasional Dosen Pendidikan Kewarganegaraan. 2010. <i>Pendidikan Kewarganegaraan Paradigma Terbaru untuk Mahasiswa</i>. ALFABETA. Purwokerto</li> <li>19. Trianto dan Titik Triwulan Tutik.2007. <i>Falsafah Negara dan Pendidikan Kewarganegaraan</i>. Penerbit : Prestasi Pustaka Publisher</li> <li>20. Winarno. 2006. <i>Pendidikan Kewarganegaraan</i>. Jakarta: Bumi Aksara.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Physics Education</i>
<i>Semester(s) in which the module is taught</i>	<i>2<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Afandi, MP</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to demonstrate awareness of the importance of running an agricultural business based on science, technology and the environment (A3)</i></li> <li>• <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (C2)</i></li> </ul>
<i>Content</i>	<i>The Basic Physics course is a 2 (2-0) credit course. This course contains studies on: Basic units and vectors; Motion: straight and circular; Force and mechanics: work, power energy, momentum, thermodynamics, fluid mechanics; electrodynamics, and electrostatic, electromagnetic, optics, and core physics</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (100%)</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (40%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li><i>Walker J, Halliday D, Resnick R. 2014. Fundamentals of physics. 10th edition. 2014. Wiley.</i></li> </ol>

	<ol style="list-style-type: none"> <li>2. Sutarno. 2013. <i>Fisika untuk Universitas</i>. Penerbit Graha Ilmu.</li> <li>3. Rosyid, M. Farchani, Eko Firmansyah, Yusuf Dyan Prabowo. 2015. <i>Fisika Dasar</i>. Penerbit Periuk. yogyakarta</li> <li>4. Jati, B. M. E. 2018. <i>Pengantar fisika 1</i>. UGM PRESS.</li> <li>5. Frederick J Bueche. 1992. <i>Fisika 8th edition</i>. Erlangga</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Introduction to Chemical</i>
<i>Semester(s) in which the module is taught</i>	2 <sup>st</sup>
<i>Person responsible for the module</i>	Prof. Dr. Dwi Hapsoro, M.Sc.
<i>Language</i>	Indonesian language
<i>Relation to curriculum</i>	Compulsory
<i>Teaching methods</i>	Lectures (Blended Learning, Discussion and case method)
<i>Workload (incl. contact hours, self-study hours)</i>	Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes
<i>Credit points</i>	2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>Students are able to demonstrate awareness of the importance of running an agricultural business based on science, technology and the environment</li> <li>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream</li> </ul>
<i>Content</i>	This course presents an understanding of international units, molecules/objects, changes in molecules/objects; properties of atoms/elements in a periodic system, chemical bonds, compounds, and the structure of atoms/elements in molecules/objects; reaction equation equilibrium, solubility, and precipitation reactions; reaction kinetics (speed reactions, catalysts) and molecular movement, laws of thermodynamics; system chemistry of water, acids, bases, salts and buffer solutions; Electrical chemistry (oxidation-reduction); Basic organic chemistry (chain long-chain carbons and functional groups of organic compounds); nitrogen compounds, and lipids..
<i>Examination forms</i>	oral presentation, essay
<i>Study and examination requirements</i>	Participants are evaluated based on their performance in class (lectures) (100%).  Performance in theory (100%): Mid Exam (20%) Final Exam (20%)

	<i>Assignments (40%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Chang, Raymond. 2010. <i>Chemistry</i>. 10th ed. McGraw-Hill Companies, Inc., 1221 Avenue of the Americas, New York, NY 10020. 1170p.</li> <li>2. Chang, Raymond. 2010. <i>Chemistry. Student Solution Manual</i>. 10th ed. McGraw-Hill Companies, Inc., 1221 Avenue of the Americas, New York, NY 10020. 698p.</li> <li>3. Petrucci, R.H., F. G. Herring, J.D. Madura, and C. Bissonnette. 2011. <i>General Chemistry: Principles and Modern Applications</i>. Pearson Canada Inc., Toronto, Ontario. 1427p.</li> <li>4. Brown, T.L., H. E. LeMay, B.E. Bursten, C.J. Murphy, Patrick M. Woodward, Matthew W. Stoltzfus. 2018. <i>Chemistry The Central Science</i>. 14th Ed. Pearson Education Limited. Harlow CM17 9NA United Kingdom. 1252p.</li> <li>5. Topping, J.J. K.J. Denniston, and R.E Caret. 2006. <i>General, Organic, and Biochemistry</i>. Mc Graw Hill Education New York, USA. 87</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Introduction to Agricultural Sciences</i>
<i>Semester(s) in which the module is taught</i>	2 <sup>st</sup>
<i>Person responsible for the module</i>	Dr. Ir. Rusdi Evizal, M.S.
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes</i> <i>Structured learning: 14 weeks x 120 minutes</i> <i>Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS)
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to demonstrate awareness of the importance of running an agricultural business based on science, technology and the environment (A3)</i></li> <li>• <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (C2)</i></li> </ul>
<i>Content</i>	<i>Introduction to Agricultural Sciences course is a 2 (2-0) credit course. This course presents Definitions of agriculture, agricultural and environmental science, history of agriculture and business agriculture, the scope of agriculture, the role of agriculture in human life and development, - influencing factors agricultural business (soil, plants, climate, nuisance organisms, and cultivation techniques), the concept of sustainable- and insightful agriculture environment (integrated agriculture, organic farming, - and agroforestry), agricultural mechanization, harvest and post-harvest, socio-economic agriculture and agricultural development (agribusiness, extension and institutional agriculture, marketing and trade, and agricultural development modern).</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i>

	<i>Assignments (40%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Nurmala, T., A.D. Suyono, , A. Rodjak, T. Suganda, S. Natasasmita, T. Simarmata, E.H. Salim, Y. Juwariyah, T.P Sendjaja, S.N. Wiyono, dan S. Hasani.. 2012. Pengantar Ilmu Pertanian. Graha Ilmu.</i></li> <li>2. <i>Mosher, A.T. 1983. Menggerakkan dan Membangun Pertanian. CV. Yasa Guna. Jakarta.</i></li> <li>3. <i>Nasoetion, A.H. 2002. Pengantar ke Ilmu-Ilmu Pertanian. Litera Nusa, Jakarta.</i></li> <li>4. <i>Santoso, H. 2002. Bahan tentang Pengantar Ilmu Pertanian. Fakultas Pertanian Unila.</i></li> <li>5. <i>Craig C. Sheaffer, Kristine M Moncada.2012. Introduction to Agronomy: Food, Crops, and Environment.</i></li> <li>6. <i>Widoyoko, Y. 2009. Pertanian masa depan kita. Gibon Books, Jakarta.</i></li> <li>7. <i>Geertz, C. 1993. Involusi Pertanian. Yayasan Obor Indonesia Batara Karya Aksara. Jakarta.</i></li> <li>8. <i>Krisnamurthi, Bayu. 2020. Pengertian Agribisnis. Penerbit Puspa Swara. Depok.</i></li> <li>9. <i>Puspitasari, RD. 2015. Pertanian Berkelanjutan Berbasis Revolusi Industri 4.0. Jurnal layanan Masyarakat. 3(1).</i>  <a href="https://doi.org/10.20473/jilm.v3i1.2019.26-28">https://doi.org/10.20473/jilm.v3i1.2019.26-28</a> </li> </ol>



**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Basic Statistics</i>
<i>Semester(s) in which the module is taught</i>	<i>2<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. F.E Prasmatiwi, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to demonstrate theory in the field of agribusiness that is relevant in simulating agribusiness practices and agricultural development (C3);</i></li> <li>• <i>Students are able to operate data analysis software, statistics, big data and digital information in the field of agribusiness (P2).</i></li> </ul>
<i>Content</i>	<i>Basic Statistics course is a 3 (2-1) credit course. This course provides competencies for students to be able to explain the basic concepts of statistics, descriptive statistics and statistics inferential, and able to perform statistical data analysis in the field of engineering agriculture, with subjects including probability and distribution, statistics descriptive, parameter estimation, hypothesis testing, value comparison test middle, regression and correlation analysis, analysis of variance, experimental design, and the use of computer programs for statistical analysis.</i>
<i>Examination forms</i>	<i>essay, multiple choice</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (40%)</i> <i>Class participation (10%)</i>

	<p><i>Individual quiz (10%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (30%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Class participation (10%)</i>  <i>Assignments (45%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>RS. Witte. 2017. Statistics. 11<sup>th</sup> ed. Wiley Press. New York. UAS. 496 pp.</i></li> <li>2. <i>W Mendenhall and T Sincich. 2006. Statistics. 10<sup>th</sup> ed. Prentice Hall. New Jersey, USA. 935 pp.</i></li> <li>3. <i>RGD Steel and JH Torie. 1980. Principles and Procedures of Statistics: A Biometrical Approach, 2<sup>nd</sup> ed., McGraw-Hill, New York-Toronto, 633 pp.</i></li> <li>4. <i>RF Walpole. 1982. Introduction to Statistics. McMillan. New York, Collier-McMillan, London. 521 pp.</i></li> <li>5. <i>Lane MD et al. 2003. Introduction to Statistics (Online Edition). Rice University, University of Houston, Downtown Campus.</i>  <a href="https://onlinestatbook.com/Online_Statistics_Education.pdf">https://onlinestatbook.com/Online_Statistics_Education.pdf</a></li> <li>6. <i>Agarwal, B.L. 2002. Basic Statistic Seventh Edition. New Age International Publishers. India</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agricultural Field Training</i>
<i>Semester(s) in which the module is taught</i>	<i>2<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Novi Rosanti</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Internship sessions (Blended Learning, Discussion and Project based method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>field activities : 14 x 1 x 170 minutes</i>
<i>Credit points</i>	<i>1 (0-1) CP or 1.59 (ECTS)</i> <i>(14 weeks x 170 minutes) :</i> <i>60 minutes/hour</i> <i>= 39,6 hours : 25 study hours/ECTS</i> <i>= 1.59 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li><i>1. Students are able to demonstrate social concern in improving the quality of social life. A5</i></li> <li><i>2. Students are able to demonstrate communication skills orally and in writing in the field of agribusiness. C2</i></li> <li><i>3. Students are able to use human literacy (ethics, communication, negotiation, leadership, innovation and creativity) in teamwork. C3</i></li> </ol>
<i>Content</i>	<i>The scopes of the agriculture introduction practises course are the introduction of agricultural activities to students directly in the field regarding the social, cultural and economic conditions of farmer families. Students learn techniques in the field about agribusiness from up-stream to down-stream; sub-systems: production facilities, farming, processing, marketing and supporting institutions.</i>
<i>Examination forms</i>	<i>Group presentation, oral examination, report</i>
<i>Study and examination requirements</i>	<ol style="list-style-type: none"> <li><i>1. Report:</i> <ol style="list-style-type: none"> <li><i>1.1. Language</i></li> <li><i>1.2. format and systematics</i></li> <li><i>1.3. report content (relevance, originality, completeness)</i></li> </ol> </li> <li><i>2. Report presentation</i> <ol style="list-style-type: none"> <li><i>2.1. Report presentation</i></li> <li><i>2.2. systematic presentation</i></li> </ol> </li> <li><i>3. Videos/vlogs</i> <ol style="list-style-type: none"> <li><i>3.1. Image clarity and quality</i></li> <li><i>3.2. Completeness of content, supporting data, and clarity of narrative</i></li> <li><i>3.3. Creativity in presenting the video composition</i></li> </ol> </li> <li><i>4. Oral exam</i></li> </ol>

	<p>4.1. <i>Mastery of the material</i></p> <p>4.2. <i>Arguments</i></p> <p>4.3 <i>Communication ability</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Tim Pengasuh Praktik Pengenalan Pertanian. 2020. Panduan Praktik Pengenalan Pertanian Jurusan Agribisnis. Jurusan Agribisnis Fakultas Pertanian universitas Lampung</i></li> <li>2. <i>Saragih, B. 2010. Agribisnis : Paradigma Baru Pembangunan Ekonomi Berbasis Pertanian. IPB Press. Bogor.</i></li> <li>3. <i>Ricketts, C. and Nolan Omri Rawlins. 2001. Introduction to Agribusiness. Thomson Learning.</i></li> <li>4. <i>Talathi, J.M., V.G. Naik, V.N. Jalgaonkar. 2019. Introduction to Agricultural Economics and Agribusiness Management. Ane Books Pvt. Ltd.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>English for Agribusiness</i>
<i>Semester(s) in which the module is taught</i>	<i>2<sup>nd</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Zainal Abidin, M.E.S.</i>
<i>Language</i>	<i>English and Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>English Language</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to representing professionalism in agribusiness as a form of love for the motherland and the nation (A5)</i></li> <li>• <i>Students are able to communicating in verbal and written (Indonesian &amp; English) in the field of agribusiness (C2)</i></li> <li>• <i>Students are able to applying the theory and results of research in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</i></li> <li>• </li> </ul>
<i>Content</i>	<p><i>This course consists of 2 credits and it's required for 2nd semester's students. This course is about Reading, Vocabulary, Grammar, Writing, Listening, and Speaking. Every reading material (Reading) is discussed in terms of words (Vocabulary), grammar, and students are required to make a script (Writing) related to the topic, also stimulated to have a discussion (Speaking). In addition, students will listen to articles presented in audio form and re-express what they have heard. In the last three weeks students will learn about TOEFL (Test of English as a Foreign Language).</i></p> <p><i>English for Agribusiness is a subject given to agribusiness students as a deepening of the English course taken by students in the previous semester. With the rapid development of technology in the era of globalization, graduates of this department are expected to be able to compete with other graduates, especially in English proficiency. By taking this course, students are expected to be able to analyze reading (written and oral), write, and express ideas in English.</i></p>
<i>Examination forms</i>	<i>Oral presentation, essay, class participation, paper</i>

<p><i>Study and examination requirements</i></p>	<p><i>Participants are evaluated based on their performance in class (lectures)</i></p> <p><i>Mid Term Exam (20%)</i>  <i>Final Term Exam (20%)</i>  <i>Assignments (30%)</i>  <i>Individual quizzes (20%)</i>  <i>Class Participation (10%)</i></p>
<p><i>Reading list</i></p>	<ol style="list-style-type: none"> <li>1. <i>Abidin, Zainal. 2018. English for Agribusiness. Editor: Yaktiworo Indriani dan Indah Nurmayasari.</i></li> <li>2. <i>Azar, B. S. and S.A. Hagen. 2009. Understanding and Using English Grammar, Fourth Edition. Prentice Hall Regents, Englewood Cliffs, New Jersey.</i></li> <li>3. <i>Barron's How to Prepare for the TOEFL. 11th edition. Bina Aksara. 2005. Jakarta.</i></li> <li>4. <i>King, C. and N. Stanley. 1989. Building Skills for the TOEFL. Nelson, Binarupa Aksara, Jakarta.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Micro Economics</i>
<i>Semester(s) in which the module is taught</i>	<i>2<sup>nd</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir.Dwi Haryono, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to understanding basic theory of micro economics</i></li> <li>• <i>Students have sufficient provisions to support the following theories: production economics, trade system, farming, international trade, agricultural development, and others.</i></li> <li>• <i>Students are able to use the theory of microeconomics as a basis of decision making in economic activity.</i></li> </ul>
<i>Content</i>	<i>This course gave students the ability to use economic theory as a basis of decision making in economic activity. This course is about the basis of consumption theory, demand theory, cost and production theory, market theory, and the welfare economy in the face of the current era of globalization.</i>
<i>Examination forms</i>	<i>Discussion, essay, multiple choice, paper, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (15%)</i> <i>Assignments (5%)</i> <i>Activity participation (30%)</i> <i>Project (20%)</i>  <i>Performance in practicum (100%):</i> <i>Mid practicum exam (15%)</i> <i>Final practicum exam (15%)</i>

	<i>Pre-test or post-test (15%)</i> <i>Class participation (10%)</i> <i>Assignments (45%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Pindyck, Rubinfeld. 2010. Microeconomics. Pearson, 7th ed.</i></li> <li>2. <i>Frank, Bernke. 2009. Principles of Microeconomics. McGraw-Hill 4th ed.</i></li> <li>3. <i>Rinse, R.A. 1984. Microeconomic Theory. Translated by D. Wahid. Erlangga. Jakarta.</i></li> <li>4. <i>Ferguson, C.E. 1983. Microeconomic Theory. Books I and II. Translated by Winardi. Tarsito. Bandung.</i></li> <li>5. <i>Das S.P. 2007. Microeconomics for Business. SAGE Publications.</i></li> <li>6. <i>Hall, Lieberman. 2010. Microeconomics: Principles and Applications. South Western Cengage-Learning, 5th ed.</i></li> <li>7. <i>McConnell C.R, Brue S.L, Flynn S.M. 2012. Microeconomics : Principles, Problems and Policies. McGraw Hill, 19th ed.</i></li> </ol>



**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agribusiness Information Technology</i>
<i>Semester(s) in which the module is taught</i>	<i>3<sup>rd</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. R. Hanung Ismono, M.P.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning, ) Practicum sessions (Project based learning, Simulation learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to implementing agribusiness theory, management, Socio-Economics Agricultural (micro, macro, and development), entrepreneurship, business communication and comprehensive knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> <li>• <i>Students are able to elaborate agribusiness theory, management, Socio-Economics Agricultural (micro, macro, and development), entrepreneurship, business communication and comprehensive knowledge of technical aspects of agriculture from upstream to downstream (C2)</i></li> </ul>
<i>Content</i>	<i>This course is required for agribusiness students. This course provides technology information revolution industri 4.0 in agribusiness, Internet of Things (IoT), Big Data, and Artificial Intelligence (AI), and Smart Farming. After passing this course, one is expected to know the various uses of IT (internet of things, big data, and artificial intelligence) for agribusiness development and be able to use general knowledge in the field of Information Technology and communication (ITC) to support businesses in agriculture or agribusiness.</i>
<i>Examination forms</i>	<i>Oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%): Mid Exam (15%) Final Exam (15%)</i>

	<p> <i>Individual quiz (10%)</i>  <i>Assignments (10%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i> </p> <p> <i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Oral presentation (20%)</i>  <i>Class participation (15%)</i>  <i>Assignments (25%)</i>  <i>mastery of the material(10%)</i> </p>
Reading list	<ol style="list-style-type: none"> <li>1. Abdul Kadir. 2019. <i>Logika Pemrograman Menggunakan C++</i>. Elex Media Komputindo. Jakarta.</li> <li>2. Chaffey &amp; Wood. 2005. <i>Business Information, Improving Performance Using Information Systems</i>. Prentice Hall. Edinburgh, England</li> <li>3. Luwis. 2021. <i>Panduan Lengkap Menguasai VBA Macro</i>. Penerbit Gava Media. Jakarta.</li> <li>4. Mulyani, Jenny. 2020. <i>Belajar Coding itu Penting di Era Revolusi Industri 4.0</i>. Pustaka Baru Press. Yogyakarta.</li> <li>5. Rinaldi Munir dan Leony Lidya. 2016. <i>Algoritma dan Pemrograman dalam Bahasa Pascal, C, dan C++</i>. Informatika Bandung. Bandung.</li> <li>6. The World Bank. 2017. <i>ICT in Agriculture, Connecting Smallholders to Knowledge, Networks and Institutions. (Updated Edition)</i>. Washington DC. USA</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Nutrition and Food</i>
<i>Semester(s) in which the module is taught</i>	<i>2<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Yaktiwo Indriani, M.Sc</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes (consisting of 10 minutes of opening, 20 minutes of initial lecture, 40 minutes of student group discussion, 15 minutes of question and answer, 5 minutes of closing lecture) Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li><i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (C3)</i></li> <li><i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P3)</i></li> </ul>
<i>Content</i>	<i>The Nutrition and Food Course is a compulsory course at the Department of Agribusiness that students in semester 2 (second) can take in the Agribusiness Study Program FP UNILA with the aim that after attending this lecture students are expected to be able to explain nutrition and food issues and the relationship between nutrition and food and agriculture and health, explaining the functions and diseases caused by deficiencies or excesses of the six kinds of nutrients, understanding and evaluating nutritional status, food patterns of expectations and food security as well as various factors that influence community nutrition problems and efforts to improve them through various community nutrition and food improvement programs in relation to the achievement of the Sustainable Development Goals (SDGs).</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i>

	<p><i>Assignments (25%)</i></p> <p><i>Individual quiz (20%)</i></p> <p><i>Activity (15%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Indriani, Y. 2019. Gizi dan Pangan. Buku Ajar. Aura Publishing, Bandar Lampung.</i></li> <li>2. <i>Byrd-Bredbenner, C et al. 2021. Wardlaw's Perspectives in Nutrition, 12th Ed. McGraw Hill.</i></li> <li>3. <i>Krause, M. V. and L. K. Mahan. 2008: Food, Nutrition and Diet Therapy. Saunders/Elsevier: St. Louis, Mo.</i></li> <li>4. <i>Gibson, Rosalind S. 2005. Principles of Nutritional Assessment. 2nd Ed. Oxford University Press, New York.</i></li> <li>5. <i>Lee, R., Nieman, D. 2012. Nutritional Assessment. 6th Ed. McGraw-hill Us Higher Ed</i></li> <li>6. <i>WHO. 2009. WHO child growth standards: growth velocity based on weight, length and head circumference: methods and development.</i></li> <li>7. <i>de Onis M et al. 2018. Prevalence thresholds for wasting, overweight and stunting in children under 5 years. Public Health Nutrition, October 2018.</i></li> <li>8. <i>Kementerian Perencanaan Pembangunan Nasional/Badan Perencanaan Pembangunan Nasional. 2019. Rancangan Rencana Pembangunan Jangka Menengah Nasional (RPJMN) 2020 – 2024. Bappenas, Jakarta</i></li> <li>9. <i>Mcintosh, W.A. 1996. Sociologies of Food and Nutrition. Springer Science and Business media. Plenum Press. New York and London</i></li> <li>10. <i>Frank, G. C. 2008. Community Nutrition . Applying Epidemiology to Contemporary Practice. Second Edition. Jones and Bartlett Publishers. Boston. Toronto. London. Singapore</i></li> </ol>

### ***The List of Courses in the Semester 3***

<b>Semester 3</b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	Entrepreneurship	UNI290092	2-1	3	4,77
2	Basics of Accountings	AGB620201	2-1	3	4,77
3	Macro Economics	AGB620202	2-1	3	4,77
4	Human Resources Management	AGB620204	2-0	2	3,18
5	Business Information System	AGB620205	2-0	2	3,18
6	Introduction to Soil Science	TNH620214	2-0	2	3,18
7	Agricultural Mechanization	ABE620217	2-0	2	3,18
8	Plant Cultivation Techniques Introduction	AGT620212	2-0	2	3,18
9	Basic Plant Protection	HPT620214	2-1	3	4,77
10	Agricultural technologies Introduction	THP620101	2-0	2	3,18
<b>Total</b>			<b>20-4</b>	<b>24</b>	<b>38,16</b>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Entrepreneurship</i>
<i>Semester(s) in which the module is taught</i>	3 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Wuryaningsih Dwi Sayekti, M.S</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning, ) Practicum sessions (Project based learning, Team Base Project)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to show a professional attitude in the field of agribusiness as a form of love for the country and the nation (A5)</i></li> <li>• <i>Students are able to use human literacy (ethics, communication, negotiation, leadership, innovation and creativity) in teamwork (C3)</i></li> <li>• <i>Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> </ul>
<b>Content</b>	<i>Broadly speaking, this course studies the role of entrepreneurship; obstacles to progress and future challenges, self and its development; optimism; intention and tenacity; creativity; stake; business planning, introduction to attitudes and characteristics of professional entrepreneurs. The scope of the discussion material includes: the role and characteristics of entrepreneurs, business networks, business ideas and opportunities, business feasibility, preparation of business plans, business financial management, marketing strategies, pricing, customer service, business locations and raw materials, capital and business profiles, and entrepreneurial ethics.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i>

	<p>Individual quiz (15%)  Assignments (25%)  Project (30%)</p> <p>Performance in practicum (100%):  Practicum exam (25%)  Pre-test or post-test (10%)  Oral presentation (10%)  Class participation (25%)  Assignments (30%)</p>
Reading list	<ol style="list-style-type: none"> <li>1. Alma, B. 2005. <i>Entrepreneurship</i>. Alfabeta. Bandung.</li> <li>2. Carpenter, K. 2021. <i>Introduction to Entrepreneurship</i>. <a href="https://kpu.pressbooks.pub/">https://kpu.pressbooks.pub/</a></li> <li>3. Hisrich, R.D., Peters, M.P. Shepherd, D.A. 2010. <i>Entrepreneurship</i>. 8th edition. McGraw Hill. Singapore</li> <li>4. Kuratko, D.F. 2009. <i>Introduction to Entrepreneurship</i>. SOUTHWESTERN CENGAGE Learning</li> <li>5. Mulyana, M., Harianto, Hakim, D.B, hartoyo, S. and Mariyah. 2022. <i>Analysis Entrepreneurship of Rice Farming</i>. Budapest International Research and Critics Institute-Journal. Vol 5. No. 2.</li> <li>6. Scarborough, N.M. and Zimmerer, T.W. 2006. <i>Effective Small Business Management An Entrepreneurial Approach</i>. Eight editions. Pearson Prentice Hall. New Jersey</li> <li>7. Sujarweni, VW. 2015. <i>Cost Accounting (Theory and Application)</i>. New Press Library. Yogyakarta.</li> <li>8. Sunarya, PA. Sudaryono. Saefullah, A. 2011. <i>Entrepreneurship</i>. ANDI Yogyakarta.</li> <li>9. Suparyanto, R.W. 2012. <i>Entrepreneurship (Concept and Reality in small businesses)</i>. Alfabeta. Bandung</li> <li>10. Soegoto, E.S., Luckyardi, S., and Warlina, L. 2022. <i>Agricultural Entrepreneurial Strategy during the Covid-19 Pandemic: Case Study of Garut Indonesia</i>. Journal Eastern European and Central Asian Research.Vol. 9 No. 1</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Basics of Accounting</i>
<i>Semester(s) in which the module is taught</i>	3 <sup>th</sup>
<i>Person responsible for the module</i>	Dr. Ir. R. Hanung Ismono, M.P
<i>Language</i>	Indonesian language
<i>Relation to curriculum</i>	Compulsory Course
<i>Teaching methods</i>	Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)
<i>Workload (incl. contact hours, self-study hours)</i>	Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes
<i>Credit points</i>	3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• Students are be able to understand &amp; describe accounting principles and procedures for preparing financial reports (P2)</li> <li>• Students are be able to compile and analyze financial reports of service businesses and trading businesses (P3)</li> <li>• Students able to prepare planning and analysis of financial reports for service businesses, production businesses and trading businesses in a professional &amp; innovative manner (P3)</li> </ul>
<i>Content</i>	Subject Basics of Accounting is a compulsory subject for study programs that third semester students can take part in the Agribusiness Study Program FP UNILA with the aim that students are able to understand are (a) parties who need financial reports, (b) accounting principles and procedures for preparing financial reports (service, production & trade business), (c) able to compile and analyze financial reports, and (d) able to plan & analyze (audit) financial reports (service business, production and trade)
<i>Examination forms</i>	oral presentation, essay, multiple choice, working paper
<i>Study and examination requirements</i>	Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).  Performance in theory (100%): Mid Exam (17%) Final Exam (17%) Individual quiz (10%) Assignments (6%) Activity participation (30%)



	<p><i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum mid exam (15%)</i>  <i>Practicum final exam (15%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Class participation (20%)</i>  <i>Assignments (35%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Cerepak, John R., and Donald H. Taylor. 1987. <i>Principles of Accounting</i>. Englewood Cliffs. N.J. Prentice-Hall, Inc.</li> <li>2. Graham Mott. 2005. <i>Accounting for Non-Accountants A MANUAL FOR MANAGERS AND STUDENTS</i>, 6th Edition. Kogan Page Limited 120 Pentonville Road London N1 9JN <a href="http://www.kogan-page.co.uk">www.kogan-page.co.uk</a></li> <li>3. Reeve, James M; Warren, Carl S dan Duchac, Jonathan E. 2012. <i>Principles of Accounting – Indonesia Adaptation</i>. Cengage Learning Asia Pte Ltd, UIC Building. Singapore.</li> <li>4. Jusuf, Al-Haryono. 2010. <i>Dasar-dasar Akuntansi</i>. Bagian Penerbitan Sekolah Tinggi Ilmu Ekonomi (STIE) YKPN. Yogyakarta.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Macro Economics</i>
<i>Semester(s) in which the module is taught</i>	<i>3<sup>rd</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dwi Haryono, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours: 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practice: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes): 60 minutes/hour = 119 hours: 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (C2)</i></li> <li>• <i>Students are able to examine the application of the concept of sustainable development, institutions, and policies in the development of agribusiness in a comprehensive manner (C4)</i></li> <li>• <i>Students are able to simulate making the right decisions in the field of agribusiness (P5)</i></li> </ul>
<i>Content</i>	<i>The Macro Economics course is a compulsory subject in a study program that third semester students can take part in the Agribusiness Study Program, FP UNILA. This course is a compulsory subject that contains the basic theory of national income, consumption theory, investment theory, money and central banking, IS-LM theory, inflation theory, fiscal policy and monetary policy, crises and poverty and international trade theory.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%). Performance in theory (100%):</i>  <i>Mid Exam (15%) Final Exam (15%) Individual quiz (15%) Assignments (5%) Activity participation (30%)</i>

	<p><i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Mid practicum exam (15%)</i>  <i>Final practicum exam (15%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Class participation (10%)</i>  <i>Assignments (45%)</i></p>
Reading list	<ol style="list-style-type: none"> <li>1. Andersson, M., Baccianti, C., Morgan, J. 2020. <i>Occasional Paper Series Climate Change and The Macro Economy</i>. European Central Bank (ECB). <a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3632832">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3632832</a></li> <li>2. Anh, D.L.T., Anh, N.T., and Chandio, A.A. 2023. <i>Climate Change and Its Impacts On Vietnam Agriculture: A Macroeconomic Perspective</i>. <i>Ecological Informatics</i>, 74. <a href="https://www.sciencedirect.com/science/article/abs/pii/S1574954122004101">https://www.sciencedirect.com/science/article/abs/pii/S1574954122004101</a></li> <li>3. Hasyim, Al. 2016. <i>Ekonomi Makro</i>. PT. Fajar Pratama Mandiri. Jakarta</li> <li>4. Arsyad, Lincoln. 2004. <i>Ekonomi Pembangunan</i>. Edisi Keempat. Bagian Penerbit Sekolah Tinggi Ilmu Ekonomi YKPN. Yogyakarta.</li> <li>5. Badan Pusat Statistik. 2014. <i>Statistik Indonesia</i>. <i>Statistical Yearbook of Indonesia</i>. BPS. Jakarta.</li> <li>6. Mankiw, N.G. 2020. <i>Macroeconomics</i>. Ninth Edition. Worth Publisher. New York</li> <li>7. Rinaldi, M., Jamal, A., Seftarita, C. 2017. <i>Jurnal Ekonomi dan Kebijakan Publik Indonesia</i>, 4(1). <a href="https://jurnal.usk.ac.id/EKaPI/article/view/8511/0">https://jurnal.usk.ac.id/EKaPI/article/view/8511/0</a></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Human Resources Management</i>
<i>Semester(s) in which the module is taught</i>	<i>3<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Wuryaningsih Dwi Sayekti, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method, field experiences)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li><i>Students are able to understand the meaning, role and development, as well as the functions of human resource management</i></li> <li><i>Students are able to understand and examine the functions of human resource management, examples, and their implementation in organizations/companies, including the functions of employee planning, job analysis, recruitment and selection, training and development, performance and performance appraisal, performance productivity measurement, compensation, integration employees, employee maintenance, and employee termination.</i></li> <li><i>Students are able to analyze and measure performance, work productivity, work performance, and compensation</i></li> </ul>
<i>Content</i>	<i>The human resource management (MSDM) course is focused on understanding concepts and cases related to HRM and broadly related to micro and macro aspects of employment, workforce productivity, efficient use of labor, and human resource development planning. The scope of discussion of this course includes: roles, development, and functions in human resource management, components of employee planning, job analysis, employee recruitment and selection, employee orientation and placement, employee training and development, performance and performance appraisal, compensation and incentives, employee integration, workforce maintenance, and employee termination.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper, activity in class</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>

	<p>Mid Exam (20%)</p> <p>Final Exam (20%)</p> <p>Assignments (30%)</p> <p>Individual quiz (10%)</p> <p>Activity in class (20%)</p>
Reading list	<ol style="list-style-type: none"> <li>1. Dessler, G. 2005. <i>Human Resources Management</i>. 10<sup>th</sup> ed. Prentice-Hall, Inc. New Jersey USA</li> <li>2. Hasibuan, Malayu. 2014. <i>Manajemen Sumber Daya Manusia</i>. Jakarta. Bumi Aksara.</li> <li>3. Hutasoit, M.F. 2022. <i>Human Resources Management of PT. Nestle Indonesia, Panjang Factory Lampung Indonesia</i>. <i>Ecomans Journal</i> Vol. 1 NO. 2.</li> <li>4. Ivancevich, J.M. 2010. <i>Human Resources Management</i>. Mc graw Hill. Singapore.</li> <li>5. Mangkunegara, A.A.A.P. 2016. <i>Manajemen Sumber Daya Manusia Perusahaan</i>. PT. Remaja Rosdakarya. Bandung.</li> <li>6. Mathis, R.L. dan J.H. Jackson. 2010. <i>Manajemen Sumber Daya Manusia</i>. Diterjemahkan oleh Jimmy Sadeli dan Bayu Prawira Hie. Salemba Empat. Jakarta.</li> <li>7. Nisar, Q.A., Haider, S., Ali, F., Ryu, K. and Gill S.S. 2022. <i>Green Human Resources Management Practices and Environmental Performance in Malaysian Green Hotels: The role of green intellectual capital and pro-environmental behavior</i>. <i>Journal of Cleaner Production</i>. Vol. 311</li> <li>8. Noe, R.A., Hollenbeck, J.R., Gerhart, B., and Wright, P.M. 2006. <i>Human Resources Management. Gaining A Competitive Advantage</i>. McGraw-Hill International. New York, United States of America.</li> <li>9. Pinnington, A.H. , Macklin, R., Campbell, T. (ed) 2007. <i>Human Resources Management Ethics and Employment</i>. Oxford University Press. Great Britain.</li> <li>10. Stone, R.J. 2008. <i>Human Resources Management</i>. 6<sup>th</sup> edition. John Willey and Son. Australia.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Business Information System</i>
<i>Semester(s) in which the module is taught</i>	<i>3rd</i>
<i>Person responsible for the module</i>	<i>Dr. Ir. R. Hanung Ismono, M.P.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion, Problem Based Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to describe the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C3)</i></li> <li>• <i>Students are able to simulate data, big data, and information technology in agriculture (P4)</i></li> </ul>
<i>Content</i>	<i>The Business Information Systems Course is a mandatory subject for the Department of Agribusiness which can be taken by students in semester 3 (three) at the Agribusiness Study Program, FP UNILA with the aim that after attending this lecture students are expected to be able to understand connected organizations, management, and companies, deepen technological infrastructure information, describes the main system applications in the digital era, and builds and manages management and business information systems.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, discussion,</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%)</i> <i>Final Exam (25%)</i> <i>Assignments (20%)</i> <i>Daily quiz (20%)</i> <i>Activity Participation (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Supriyadi, E. 2020. Sistem Informasi Bisnis : Dunia Versi 4.0. Penerbit Andi. Yogyakarta</li> <li>2. Laudon, Kenneth C., and Laudon, Jane P. 2014. Management Information Systems, Managing the Digital Firm, Thirteenth edition. UK. Pearson.</li> </ol>

	<ol style="list-style-type: none"> <li>3. Mohammad Ayoub Khan, Rijwan Khan, and Pushkar Praveen. 2022. Artificial Intelligence Applications in Agriculture and Food Quality Improvement. IGI Global Publisher</li> <li>4. McLeod, R. Dan G. Schell. 2004. Management Information Systems. Pearson Education, Inc. USA.</li> <li>5. Curtis, Graham., and Cobham, David. 2005. Business Information Systems: Analysis, Design and Practice – 5 th Edition. Prentice Hall.</li> <li>6. Magal, S.R., and Word, J. (2009). Essentials of Business Process and Information System. USA, John Wiley &amp; Sons, Inc.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Introduction to Soil Science</i>
<i>Semester(s) in which the module is taught</i>	3 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Prof. Dr. Ir. Dermiyati., M.Agr.Sc.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li>1. <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream. C2</i></li> <li>2. <i>Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge. P3</i></li> </ol>
<i>Content</i>	<i>Introduction to Soil Science course is a 2 (2-0) credit course. This course contains studies of: Soil and human civilization, soil as a resource, soil formation, physical, chemical and biological properties of soil, sources of soil nutrients (N, P, K, Ca, Mg, S, and micro elements) and their management, interpretation of land use, soil environment, basics of soil classification and surveying.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (25%)</i> <i>Final Exam (25%)</i> <i>Assignments (30%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i>



Reading list	<ol style="list-style-type: none"> <li>1. <i>Fundamental of Soil Science</i>. 2022. D. Tripathi, S. Mani, Mohinder Singh. <a href="http://www.agrimoon.com">www.agrimoon.com</a>. Accessed Dec 16<sup>th</sup>, 2022.</li> <li>2. <i>The Nature and Properties of Soil</i>. 2017. N.C. Brady and R.R. Weil. Pearson Prentice Hall, Pearson Education Inc. New Jersey 15<sup>th</sup> Edition.</li> <li>3. <i>Ilmu Tanah: Dasar-dasar dan pengelolaan</i>. M. Utomo, T. Sabrina, Sudarsono, J. Lumbanraja, B. Rusman dan Wawan. 2016. Edisi Pertama, Penerbit: Prenadamedia, Jakarta. 433hlm.</li> <li>4. <i>Essential Soil Science: A Clear and Concise Introduction to Soil Science</i>. 2002. Blackwell Science, Blackwell Pub. Co, Hongkong, Great Britain.pp 198, M.R. Ashman and G. Puri.</li> <li>5. <i>Fundamental of Soil Science</i>. 1991. H.D. Foth, 8th Ed. Wiley.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agricultural Mechanization</i>
<i>Semester(s) in which the module is taught</i>	<i>3<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Siti Suharyatun, STP., M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<i>1. Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream. C2 2. Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge. P3</i>
<i>Content</i>	<i>The Agricultural Mechanization course includes tools and machines for primary soil processing, processing secondary soil, planting machine, fertilizing machine, spraying machine, drainage of dry land and wetlands, harvesting machine, sorting machine, drying machine and storage machine.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)  Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>

Reading list	<ol style="list-style-type: none"> <li>1. Hunt, Donnell. 2001. <i>Farm Power and Machinery Management</i>. USA: Iowa State University Press. 368p.</li> <li>2. Kepner, RA., Bainer, R., Barger, EL. 2017. <i>Principles of Farm Machinery</i> 3<sup>th</sup> Ed. New Delhi: CBS Publishers.</li> <li>3. Smith, HP., Wilkes, LH. Tjitrosoepomo, G (ed). 1990. <i>Mesin dan Peralatan Usaha Tani</i>. Yogyakarta: Gadjah Mada university Press.</li> <li>4. Arismunandar, Wiranto. 1977. <i>Penggerak Mula Motor Bakar Torak</i>. Bandung: ITB Press.</li> <li>5. Liljedahl, JB., Turnquist, PK., Smith, DW., Hoki, M. 1989. <i>Tractors and Their Power Units</i>. New York: Macmillan of Canada.</li> <li>6. Alonso, Jose Perez (ed). 2022. <i>Agricultural Structures and Mechanization</i> © by the authors (a reprint of the Special Issue <i>Agricultural Structures and Mechanization</i> that was published in <i>Agriculture - MDPI Journal</i>). ISBN 978-3-0365-5583-6 (hardback); ISBN 978-3-0365-5584-3 (PDF). Pages: 450. <a href="https://doi.org/10.3390/books978-3-0365-5584-3">https://doi.org/10.3390/books978-3-0365-5584-3</a>.</li> <li>7. Haryono D, Hudoyo A, Mayasari 1. 2021. <i>The sustainable agricultural mechanization of rice farming and its impact on land productivity and profit in Lampung Tengah Regency</i>. IOP Conf. Ser.: Earth Environ. Sci. 739 012056. DOI 10.1088/1755-1315/739/1/012056.</li> <li>8. Sims B and Kienzle J. 2017. <i>Sustainable Agricultural Mechanization for Smallholders: What Is It and How Can We Implement It?</i>. <i>Agriculture</i> 7(6), 50; <a href="https://doi.org/10.3390/agriculture7060050">https://doi.org/10.3390/agriculture7060050</a></li> <li>9. Kadir, Prasetyo OR. 2020. <i>Adoption of Agriculture Mechanization on Paddy Farmers in Indonesia: Demographic Determinants, Internet Access Influence, and The Impact of Adoption on The Yield</i>. <i>Journal of Statistical Application and Computational Statistics Special Edition</i> 12 (3). DOI: <a href="https://doi.org/10.34123/jurnalasks.v14i1.392">https://doi.org/10.34123/jurnalasks.v14i1.392</a>.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Introduction to Plant Cultivation Techniques</i>
<i>Semester(s) in which the module is taught</i>	3 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Ir. Setyo Widagdo, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li>1. <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream. C2</i></li> <li>2. <i>Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge. P3</i></li> </ol>
<i>Content</i>	<i>This course contains studies on: Understanding and scope of plant cultivation, basic needs plants, plant propagation (vegetative, generative, seed criteria and storage), cultivation techniques, planting patterns, plant cultivation local specific and environmentally sound plant cultivation.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Sheaffer, C.C. and Moncada, K.M. 2012. Introduction to Agronomy. Delmar Cengage Learning, USA</i></li> <li>2. <i>Harjadi, S.S. 2019. Dasar-dasar Agronomi. PT Gramedia Pustaka Utama. Jakarta.</i></li> <li>3. <i>Ginting, C. dan Aeny, T.N. 2022. Ilmu Penyakit Tumbuhan: Konsep dan Aplikasi. Penerbit Ali Imron.</i></li> </ol>

	<p>4. Hartmann T.H. , Kester D.E., Davies, F.T., and Geneve R.L. 2006. <i>Plant Propagation: Principle and Practices</i>. Prentice Hall. Boston.</p> <p>5. Sri Yusnaini dan Rusdi Evizal. 2017. <i>Agriculture Ecology</i> . Aura .Press Bandar Lampung.123 hlm.(in Indonesia)</p>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Basic Plant Protection</i>
<i>Semester(s) in which the module is taught</i>	3 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Prof. Dr. Purnomo, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li>1. <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream. C2</i></li> <li>2. <i>Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge. P3</i></li> </ol>
<i>Content</i>	<i>This course discusses the history, purpose and importance of plant protection, the concept of crop disturbance, various types of plant disturbances, the understanding of plant pests and diseases, the concept of disease occurrence, disease causes and mechanisms of disease occurrence, ways of managing plant diseases, vertebrate taxonomy and plant pest invertebrates, plant pest bioecology, pest status and garden economics, plant pest management.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (25%)</i> <i>Final Exam (25%)</i> <i>Assignments (30%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i>

	<i>Performance in practicum (100%):</i> <i>Practicum exam (40%)</i> <i>Pre-test or post-test (10%)</i> <i>Lab activity (10%)</i> <i>Experiment reports (40%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Triharso. 1996. <i>Dasar-dasar perlindungan tanaman</i>. Yogyakarta: Gadjah Mada University Press. 362 hal</li> <li>2. Kalshoven. L.J.E. 1981. <i>The Pest of Crops in Indonesia</i>. Jakarta: PT Ikhtiar Baru.</li> <li>3. Semangun, H. 2001. <i>Pengantar Ilmu Penyakit Tumbuhan</i>. Yogyakarta : Gadjah Mada University Press. 754 hal</li> <li>4. Untung, K. 1984. <i>Pengantar analisis ekonomi pengendalian hama terpadu</i>. Yogyakarta: Andi Offset. 92 hal.</li> <li>5. Bos, L. 1990. <i>Pengantar Virologi</i>. Gadjah Mada University Press. 226 hal</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Introduction to Agricultural Technologies</i>
<i>Semester(s) in which the module is taught</i>	<i>3<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Siti Nurdjanah, P.hD.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<i>1. Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream. C2 2. Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge. P3</i>
<i>Content</i>	<i>This Course focuses on the importance of Agricultural product science and technology to humans as well as environment. This class discusses the total sequence of operations in processing technology, which includes the selection of raw materials, processing, preservation, and distribution. The topics covered start with an overview of the technology of processing and storage of agriculture products. Also discuss how the processor often controls the producer's operations by demanding a raw product of a certain type in order to satisfy a particular processing and consumer demand</i>
<i>Examination forms</i>	<i>Essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)  Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<i>1. Emmanuel-Ikpeme, C. 2012. Foundations of food science: Introduction to food science. LAP LAMBERT Academic Publishing. 436 pp.</i>



	<ol style="list-style-type: none"><li>2. <i>Shewfelt, R.L., Orta-Ramirez, A., and Clarke A.D. 2016. Introducing Food Science. CRC Press. 463 pp.</i></li><li>3. <i>Raju L. Bhardwaj, R.L., Yogesh Kumar Sharma,Y.K., and Vyas, L. 2021. Postharvest Handling of Horticultural Crops. CRC Press. 555 pp.</i></li><li>4. <i>Bhattacharya, S. 2022. Snack Foods: Processing and Technology. Academic Press. 570pp.</i></li></ol>
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### ***The List of Courses in the Semester 4***

<b>Semester 4</b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	Econometrics	AGB620206	2-1	3	4,77
2	Cooperative	AGB620207	2-1	3	4,77
3	Financial and Banking Management	AGB620208	2-0	2	3,18
4	Agribusiness Risk	AGB620209	2-0	2	3,18
5	Agricultural Marketing	AGB620210	2-1	3	4,77
6	Farm Business	AGB620211	2-1	3	4,77
7	Agribusiness System	AGB620307	2-0	2	3,18
8	Counseling Basics	PPN620105	2-0	2	3,18
<b>Total Credits Compulsory course</b>			<b>16-4</b>	<b>20</b>	<b>31,80</b>
<b>Elective Course (E)</b>			<b>0-4</b>		

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Econometrics</i>
<i>Semester(s) in which the module is taught</i>	<i>4<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dyah Aring Hepiana Lestari, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics. (P2)</i></li> <li>• <i>Students are able to find the problems faced by small, medium, and large agribusiness actors. (C3)</i></li> <li>• <i>Students are able to operate data analysis software, statistics, big data and digital information in the field of agribusiness. (P2)</i></li> </ul>
<i>Content</i>	<i>This course provides students with an understanding of Econometrics. The discussion starts with Definitions of Econometrics, Model Specifications, Simple Regression, Multiple Regression, Regression with Qualitative Independent Variables, Multicollinearity, Heteroscedasticity, Autocorrelation, Regression with Qualitatively Dependent Variables, Time Series Econometrics, and Introduction to Simultaneous Equations</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (15%)</i> <i>Assignments (5%)</i> <i>Activity participation (30%)</i> <i>Project (20%)</i>

	<p><i>Performance in practicum (100%):</i></p> <p><i>Practicum exam (25%)</i></p> <p><i>Pre-test or post-test (15%)</i></p> <p><i>Oral presentation (10%)</i></p> <p><i>Class participation (10%)</i></p> <p><i>Assignments (30%)</i></p> <p><i>Mastery of the material (10%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Greene, W.H. 2002. <i>Econometric Analysis. Second Edition. Macmillan Publishing Company. New York.</i></li> <li>2. Gujarati, D. 1997. <i>Basic Econometrics. 3th. ed. New York: McGraw-Hill.</i></li> <li>3. Intriligator, M.D., 1980. <i>Econometric Models, Techniques and Applications. Prentice Hall of India. New Delhi.</i></li> <li>4. Maddala, G.S. 1992. <i>Introduction to Econometrics. Second Eds. Prentice Hall International Inc. New Jersey.</i></li> <li>5. Manurung, J.J., A.H. Manurung, and F.D. Saragih. 2005. <i>Econometrics Theory and Applications. Elex Media Komputindo. Jakarta.</i></li> <li>6. Pindyck, R. S., and D. L. Rubinfeld, 1991. <i>Econometric Models And Economic Forecasts. McGraw-Hill. New York.</i></li> <li>7. Widarjono, A. 2007. <i>Econometrics Theory and Applications: For Economics and Business. Econicia. UII Faculty of Economics. Yogyakarta.</i></li> <li>8. Winarno, W.W. 2007. <i>Econometrics and Statistical Analysis with Eviews. UPP STIM YKPN. Yogyakarta.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Cooperative</i>
<i>Semester(s) in which the module is taught</i>	<i>4<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dyah Aring Hepiana Lestari, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and collaborative learning) Practicum sessions (Project based learning and discussion)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to examine the application of the concept of sustainable development, institutions, and policies in the development of agribusiness in a comprehensive manner. (C4)</i></li> <li>• <i>Students are able to find the problems faced by small, medium, and large agribusiness actors. (C3)</i></li> <li>• <i>Students are able to plan and evaluate agricultural business professionally and innovatively. (P3)</i></li> </ul>
<i>Content</i>	<p><i>This course provides students with an understanding of cooperative. The discussion starts from the history of cooperative and development of cooperatives, the development of cooperative laws and regulations in Indonesia, the understanding and principles of cooperatives, the formation, types, amalgamation and dissolution of cooperatives.</i></p> <p><i>The discussion is continued by the organizational structure of cooperatives, management and administration of cooperatives, cooperative capital, entrepreneurship and cooperative business networks, cooperatives in the market system, and participation of cooperative members.</i></p> <p><i>Furthermore, the discussion is about the evaluation of the success of cooperatives, the performance of cooperatives as business entities, the benefits of cooperatives for members, the contribution of cooperatives to national development, especially agricultural development, as well as business opportunities for cooperatives in Indonesia and several other countries</i></p>

<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (15%)</i>  <i>Final Exam (15%)</i>  <i>Individual quiz (15%)</i>  <i>Assignments (5%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Oral presentation (10%)</i>  <i>Class participation (10%)</i>  <i>Assignments (30%)</i>  <i>Mastery of the material (10%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Baswir, R. 2000. <i>Koperasi Indonesia, Edisi Pertama</i>. Penerbit BPFE-Yogyakarta.</li> <li>2. Hendar. 2010. <i>Manajemen Perusahaan Koperasi. Pokok-pokok Pikiran Mengenai Manajemen dan Kewirausahaan Koperasi</i>. Penerbit Erlangga. Jakarta.</li> <li>3. Kementerian Negara Koperasi dan UKM RI, 2015. <i>Peraturan Menteri Negara Koperasi dan Usaha Kecil dan Menengah Republik Indonesia nomor 21/PER/M.KUKM/IX/2015 tentang Pedoman Pemeringkatan Koperasi</i>. Jakarta.</li> <li>4. Marcis, J., Llma, E. P., Costa, S.E.G.. 2019. <i>Model for assessing sustainability performance of agricultural cooperatives</i>. <i>Journal of Cleaner Production</i>. Volume 234 pages 933-948. DOI : <a href="https://doi.org/10.1016/j.jclepro.2019.06.170">https://doi.org/10.1016/j.jclepro.2019.06.170</a>.</li> <li>5. <i>Peraturan Pemerintah RI No. 7 tahun 2021 tentang Kemudahan, Perlindungan, dan Pemberdayaan Koperasi dan Usaha Mikro, Kecil, dan Menengah</i>.</li> <li>6. Putri, D.L., Lestari, D.A.H., Kashmir, E. 2019. <i>Analisis Manfaat koperasi, pendapatan, dan tingkat kesejahteraan anggota koperasi Lembaga Keuangan Mikro Agribisnis (LKM-A) Gapoktan Sari MAkmur Kecamatan Metro Timur Kota Metro</i>. <i>Jurnal Ilmu-Ilmu Agribisnis</i>. Volume 7 Nomor 2 pages 157-164. DOI : <a href="http://dx.doi.org/10.23960/jiia.v7i2.3375">http://dx.doi.org/10.23960/jiia.v7i2.3375</a>.</li> <li>7. Pritchard, G.Y, Caliyurt, K.T. 2021. <i>Sustainability Reporting in Cooperatives</i>. DOI : <a href="https://doi.org/10.3390/risks9060117">https://doi.org/10.3390/risks9060117</a></li> <li>8. Ropke, J. 1989. <i>The Economic Theory of Cooperatives</i>. University of Marburg. West Germany.</li> <li>9. <i>Undang-undang No. 11 tahun 2020 tentang Cipta Kerja (Omnibus Law)</i>.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Financial and Banking Management</i>
<i>Semester(s) in which the module is taught</i>	<i>4<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. R. Hanung Ismono, M.P.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to describe agribusiness theory, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and technical knowledge of agricultural aspects from upstream to downstream in a comprehensive manner (C2).</i></li> <li>• <i>Students are able to demonstrate theory in the field of agribusiness that is relevant in simulating agribusiness practices and agricultural development (C3).</i></li> <li>• <i>Students are able to plan and evaluate agricultural businesses in a professional and innovative manner (P3).</i></li> </ul>
<i>Content</i>	<p><i>Financial management and banking courses are compulsory courses in the Agribusiness Study Program. This course discusses the meaning of banks and other financial institutions, banking products, banking management, time value of money, non-bank financial institutions, banking and credit law, the central bank, and Indonesia's monetary policy. This course also discusses the concepts of financial management, financial planning, working capital management, cost of capital, financial statement analysis, break even point analysis, leverage analysis, and cash flow statement analysis. Understand the definition of medium and long term sources of funds, banking and credit law, central bank and monetary policy of Indonesia, as well as International Financial Management.</i></p> <p><i>The approach used in MK learning is through a student centered learning approach that encourages active participation from students. Students also gain experience related to financial management in companies through reviews.</i></p>

<i>Examination forms</i>	<i>Essay, multiple choice, discussion, exercises</i>
<i>Study and examination requirements</i>	<p><i>Participants are evaluated based on their performance in class (lectures)</i></p> <p><i>Mid Exam (25%)</i>  <i>Final Exam (25%)</i>  <i>Assignments (25%)</i>  <i>Individual quiz (25%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li><i>1. Kadarsan, Halimah W. 1995. Agricultural Finance and Financing of Agribusiness Companies. Publisher PT. Main Library Gramedia. Jakarta.</i></li> <li><i>2. Martono and Harjito, Agus. 2004. Financial Management. Ekonisia Publisher. UII Faculty of Economics campus. Yogyakarta.</i></li> <li><i>3. Indian Institute of Financial and Banking. 2018. Bank Financial Management, 2nd ed. Macmillan Education India. India.</i></li> <li><i>4. Suresh Padmalatha and Paul Justin. 2017 Management of Banking and Financial Services, 4th Edition. Pearsons.</i></li> <li><i>5. Van Horne, James C., and Wachowicz Jr., John M. 2009. Fundamentals of Financial Management, 13th edition Pearson Education Limited.</i></li> <li><i>6. Brigham, Eugene F – Houston, Joel F. 2013. Fundamentals of Financial Management, 13th Edition. Thomson One.</i></li> <li><i>7. Brigham, Eugene F – Ehrhardt, Michael C. 2013, Financial Management Theory and Practice, 13th Edition. Thomson One.</i></li> </ol>



**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agribusiness Risk</i>
<i>Semester(s) in which the module is taught</i>	3
<i>Person responsible for the module</i>	<i>Dr. Ir. Fembriarti Erry Prasmatiw, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Problem Based Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to integrate agribusiness concepts (production facilities, farming, processing, marketing and support) in agricultural business creatively, innovatively and professionally (P4)</i></li> <li>• <i>Students are able to describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and technical knowledge of agricultural aspects from upstream to downstream in a comprehensive manner (C2)</i></li> <li>• <i>Students are able to plan and evaluate agricultural business professionally and innovatively (P3)</i></li> </ul>
<i>Content</i>	<i>The Agribusiness Risk Course is a mandatory subject for the Agribusiness Department which can be taken by 3rd (three) semester students at the Agribusiness Study Program FP UNILA with the aim that after attending this course students are expected to be able to know the knowledge and skills regarding the concept of risk and uncertainty, the types of risk in business, decision-making theory, portfolio risk assessment, risk models in business, and risk management strategy.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, discussion, paper,</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (25%) Individual quiz (15%) Activity (10%)</i>

<p><i>Reading list</i></p>	<ol style="list-style-type: none"> <li>1. Soekartawi, Rusmadi, Effi Damarjati. 1993. Risiko Dan Ketidakpastian Dalam Agribisnis . Rajagrafindo Persada. Jakarta</li> <li>2. Wastra, A.R And A. Mahboudi. 2013. Risiko Agribisnis: Identifikasi, Pengukuran, Pemetaan, Dan Manajemen Strategi. Gema Persada Press. Jakarta</li> <li>3. Venty Fitriany Nurunisa Dan Ila Fadila, 2022. AGRIBUSINESS RISK OF DAIRY FARMER COOPERATIVE (CASE STUDY: BOGOR DAIRY PRODUCTION AND LIVESTOCK BUSINESS COOPERATIVE). AGRISEP Vol. 21 No. 1</li> <li>4. Roumasset, JA. JM. Boussard And I. Singh. 1979. Risk, Uncertainty And Agricultural Development. Southeast Asian Regional Center For Graduate Study And Research In Agriculture. Philippines.</li> <li>5. Harwood, J., R. Heifner, K. Coble, J. Perry And A, Somwaru. 1999. Managing Risk In Farming: Concepts, Research And Analysis. Economic Research Service. USDA.</li> <li>6. Robison, L. J. And P. J. Barry. 1987. The Competitive Firm's Response To Risk. Macmillan Publishing Company. New York.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agricultural Marketing</i>
<i>Semester(s) in which the module is taught</i>	<i>4<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Ir. Suriaty Situmorang, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Problem Based Learning) Practicum sessions (Discussion and Project Based Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> <li>• <i>Students are able to determine alternative solutions to problems faced by companies in C3 agribusiness simulations</i></li> <li>• <i>Students are able to plan and evaluate agricultural business in a professional and innovative manner P3</i></li> </ul>
<i>Content</i>	<i>The Agricultural Commerce Course is a compulsory subject for study programs that students in the 4th (fourth) semester of the Agribusiness Study Program, FP UNILA, can take part in with the aim that students are able to understand the role of marketing theory in agricultural products and are able to analyze the efficiency of the agricultural trade system and link market performance with developments in the trade system. (marketing) of agricultural products in Indonesia today. Therefore, this course discusses the meaning and scope of the understanding of the agricultural trade system and trade system, the functions of the trade system and the role of the trade system in the development of agricultural products in domestic and foreign markets, the formation of agricultural product prices and their influence on agricultural production and food security and economic stability, government policy in agricultural trade system, marketing efficiency, market organization and assessing (analyzing) marketing performance of agricultural products.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>

<p><i>Study and examination requirements</i></p>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (17%)</i>  <i>Final Exam (17%)</i>  <i>Individual quiz (10%)</i>  <i>Assignments (6%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum mid exam (15%)</i>  <i>Practicum final exam (15%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Class participation (20%)</i>  <i>Assignments (35%)</i></p>
<p><i>Reading list</i></p>	<ol style="list-style-type: none"> <li>1. Hasyim, A.I. 2012. <i>Tataniaga Pertanian</i>. Penerbit Universitas Lampung. Bandar Lampung.</li> <li>2. Asmarantaka, R.W. 2012. <i>Pemasaran Agribisnis (Agrimarketing)</i>. Departemen Agribisnis FEM-IPB. Bogor.</li> <li>3. Kotler, P., Kevin L.K.. 2013. <i>Manajemen Pemasaran</i>. Edisi ke-13 Jilid 2. Penerjemah Bob Sabran. Pearson Education. Inggris.</li> <li>4. Lipsey, R.G., P.O. Steiner, and D.D. Purvis. 1987. <i>Economics</i>. 8<sup>th</sup> Edition. Harper &amp; Row, Publishers. New York.</li> <li>5. Nasruddin, W. dan A. Musyadar. 2015. <i>Tataniaga Pertanian</i>. Penerbit Universitas Terbuka. Pamulang.</li> <li>6. Vercammen, J. 2011. <i>Agricultural Marketing : Structural Models for Price Analysis</i>. Routledge. New York.</li> <li>7. Verma, S.B. 2014. <i>Agricultural Marketing</i>. Scientific Publisher. India.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Farm Business</i>
<i>Semester(s) in which the module is taught</i>	<i>4<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Fembriarti Erry Prasmatiw</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Student are Able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> <li>• <i>Student are able to determine alternative solutions to problems faced by companies in agribusiness simulations (C3)</i></li> <li>• <i>Student are Able to plan and evaluate agricultural business professionally and innovatively (P3)</i></li> </ul>
<i>Content</i>	<i>This course is a compulsory subject for the Agribusiness Undergraduate Study Program. The farming course studies the definitions, classifications and patterns of farming in Indonesia, the main elements of farming, farming research, revenue structures, costs and farming income, risk and uncertainty analysis in farming, farming planning, farming budgeting and farming accounting.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (15%)</i> <i>Assignments (5%)</i> <i>Activity participation (30%)</i> <i>Project (20%)</i>

	<p><i>Performance in practicum (100%):</i></p> <p><i>Practicum exam (25%)</i></p> <p><i>Pre-test or post-test (15%)</i></p> <p><i>Oral presentation (10%)</i></p> <p><i>Class participation (10%)</i></p> <p><i>Assignments (30%)</i></p> <p><i>Mastery of the material (10%)</i></p>
Reading list	<ol style="list-style-type: none"> <li>1. Kay, R.D. 2008. <i>Farm Management</i>. Singapore: McGraw Hill.</li> <li>2. Calkins, P.H., D.D. Dipietre. 1983. <i>Farm Business Management: Successful Decisions in a Changing Environment</i>. Macmillan Publishing Co., Inc.</li> <li>3. Deborah, T.S (Yearbook Editor). 1989. <i>Farm Management. How to Achieve Your Farm Business Goals</i>.</li> <li>4. Shaner, W.W., P.F. Philipp, and W.R. Schmehl. 1982. <i>Farming Systems Research and Development</i>, Westview Press, Boulder – Colorado.</li> <li>5. Efferson, J.N. 1953. <i>Principles of Farm Management</i>. McGraw Hill Book Co. New York.</li> <li>6. Halcrow, H.G. 1981. <i>Economics of Agriculture</i>. Mc. Graw Hill International Book Co. New York.</li> <li>7. Harsh, S.B., L.J. Connor and G.D. Schwab. 1981. <i>Managing the Farm Business</i>. Prentice Hall, Inc. Englewood Cliffs, New Jersey.</li> <li>8. Hernanto, F. 1990. <i>Farming Science. Self-help Spreader</i>. Jakarta</li> <li>9. Suratiyah, K. 2002. <i>Farming Science. Self-help Spreader</i>. Jakarta</li> <li>10. Soekartawi, et al. 1990. <i>Farming Science and Research for the Development of Small Farmers</i>. UIPress. Jakarta.</li> <li>11. Soekartawi, Rusmadi and Damaijati, E. 1993. <i>Risk and uncertainty in agribusiness</i>. Grafindo King. Jakarta.</li> <li>12. Soekartawi. 2006. <i>Farming Analysis</i>. Jakarta : UI-Press.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agribusiness System</i>
<i>Semester(s) in which the module is taught</i>	<i>4<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dyah Aring Hepiana Lestari, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to integrate agribusiness concepts (production facilities, farming, processing, marketing and support) in agricultural business creatively, innovatively and professionally (P4)</i></li> <li>• <i>Students are able to find problems faced by agribusiness actors at small, medium and large scale (C3)</i></li> </ul>
<i>Content</i>	<i>This course provides students with an understanding of agribusiness systems as a new approach to agricultural development. Therefore discussed agribusiness management of various agricultural sub-sectors. It begins with reviewing management functions and manager functions as well as various forms of agribusiness organizations. Next, the management of up-stream agribusiness, on-farm agribusiness, down-stream agribusiness, and agribusiness supporting systems is discussed successively. In addition, several special topics such as human resource management, financial management, investment management, and strategic management in agribusiness will complement the discussion in agribusiness systems.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<i>1. Downey, W.D., S.P. Erickson. 1987. Agribusiness management; International edition. McGraw-Hill. Inc. USA.</i>

	<ol style="list-style-type: none"> <li>2. Barnard et al. 2021. <i>Agribusiness Management 6th Edition</i>. Routledge. England.</li> <li>3. Chandrashekar, H.M. 2012. <i>Agribusiness Management: Challenges, Opportunities &amp; Strategies</i>. LAP LAMBERT Academic Publishing. London.</li> <li>4. Davis and Goldberg. 2021. <i>A Concept of Agribusiness</i>. Martino Fine Books. Connecticut.</li> <li>5. Fleet and Seperich. 2013. <i>Agribusiness: Principles of Management</i>. Cengage Learning. Massachusetts.</li> <li>6. Firdaus, M. 2009. <i>Manajemen Agribisnis</i>. Penerbit Bumi Aksara. Jakarta.</li> <li>7. Said, E.G. 2002. <i>Manajemen Agribisnis</i>. PT Ghalia Indonesia. Jakarta.</li> <li>8. Saragih, B. 1998. <i>Kumpulan Pemikiran Agribisnis. Paradigma Baru Pembangunan Ekonomi Berbasis Pertanian</i>. Penerbit Yayasan Mulia Persada Indonesia dan PT Surveyor Indonesia bekerja sama dengan Pusat Studi Pembangunan Lembaga Penelitian IPB. Bogor.</li> <li>9. Soekartawi. 1991. <i>Agribisnis. Teori dan Aplikasinya</i>. PT Raja Grafindo Persada. Jakarta.</li> <li>10. Zylbersztajn, Decio. <i>Agribusiness systems analysis: origin, evolution and research perspectives</i>. RAUSP Management Journal, vol. 52, no. 1, pp. 114-117. Universidade de São Paulo.</li> <li>11. Barzel, Y. (1997). <i>Economic analysis of property rights</i>. pp. 161. UK: Cambridge University Press.</li> <li>12. Coase, R. H. (1937). <i>The nature of the firm</i>. Economics, 4, 386-405.</li> <li>13. Cook, M. L., &amp; Chaddad, F. R. (2000). <i>Agroindustrialization of the global agrifood economy: Bridging development economics and agribusiness research</i>. Agricultural Economics, 23, 207-218.</li> <li>14. Davis, J. H., &amp; Goldberg, R. A. A. (1957). <i>Concept of agribusiness</i>. pp. 136. Boston: Division of Research, Graduate School of Business Administration, Harvard University.</li> <li>15. Goldberg, R. A. (1968). <i>Agribusiness coordination: A systems approach to the wheat, soybean, and Florida orange economies</i>. pp. 256. Division of Research, Graduate School of Business Administration, Harvard University.</li> <li>16. Menard, C., &amp; Klein, P. G. (2004). <i>Organizational issues in the agrifood sector: Toward a comparative approach</i>. American Journal of Agricultural Economics, 86(August (3)), 746-751.</li> <li>17. North, D. (1990). <i>Institutions, institutional change, and economic performance</i>. New York: Cambridge University Press.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Basics Counseling</i>
<i>Semester(s) in which the module is taught</i>	<i>4<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Prof. Dr. Ir. Irwan Effendi, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Problem Based Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to demonstrate social concern in improving the quality of social life (A5)</i></li> <li>• <i>Students are able to describe the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> </ul>
<i>Content</i>	<i>The scopes of the counseling basics course are the history of the development of agricultural counseling science, models and roles of counseling in agricultural development, philosophy and principles of counseling, teaching and learning process in counseling, communication process in counseling, adoption process in decision making, innovation, process diffusion of innovations and adopter categories, interpersonal communication and agricultural counseling, mass media communication in agricultural counseling, agricultural counseling methods, the basics of preparing agricultural counseling programs, the basics of evaluating counseling programs, agricultural counseling programs and institutions.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Setiana, L. 2005. Teknik Penyuluhan Dan Pemberdayaan Masyarakat. Ghalia Indonesia. Bogor.</i></li> </ol>

	<ol style="list-style-type: none"> <li>2. Padmo, S. 2000. <i>Media Penyuluhan Pertanian dan komunikasi</i> . Departemen Pertanian. Jakarta.</li> <li>3. Pravitasari, E. D., Wibowo, A., &amp; Widiyanto, W. (2021). Analisis Peranan Pusat Pelatihan Pertanian dan Pedesaan Swadaya (P4S) Manunggal Tani dalam Pemberdayaan Petani di Desa Bero Kecamatan Trucuk Kabupaten Klaten. <i>JIA (Jurnal Ilmiah Agribisnis) : Jurnal Agribisnis Dan Ilmu Sosial Ekonomi Pertanian</i>, 6(5). <a href="https://doi.org/10.37149/jia.v6i5.20403">https://doi.org/10.37149/jia.v6i5.20403</a></li> <li>4. Singh, A., &amp; sharma, S. (2021). Sustainable development through adoption of digitization towards functioning of self help groups. In <i>Artificial Intelligence and Speech Technology</i>. <a href="https://doi.org/10.1201/9781003150664-45">https://doi.org/10.1201/9781003150664-45</a></li> <li>5. Van den Ban, A.W dan H.S. Hawkins. 1999. <i>Penyuluhan Pertanian</i>. Kanisius. Yogyakarta.</li> <li>6. Wahyuti, U. 2005. <i>Metode dan Teknik Penyuluhan Pertanian</i>. Sekolah Tinggi Penyuluhan Pertanian Malang. Malang.</li> <li>7. Widodo, S dan I Nuraeni . 2006. <i>Media Penyuluhan Pertanian</i>. Universitas Terbuka. Jakarta.</li> </ol>
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### ***The List of Courses in the Semester 5***

<b>Semester 5</b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	<i>Sustainable Agricultural System</i>	<i>FPU620401</i>	<i>2-0</i>	<i>2</i>	<i>3,18</i>
2	<i>Decision Making Analysis</i>	<i>AGB620301</i>	<i>2-0</i>	<i>2</i>	<i>3,18</i>
3	<i>Natural Resources and Environmental Economics</i>	<i>AGB620302</i>	<i>2-1</i>	<i>3</i>	<i>4,77</i>
4	<i>Marketing and Logistic Management</i>	<i>AGB620303</i>	<i>2-0</i>	<i>2</i>	<i>3,18</i>
5	<i>Socio-Economics Research Methods</i>	<i>AGB620304</i>	<i>2-1</i>	<i>3</i>	<i>4,77</i>
6	<i>Agricultural Development</i>	<i>AGB620305</i>	<i>2-0</i>	<i>2</i>	<i>3,18</i>
7	<i>Agribusiness Project Planning and Evaluation</i>	<i>AGB620306</i>	<i>2-1</i>	<i>3</i>	<i>4,77</i>
<b>Total Credits Compulsory course</b>			<b>14-3</b>	<b>17</b>	<b>27,03</b>
<b>Elective Course (E)</b>			<b>0-7</b>		

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Sustainable Agriculture System</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Prof. Dr. Jamalam Lumbanraja, M.Sc</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Problem Based Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79,33 hours : 25 study hours/ECTS = 3.17 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to demonstrate awareness of the importance of running an agricultural business based on science, technology and the environment (A3)</i></li> <li>• <i>Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> <li>• <i>Students are able to find problems faced by agribusiness actors both small, medium and large scale (C3)</i></li> </ul>
<i>Content</i>	<i>The Sustainable Agriculture course is a 2 (2-0) credit course. (1). Reasons for the need for Sustainable Agricultural Management; (2) the concept of sustainable agriculture; (3) components of sustainable agricultural management: cropping pattern regulation, nutrient and fertilization management, management of organic matter and soil conditioner, soil and water conservation, genetic engineering of soil and plant organisms, integrated management of pest organisms, integration of livestock in Sustainable Agriculture; (4) Sustainable Agricultural management models: organic farming, integrated mixed farming, agroforestry, lowland rice systems, and integration of agriculture with post harvest management; (5) the impact of sustainable agriculture on environmental resources; (6) Sustainable Agricultural socio-economic: concept and analysis of sustainable agricultural economics, institutional and cultural aspects; (7) Agricultural risk management: risk issues and sustainable agricultural risk management.</i>
<i>Examination forms</i>	<i>oral presentation, essay</i>

<p><i>Study and examination requirements</i></p>	<p><i>Participants are evaluated based on their performance in class (lectures) (100%)</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (20%)</i>  <i>Final Exam (20%)</i>  <i>Assignments (40%)</i>  <i>Class participation (10%)</i>  <i>Individual quiz (10%)</i></p>
<p><i>Reading list</i></p>	<ol style="list-style-type: none"> <li>1. Ahmed Karmaoui, Kirby Barrick, Michael Reed, Mirza Barjees Baig.2020. <i>Impacts of Climate Change on Agriculture and Aquaculture</i>.IGI Global Publisher</li> <li>2. Altieri, M.A. 1995. <i>Agroecology. The Science of Sustainable Agriculture</i>. Second Edition. Westview Press. 433 pp.</li> <li>3. Ellis, F. 1994. <i>Agricultural policies in developing countries</i>. Cambridge University Press. Cambridge.</li> <li>4. FAO. 2003. <i>Soil biodiversity and agricultural context</i>. Soil Biodiversity Portal</li> <li>5. Kraas, F., Leggewie, C., Lemke, P., Matthies, E., Messner, D., Nakicenovic, N., &amp; Butsch, C. 2016. <i>Humanity on the move: Unlocking the transformative power of cities</i>. WBGU-German Advisory Council on Global Change</li> <li>6. Lynch, G.M. 1988. <i>Soil Biotechnology</i>. Blackwell.</li> <li>7. Schrettl, S., Hinz, A., Scherrer -Rathje, M., &amp; Friedli, T. 2014. <i>Turning sustainability into action: Explaining firms' sustainability efforts and their impact on firm performance</i>. <i>International Journal of Production Economics</i>, 147, 73-84.</li> <li>8. Sitanala, A., I. Amien, T. Sheng and W. Moldenhauer. 1992. <i>Conservation Policies for Sustainable Hillslope Farming</i>. Soil Water Conservation Society. Ankeny, Iowa, 367pp\</li> <li>8. Velten, S., Leventon, J., Jager, N., &amp; Newig, J. (2015). <i>What is sustainable agriculture? A systematic review</i>. In <i>Sustainability (Switzerland)</i> (Vol. 7, Issue 6). <a href="https://doi.org/10.3390/su7067833">https://doi.org/10.3390/su7067833</a></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Decision Making Analysis</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	Dr. Maya Riantini, S.P., M.Si..
<i>Language</i>	Indonesian language
<i>Relation to curriculum</i>	Elective course
<i>Teaching methods</i>	Lectures (Blended learning, Case method and discussion learning)
<i>Workload (incl. contact hours, self-study hours)</i>	Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes
<i>Credit points</i>	2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>● Students are able to demonstrate theory in the field of agribusiness that is relevant in simulating agribusiness practices and agricultural development (C3)</li> <li>● Students are able to simulate making the right decisions in the field of agribusiness (P5)</li> <li>● Students are able to plan and evaluate agricultural business professionally and innovatively (P3)</li> </ul>
<i>Content</i>	<i>This course provides students with an understanding to understand the meaning, processes and methods of decision-making, is able to analyze problems and make decisions based on the best alternative selection criteria, and prepares students to choose and explore their final assignment (thesis) in the future, especially related to the analytical tools that will be used.</i>
<i>Examination forms</i>	Essay, multiple choice, paper, oral presentation
<i>Study and examination requirements</i>	Participants are evaluated based on their performance in class (lectures).  Performance in theory (100%): Mid Term Exam (15%) Final Term Exam (15%) Individual quizzes (15%) Assignments (30%) Activity participation (5%) Project (20%)

<p><i>Reading list</i></p>	<ol style="list-style-type: none"> <li>1. <i>Analyzing Decision Making Metric Conjoint Analysis</i> Jordan J. Louviere - University of Alberta - Edmonton, Canada</li> <li>2. <i>Affandi, M.I., Yuliana, S., and Lina, M. 2019. Analysis of Decision Making. Media Heritage. Bandar Lampung.</i></li> <li>3. <i>Nachrowi, N.D., and Usman, H. 2004. Decision Making Techniques. Grasindo. Jakarta.</i></li> <li>4. <i>Marimin. 2004. Decision Making: Multiple Criteria. Grasindo. Jakarta</i></li> <li>5. <i>Firdaus, M., and Farid. 2008. Application of Selected Quantitative Methods for Management and Business. IPB Press. Bogor</i></li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Natural Resource and Environmental Economics</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	Dr. Ir. Ktut Murniati, M.T.A.
<i>Language</i>	Indonesian language
<i>Relation to curriculum</i>	Compulsory courses.
<i>Teaching methods</i>	Lectures (Blended Learning, Discussion and case method) Practicum sessions (Discussion, case method)
<i>Workload (incl. contact hours, self-study hours)</i>	Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes
<i>Credit points</i>	3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)
<i>Required and recommended prerequisites for joining the module</i>	1. Agricultural Development 2. Introduction to Economics
<i>Module objectives/intended learning outcomes</i>	1. Able to study ESDA Concepts and Understanding, ESDA Supporters, non-renewable resources, renewable resources, threatened extinct resources, water resources concepts, ESDA valuation methods, pollution concepts, and degradation concepts (P3) 2. Able to complete ESDA projects with sustainable principles. (C3) 3. Skilled in using the concept of economic valuation of natural resources and the environment (C4)
<i>Content</i>	The Economics of Natural Resources and Environment (ESDA) course is a compulsory course that provides an introduction to and understanding of economic analysis of natural resources. This ESDA course focuses on the sustainability of an economic development strategy. This course will discuss the economic principles of renewable natural resources, natural resources that are already threatened, natural resources that are disposable, and measurement of environmental damage and efforts towards sustainable economic development. The approach method used is descriptive/verbal, graphic and mathematical.
<i>Examination forms</i>	Multiple choice, group presentation, essay, and journal review.
<i>Study and examination requirements</i>	Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).  Performance in theory (100%): Mid Term Exam (15%) Final Term Exam (15%) Individual quizzes (15%)



	<p><i>Assignments (30%)</i>  <i>Activity participation (5%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Oral presentation (10%)</i>  <i>Class participation (10%)</i>  <i>Assignments (30%)</i>  <i>Mastery on course content (10%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Fauzi, Achmad. 2022. <i>Analisis Resiko dan Keberlanjutan Lingkungan</i>. Universitas Terbuka</li> <li>2. Fauzi, Achmad. 2004. <i>Ekonomi Sumberdaya Alam dan Lingkungan Hidup</i>. Jakarta: Gramedia Pustaka Utama..</li> <li>3. Tietenberg, Tom and Lynne Lewis. 2012. <i>Environmental &amp; Natural Resource Economics</i>. 9<sup>th</sup> Edition. Boston: Parsons Books.</li> <li>4. Hackett, Steve. 2006. <i>Environmental and Natural Resources Economics. Theory, Policy, and the Sustainable Society</i>. 3<sup>rd</sup> Edition. New York: M.E. Sharpe Inc.</li> <li>5. Scorse, Jason. 2010. <i>What Environmentalists Need to Know about Economics</i>. New York: Palgrave-Macmillan.</li> <li>6. Norton, George, Jeffrey Alwang, and William A Masters. 2010. <i>Economics of Agricultural Development : World Food Systems and Resource Use</i>. Second Edition. New York: McGraw-Hill</li> <li>7. Florio, M and C. Pancotti. 2023. <i>Applied Welfare Economics: Cost Benefit Analysis of Projects and Policies</i>. 2<sup>nd</sup> Edition. Routledge, NY.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Marketing and Logistic Management</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr.Ir. Zainal Abidin, M.E.S</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion, case method, Field experiences)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to practice agricultural business from upstream to downstream in a professional manner based on digital technology (P3)</i></li> <li>• <i>Students are able to find problems faced by agribusiness actors both small and medium scale (C3)</i></li> <li>• <i>Students are able to formulate agribusiness development plans and strategies in a professional and innovative manner (P4)</i></li> </ul>
<i>Content</i>	<i>The logistics and marketing management course discusses the basic concepts of marketing, marketing developments in the 21st century, analysis of marketing opportunities, determining marketing strategies, making marketing decisions, managing marketing programs and controlling marketing efforts. This course also discusses the concepts of logistics and supply chain management in agribusiness companies and identifies operations and logistics management to create strategic business opportunities.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (20%) Final Exam (20%) Assignments (30%) Individual quiz (20%) Activity (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Hoek, Remko Van and Harison, Alan. 2002. Logistics Management and Strategy Competing through the supply chain. FT Prentice Hall. Pearson Education.</i></li> </ol>

	<ol style="list-style-type: none"> <li>2. Rustor, Alan, Croucher, Phil and Baker, Peter. 2010. <i>Logistics and Distribution Management. The Chartered Institute of Logistics and Transport.</i></li> <li>3. Suntoro, M.T. 2020. <i>Fundamentals of Logistics Management: Logistical functions in implementation and operations. Golden media prenatala. Jakarta</i></li> <li>4. Hasyim, A.I., Murniati, K and Situmorang, S. 2019. <i>Marketing Management. aura. Bandar Lampung</i></li> <li>5. Normalina, Rita. 2014. <i>Marketing Concepts and Applications. Bogor: PT Publisher IPB Press.</i></li> <li>6. Lagorio, A., Zenezini, G, Mangano, G., and Pinto, R. 2022 <i>systematic literature review of innovative technologies adopted in logistics management. International Journal of Logistic Research and Application. Vol 25, Issue 7</i></li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Socio-Economics Research Methods</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Dyah Aring Hepiana Lestari, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, problem based and discussion method)) Practicum sessions (Project based, discussion, and simulation learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to demonstrate communication skills orally and in writing (Indonesian &amp; English) in the field of agribusiness (P5)</i></li> <li>• <i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics. (C6)</i></li> </ul>
<i>Content</i>	<i>This course is a compulsory subject for students of the Agribusiness Study Program. This course can be taken in odd or even semesters, namely in semesters V or VI with the prerequisite of passing Indonesian Language and Basic Statistics courses. After graduating from this course, students are expected to be able to complete a series of research processes, starting from making research proposals, conducting research, preparing research reports, to presenting research results. In order to achieve this goal, students will be provided with relevant learning materials.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (15%)</i> <i>Assignments (5%)</i> <i>Activity participation (30%)</i> <i>Project (20%)</i>

	<p><i>Performance in practicum (100%):</i></p> <p><i>Practicum exam (25%)</i></p> <p><i>Pre-test or post-test (15%)</i></p> <p><i>Oral presentation (10%)</i></p> <p><i>Class participation (10%)</i></p> <p><i>Assignments (30%)</i></p> <p><i>Mastery of material (10%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Cohen, L., Manion, L., Morrison, K. 2007. <i>Research Methods in Education. Sixth Edition.</i> Routledge Taylor &amp; Francis Group. London and New York.</li> <li>2. Daryanto, A. and Yundy H. 2010. <i>Model-Model Kuantitatif untuk Perencanaan Pembangunan Ekonomi Daerah.</i> Bogor; IPB Press.</li> <li>3. Denzin, N.K. and Yvonna S. Lincoln. 2009. <i>Handbook of Qualitative Research. Terjemahan.</i> Penerbit Pustaka Pelajar. Yogyakarta.</li> <li>4. Juanda, Bambang. 2009. <i>Metodologi Penelitian Ekonomi dan Bisnis.</i> Bogor: IPB Press.</li> <li>5. Noor, Juliansyah. 2011. <i>Metodologi Penelitian: Skripsi, Tesis, Disertasi &amp; Karya Ilmiah.</i> Jakarta: Kencana Prenada Media Group.</li> <li>6. Singarimbun, Masri &amp; Sofian Effendi (ed). 1987. <i>Metode Penelitian Survei.</i> LP3ES. Jakarta.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agricultural Development</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Zainal Abidin, M.Sc.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures ( Blended Learning, Small Group Discussion, Problem Based Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and technical knowledge of agricultural aspects from upstream to downstream in a comprehensive manner (C4)</i></li> <li>• <i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P4)</i></li> </ul>
<i>Content</i>	<i>The Sustainable Agricultural Development Course is a compulsory subject for the Department of Agribusiness which can be taken by students in semester 5 (fifth) at the Agribusiness Study Program FP UNILA with the aim that after attending this course students are expected to be able to understand the historical, philosophical and theoretical framework of sustainable agricultural development, understand agriculture as a strategic sector in Indonesia, knowing strategies for sustainable agricultural development, analyzing various government policies in increasing production and farmers' income and explaining challenges and best practices of sustainable agricultural development.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, discussion, paper, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (15%) Final Exam (15%) Assignments (5%) Individual quiz (15%) Case Method (25%)</i>

	<i>activity (25%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Bustanul Arifin, Noer Azam Achsani, Drajat Martianto, Linda Karlina Sari, Ahmad Heri Firdaus. 2019. <i>The future of Indonesian food consumption. Jurnal Ekonomi Indonesia</i></li> <li>2. Arifin, Bustanul. 2021. <i>Pertanian bantalan resesi: Resiliensi sektor selama pandemi Covid-19. Indef</i></li> <li>3. Arifin, Bustanul. 2015. <i>Ekonomi Pembangunan Pertanian. Cetakan Kedua. Bogor: Penerbit IPB Press.</i></li> <li>4. Food and Agriculture Organization. 2016. <i>The State of Food and Agriculture: Climate Change, Agriculture, and Food Security. Rome.</i></li> <li>5. Food and Agriculture Organization , 2017. <i>The state of food and agriculture: Leveraging Food Systems for Inclusive Rural Transformation. Rome</i></li> <li>6. Food and Agriculture Organization . 2018. <i>The State of Food and Agriculture: Migration, Agriculture, and Rural Development. Rome</i></li> <li>7. Hayami, Yujiro and Vernon Ruttan. 1985. <i>Agricultural Development: An International Perspective. Baltimore: Johns Hopkins University Press.</i></li> <li>8. Norton, George and Jeffrey Alwang. 2010. <i>Introduction to Economics of Agricultural Development. Second Edition. New York: McGraw-Hill</i></li> <li>9. Stevens, Robert and Cathy Jabara. 1988. <i>Agricultural Development Principles. Baltimore: Johns Hopkins University Press</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agribusiness Project Planning and Evaluation</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. R. Hanung Ismono, M.P.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Team Based Project) Practicum sessions (Discussion, Team Based Project)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</i></li> <li>• <i>Students are able to determine alternative solutions to problems faced by companies in agribusiness simulations (C3)</i></li> <li>• <i>Students are able to plan and evaluate agricultural businesses in a professional and innovative manner (P3)</i></li> </ul>
<i>Content</i>	<i>This course is a compulsory subject in the Agribusiness Study Program. Definition of the project, stages of the project cycle, objectives and criteria for project analysis, benefits and costs of the project, financial analysis and economic analysis, interest and rate of return on investment, calculation of present and future value of benefits, present value from the flow of costs and benefits, Selection of investment alternatives based on investment criteria, Assessment of economic benefits: consumer surplus, producer surplus and pricing as well as equal distribution of income and job opportunity creation, Evaluation of projects using the domestic resource cost method and effective rate of protection, Evaluation of projects in agricultural sector, strategy planning and project evaluation, especially investment benefit-cost analysis to obtain project information.</i>
<i>Examination forms</i>	<i>Discussion, essay, multiple choice, paper, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>



	<p><i>Performance in theory (100%):</i>  <i>Mid Exam (15%)</i>  <i>Final Exam (15%)</i>  <i>Individual quiz (15%)</i>  <i>Assignments (5%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Mid practicum exam (15%)</i>  <i>Final practicum exam (15%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Class participation (10%)</i>  <i>Assignments (45%)</i></p>
Reading list	<ol style="list-style-type: none"> <li>1. Gittinger, J.Price. 1986. <i>Analisis Ekonomi Proyek-proyek Pertanian</i>. UI-Press-Johns Hopkins. Seri Edi Dalam Pembangunan Ekonomi. (Penerjemah : Slamet Sutomo dan Komet Mangiri) UI Press. Jakarta.</li> <li>2. Gray, Clive, Payaman Simanjuntak, Lien K. Sabur, P.F.L. Maspaitella, dan R.C.G. Varley. 2005. <i>Pengantar Evaluasi Proyek</i>. Edisi Kedua. Penerbit PT Gramedia Pustaka Utama. Jakarta.</li> <li>3. Siswanto Sutojo. 2002. <i>Studi Kelayakan Proyek : Konsep, Teknik dan Kasus</i>. Edisi baru. PT Damar Mulia Pustaka. Jakarta.</li> <li>4. Kadariah. 1988. <i>Evaluasi Proyek : Analisis Ekonomis</i>. Edisi 2 LPFE UI. Jakarta.</li> <li>5. Djamin, Zulkarnain. 1993. <i>Perencanaan dan Analisa Proyek</i>. Edisi 3. LPFE UI. Jakarta.</li> <li>6. Husnan, Suad dan Muhammad, Suwarsono. 2000. <i>Studi Kelayakan Proyek</i> Edisi 4. UPP AMP YKPN. Yogyakarta.</li> <li>7. Suratman. 2001. <i>Studi Kelayakan Proyek : Teknik dan Prosedur Penyusunan Laporan</i>. Pembelajaran J&amp;J. Yogyakarta.</li> <li>8. Ichsan, Moch., Kusnadi, dan Saifi, M. 2000. <i>Studi Kelayakan Proyek Bisnis</i>. UNIBRAW Malang. Malang.</li> <li>9. Yescombe, E.R. 2002. <i>Prinsip Pembiayaan Proyek</i>. Pers Akademik.</li> <li>10. Finnerty, J. 2012. <i>Pembiayaan Proyek: Rekayasa Keuangan Berbasis Aset</i>. John Willey &amp; Sons, Inc, edisi ke-3.</li> <li>11. Esty, B. 2004. <i>Modern Project Finance : A Casebook</i>, John Willey &amp; Sons, Inc.</li> <li>12. Pretorius, F. 2008. <i>Pembiayaan Proyek Konstruksi dan Infrastruktur</i>. Penerbitan Blackwell.</li> <li>13. Morrison R. 2012. <i>Prinsip Pembiayaan Proyek</i>. Gower Publishing Ltd.</li> <li>14. Yescombe, E. R. 2007. <i>Kemitraan Pemerintah Swasta : Prinsip Kebijakan dan Keuangan</i>. Elsevier.</li> <li>15. <i>Pustaka lain yang mendukung topik/materi kuliah, misalnya jurnal-jurnal ilmiah/penelitian.</i></li> </ol>

### ***The List of Courses in the Semester 6***

<b>Semester 6</b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	Community Service Program	UNI1620401	0-3	3	4,77
<b>Total Credits Compulsory course</b>			<b>0-3</b>	<b>3</b>	<b>4,77</b>
<b>Elective Course (E)</b>			<b>0-21</b>		

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Community Services Program</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Head of Unila Community Services Board (BP-KKN)</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Internship session/homestay</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Internship session : 14 x 3 x 170 minutes</i>
<i>Credit points</i>	3 (0-3) CP or 4.76 (ECTS) (14 weeks x 3 x 170 minutes) : 60 minutes/hour = 119 hours : 25 study hours/ ECTS = 4.76 (ECTS)
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li>1. Students are able to show honesty, responsibility, toughness, and discipline as a reflection of piety to God Almighty. A5</li> <li>2. Students are able to demonstrate social concern in improving the quality of social life. A5</li> <li>3. Students are able to use human literacy (ethics, communication, negotiation, leadership, innovation and creativity) in teamwork. C3</li> <li>4. Students are able to plan and evaluate agricultural business professionally and innovatively. P3</li> </ol>
<i>Content</i>	<i>Students carry out internships in direct agricultural activities in the field; students recognize the social, cultural, and economical condition of farming families; activities are carried out with homestay in farming families or in agricultural cultivation areas. Students learn about : village communities, village sociology, community diversity, social communication, community development and empowerment and introducing innovation to village communities.</i>
<i>Examination forms</i>	<i>Group presentation, oral examination, report</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance internship activity.</i>  <i>Internship exam (15%)</i> <i>Field activity (25%)</i> <i>Internship report (50%)</i> <i>Oral presentation (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Purba, D.W., M. Thohiron, D.R. Surjaningsih, D. Sagala, R. Nisfi, R.D. Gandasari, C. Wati, T. Purba, J. Herawati, I.A. Sa'ida, Amruddin, B.Purba, N.S. Wisnujati, dan S.O.Manullang. 2020. Pengantar Ilmu Pertanian. Yayasan Kita Menulis. 210p.</li> <li>2. Silfia, S., Helmi, H., Noer, M., &amp; Henmaidi, H. (2021). Measurement Model on Community Farmer for Agriculture Cluster Development. International</li> </ol>

	<p><i>Journal on Advanced Science, Engineering and Information Technology</i>, 11(3). <a href="https://doi.org/10.18517/ijaseit.11.3.12496">https://doi.org/10.18517/ijaseit.11.3.12496</a></p> <p>3. Struś, M., Kalisik-Medelska, M., Nadolny, M., Kachniarz, M., &amp; Raftowicz, M. (2020). <i>Community-supported agriculture as a perspective model for the development of small agricultural holding in the region. Sustainability (Switzerland)</i>, 12(7). <a href="https://doi.org/10.3390/su12072656">https://doi.org/10.3390/su12072656</a></p> <p>4. Wrightson, J. and J. C. Newsham. 2019. <i>Agriculture, theoretical and practical. A textbook of mixed farming for large and small farmers and for agricultural students. Alpha Editions. 650p.</i></p> <p>5. Craig, G. and M. Mayo. 1995. <i>Community Empowerment: A Reader in participation and Development. Zed Books. 229p</i></p> <p>6. Hamid, H. 2018. <i>Manajemen Pemberdayaan Masyarakat. De La Macca Publ. 253p</i></p> <p>7. Wrightson, J. and J. C. Newsham. 2019. <i>Agriculture, theoretical and practical. A textbook of mixed farming for large and small farmers and for agricultural students. Alpha Editions. 650p.</i></p>
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### ***The List of Courses in the Semester 7***

<b>Semester 7</b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	Internship Program	FPU620402	3-0	3	4,77
2	Research Proposal Seminar*	AGB620401	0-1	1	1,59
3	Research Result Seminar*	AGB620402	0-1	1	1,59
<b>Total</b>			<b>3-2</b>	<b>5</b>	<b>7,95</b>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Internship Program</i>
<i>Semester(s) in which the module is taught</i>	<i>7<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Yuliana Saleh, S.P., M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lecturer Discussion Experiential learning Project Based Learning</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Internship sessions: 14 weeks x 3 x 170 minutes</i>
<i>Credit points</i>	<i>3 (0-3) CP or 4.76 (ECTS) ((14 weeks x 3 x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to show honesty, responsibility, toughness, and discipline as a reflection of piety to God Almighty (A5).</i></li> <li>• <i>Students are able to describe the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C3).</i></li> <li>• <i>Students are able to practice agricultural business from upstream to downstream in a professional manner based on digital technology (P3).</i></li> <li>• <i>Students are able to demonstrate theory in the field of agribusiness that is relevant in simulating agribusiness practices and agricultural development (C3).</i></li> </ul>
<i>Content</i>	<i>Internship activities carried out by students in agribusiness companies aim to gain real experience in the world of work related to subjects of interest and have been taken before.</i>
<i>Examination forms</i>	<i>Report, presentation, oral examination</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance internships activity</i>  <i>Internships exam (15%) Field activity (25%) Internships reports (50%) Oral presentation (10%)</i>

<p><i>Reading list</i></p>	<ol style="list-style-type: none"> <li>1. Dewi, K., H. Yaspita, dan A. Yulianda. 2020. <i>Manajemen Kewirausahaan</i>. Deepublish. 106p</li> <li>2. Mariotti, S. 2009. <i>Student Activity Workbook for Entrepreneurship: Owning Your Future</i>. Pearson. 416p</li> <li>3. Purba, D.W., M. Thohiron, D.R. Surjaningsih, D. Sagala, R. Nisfi, R.D. Gandasari, C. Wati, T. Purba, J. Herawati, I.A. Sa'ida, Amruddin, B.Purba, N.S. Wisnujati, dan S.O.Manullang. 2020. <i>Pengantar Ilmu Pertanian</i>. Yayasan Kita Menulis. 210p.</li> <li>4. Sheaffer, C.C. and K.M. Moncada. 2012. <i>Introduction to Agronomy: Food, Crops, and Environment</i>. Delmar Publications. 608p.</li> <li>5. Wrightson, J.and J. C. Newsham. 2019. <i>Agriculture, theoretical and practical. A textbook of mixed farming for large and small farmers and for agricultural students</i>. Alpha Editions. 650p</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Research Proposal Seminar</i>
<i>Semester(s) in which the module is taught</i>	<i>7<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Novi Rosanti</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Consult with supervisors, attend presentations of other student, and carry out oral presentation</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>(14 x 50 minutes) consultation with supervisor, (10 x 120 minutes) attending student seminar on agribusiness, (3 x 120 minutes) attending non agribusiness student seminars, (1 x 120 minutes) make a presentation</i>
<i>Credit points</i>	<i>1 (0-1) CP or 1.59 (ECTS)  ((14 x 50 minutes) + (10 x 120 minutes) + (3 x 120 minutes) + (1 x 120 minutes)) : 60 minutes/hour = 39,6 hours : 25 study hours/ECTS = 1.59 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>Completion : Socio Economics Research Methods</i>
<i>Module objectives/intended learning outcomes</i>	<i>1. Students are able to show honesty, responsibility, toughness, and discipline as a reflection of piety to God Almighty. A5 2. Students are able to demonstrate communication skills orally and in writing (Indonesian &amp; English) in the field of agribusiness. C2</i>
<i>Content</i>	<i>The proposal seminar is intended to present a research plan proposal after obtaining the approval of the supervisor. The research proposal seminar was attended by a minimum of 10 students, the supervisory committee and the lecturers who discussed it.</i>
<i>Examination forms</i>	<i>Oral Presentation and discussion</i>
<i>Study and examination requirements</i>	<i>Assessment Component</i> <i>1. Appearance in presentation:</i> <i>1.1 Mastery of the material</i> <i>1.2 Mastery of methodology</i> <i>1.3 Argument skills</i> <i>2. Proposal:</i> <i>2.1. Originality and substance</i> <i>2.2. Standard</i>  <i>Value Weight</i> <i>Advisor 1 : 50%</i> <i>Supervisor 2 : 20%</i> <i>Examiners outside the supervisor : 30%</i>
<i>Reading list</i>	<i>1. Universitas Lampung. 2020. Panduan Penulisan Karya Ilmiah Universitas Lampung. Universitas Lampung. Bandar Lampung</i>



	<ol style="list-style-type: none"> <li>2. <i>Surat Keputusan Kepala Badan Pengembangan dan Pembinaan Kementerian Pendidikan, Kebudayaan, Riset dan Teknologi Nomor 0424/I/BS.00.01/2022 tentang Ejaan Bahasa Indonesia yang Disempurnakan.</i></li> <li>3. <i>Other references (books, journals, research results) related to research plans.</i></li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Research Results Seminar</i>
<i>Semester(s) in which the module is taught</i>	<i>7<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Novi Rosanti</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Consult with supervisors, attend presentations of other student, and carry out oral presentation</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>(14 x 50 minutes) consultation with supervisor, (10 x 120 minutes) attending student seminar on agribusiness, (3 x 120 minutes) attending non agribusiness student seminars, (1 x 120 minutes) make a presentation</i>
<i>Credit points</i>	<i>1 (0-1) CP or 1.59 (ECTS) ((14 x 50 minutes) + (10 x 120 minutes) + (3 x 120 minutes) + (1 x 120 minutes)) : 60 minutes/hour = 39,6 hours : 25 study hours/ECTS = 1.59 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>Completion of course : Research Proposal Seminar</i>
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li><i>1. Students are able to show honesty, responsibility, toughness, and discipline as a reflection of piety to God Almighty. A5</i></li> <li><i>2. Students are able to demonstrate communication skills orally and in writing (Indonesian &amp; English) in the field of agribusiness. C2</i></li> <li><i>3. Students are able to demonstrate theory in the field of agribusiness that is relevant in simulating agribusiness practices and agricultural development. C3</i></li> <li><i>4. Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics. P2</i></li> </ol>
<i>Content</i>	<i>The research results seminar is intended to present the results of research that has been carried out by students after obtaining the supervisor's approval. The seminar on research results was attended by a minimum of 10 students, the supervisory committee and the lecturers who discussed it</i>
<i>Examination forms</i>	<i>Oral Presentation and discussion</i>
<i>Study and examination requirements</i>	<p><i>Assessment Component</i></p> <ol style="list-style-type: none"> <li><i>1. Appearance in presentation:</i> <ol style="list-style-type: none"> <li><i>1.1 Mastery of the material</i></li> <li><i>1.2 Mastery of methodology</i></li> <li><i>1.3 Argument skills</i></li> </ol> </li> <li><i>2. Thesis:</i> <ol style="list-style-type: none"> <li><i>2.1. Originality and substance</i></li> <li><i>2.2. Standard</i></li> </ol> </li> </ol> <p><i>Value Weight</i>  <i>Advisor 1 : 50%</i></p>

	<p><i>Supervisor 2 : 20%</i></p> <p><i>Examiners outside the supervisor : 30%</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li><i>1. Universitas Lampung. 2020. Panduan Penulisan Karya Ilmiah Universitas Lampung. Universitas Lampung. Bandar Lampung</i></li> <li><i>2. Surat Keputusan Kepala Badan Pengembangan dan Pembinaan Kementerian Pendidikan, Kebudayaan, Riset dan Teknologi Nomor 0424/I/BS.00.01/2022 tentang Ejaan Bahasa Indonesia yang Disempurnakan.</i></li> <li><i>3. other references (books, journals, research results) related to research plans.</i></li> </ol>

***The List of Courses in the Semester 8***

<b>Semester 8</b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	Thesis*	AGB620403	0-4	4	6,36
<b>Total</b>			<b>0-4</b>	<b>4</b>	<b>6,36</b>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Undergraduate Thesis</i>
<i>Semester(s) in which the module is taught</i>	<i>8<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Novi Rosanti</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Consult with supervisors and carry out oral presentation</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Activities in laboratory or field (14 x 2 x 170 minutes)</i> <i>Data Analysis and interpretation (14 x 1 x 170 minutes)</i> <i>Report writing independently (13 x 1 x 120 minutes)</i> <i>Consul with supervisor (14 x 1 x 50 minutes)</i> <i>Oral presentation and examination (1 x 1 x 120)</i>
<i>Credit points</i>	4 (0-4) CP or 6.36 (ECTS) $((14 \text{ weeks} \times 2 \times 170 \text{ minutes}) + (14 \times 1 \times 170 \text{ minutes}) + (13 \times 1 \times 120 \text{ minutes}) + (14 \times 1 \times 50 \text{ minutes}) + (1 \times 1 \times 120 \text{ minutes}) : 60 \text{ minutes/hour} = 158.67 \text{ hours} : 25 \text{ study hours/ECTS} = 6.36 \text{ (ECTS)})$
<i>Required and recommended prerequisites for joining the module</i>	<i>Completion of course : Seminar</i>
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li>1. Students are able to show honesty, responsibility, toughness, and discipline as a reflection of piety to God Almighty. A5</li> <li>2. Students are able to demonstrate communication skills orally and in writing (Indonesian &amp; English) in the field of agribusiness. C2</li> <li>3. Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics. P2</li> <li>4. Students are able to operate data analysis software, statistics, big data and digital information in the field of agribusiness. P2</li> <li>5. Students are able to simulate data, big data, and information technology in agriculture. P3</li> </ol>
<i>Content</i>	<i>Thesis is an individual scientific work compiled at the end of the study by undergraduate students. The thesis is guided by a supervisory committee consisting of the first and second supervisors. The examination is carried out by a thesis examiner team consisting of a supervisory commission and one examiner outside the supervisor. Exams are carried out comprehensively related to the research that has been carried out and the knowledge that has been learned related to research.</i>
<i>Examination forms</i>	<i>Oral presentation and oral examination</i>
<i>Study and examination requirements</i>	<b>Assessment Component</b> <ol style="list-style-type: none"> <li>1. Appearance in the oral exam:               <ol style="list-style-type: none"> <li>1.1 Mastery of the material</li> <li>1.2 Mastery of methodology</li> <li>1.3 Argument skills</li> </ol> </li> </ol>

	<p>2. Thesis:</p> <p>2.1. Originality and substance</p> <p>2.2. Standard</p> <p>2.3. The process of preparing the thesis</p> <p><b>Value Weight</b></p> <p>Advisor 1 : 50%</p> <p>Supervisor 2 : 20%</p> <p>Examiners outside the supervisor : 30%</p>
Reading list	<ol style="list-style-type: none"> <li>1. Universitas Lampung. 2020. Panduan Penulisan Karya Ilmiah Universitas Lampung. Universitas Lampung Press</li> <li>2. Surat Keputusan Kepala Badan Pengembangan dan Pembinaan Kementerian Pendidikan, Kebudayaan, Riset dan Teknologi Nomor 0424/I/BS.00.01/2022 tentang Ejaan Bahasa Indonesia yang Disempurnakan.</li> <li>3. other references (books, journals, research results) related to research plans.</li> </ol>

### ***The List of Elective Course in the Semesters***

<b><i>Elective Course</i></b>					
<b>No</b>	<b>Course</b>	<b>Code</b>	<b>Composition</b>	<b>Credit</b>	<b>ECTS</b>
1	Cost Accounting	AGB620308	2-0	2	3,18
2	Management Accounting	AGB620309	2-0	2	3,18
3	Agribusiness Quantitative Analysis	AGB620310	2-1	3	4,77
4	International Economics	AGB620311	2-1	3	4,77
5	Food and Nutrition Economics	AGB620312	2-1	3	4,77
6	Institutional Economics	AGB620313	2-1	3	4,77
7	Managerial Economics	AGB620314	2-0	2	3,18
8	Agricultural Production Economics	AGB620315	2-1	3	4,77
9	Regional Economics	AGB620316	2-0	2	3,18
10	Household Economics	AGB620317	2-1	3	4,77
11	Business Law and Ethics	AGB620318	2-0	2	3,18
12	Food and Nutrition Policy	AGB620319	2-0	2	3,18
13	Business Organization's Behaviour	AGB620326	2-0	2	3,18
14	Operasional Research	AGB620328	2-1	3	4,77
15	Multivariate Statistic	AGB620329	2-1	2	3,18
16	Agricultural Policy	AGB620320	2-1	2	3,18
17	Operation and Production Management	AGB620321	2-0	2	3,18
18	Strategic Management	AGB620322	2-0	2	3,18
19	Business Avocation and Negotiations	AGB620323	2-1	3	4,77
20	Agribusiness Practices	AGB620324	2-1	3	4,77
21	Consumer's Behaviour	AGB620325	2-1	3	4,77
22	Regional Planning and Development	AGB620327	2-1	3	4,77
23	Agribusiness Policy and Strategy	AGB620330	2-0	2	3,18
24	Agribusiness Geografic's Information System	AGB620331	2-1	3	4,77
25	Agroindustry Economics	AGB620332	2-0	2	3,18
26	Agricultural company financing	AGB620333	2-0	2	3,18
27	Forestry and Plantation Crop Production**	FPU620302	2-0	2	3,18
28	Aquaculture and Livestock**	FPU620303	2-0	2	3,18
29	Horticulture and Food Crops Productions**	FPU620313	2-0	2	3,18
30	Community Development	FPU620301	2-0	2	3,18
31	Agrarian Studies	PPN620314	2-1	3	4,77
32	Population	PPN620305	2-0	2	3,18

\* : Offered in every semester

\*\* : mandatory choice of thesis interest

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Cost Accounting</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. R. Hanung Ismono, M.P</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Case Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes)) : 60 minutes/hour = 79 hours : 25 study hours/ECTS = 3.17 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to practice agricultural business from upstream to downstream in a professional manner based on digital technology (P3)</i></li> <li>• <i>Students are able to find problems faced by agribusiness actors both small, medium and large scale (C3)</i></li> <li>• <i>Students are able to plan and evaluate agricultural business professionally and innovatively (P3)</i></li> </ul>
<i>Content</i>	<i>Subject Cost Accounting is an elective course in a study program that fifth semester students can take part in the Agribusiness Study Program FP UNILA with the aim that students are able to understand the meaning of cost and cost accounting, calculate costs based on orders and processes, understand and calculating costs for by-products, and planning &amp; controlling costs, especially raw material, labour and factory overhead costs through an estimated and standard costing system approach.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (17%)</i> <i>Final Exam (17%)</i> <i>Individual quiz (10%)</i> <i>Assignments (6%)</i> <i>Activity participation (30%)</i> <i>Project (20%)</i>



Reading list	<ol style="list-style-type: none"> <li>1. Carter, William K and Usry, Milton F. 2004. <i>Cost Accounting 13<sup>th</sup> Edition.. Thomson Learning (a division of) Thomson Asia Pte Ltd, UIC Building. Singapore.</i></li> <li>2. Arora, N.M. <i>Cost Accounting Principles and Practice. 12th Edition. Vikas Publishing House Pvt Ltd. New Delhi.</i></li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Management Accounting</i>
<i>Semester(s) in which the module is taught</i>	<i>6th</i>
<i>Person responsible for the module</i>	<i>Ir. Adia Nugraha, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to find problems faced by agribusiness entrepreneurs from small scale, middle scale, to large scale (C3)</i></li> <li>• <i>Students are able to make agricultural business planning and evaluation professionally and innovatively (P3)</i></li> </ul>
<i>Content</i>	<i>This subject is discussing the basic concepts of accountancy management holistically from traditional concepts to contemporary concepts. Those concepts comprise price accumulation and product assessment, management planning and controlling, and managerial decision making. Aside from discussing conceptual things about accountancy management, this subject is also discussing how to apply those concepts practically. Therefore, hopefully this subject could provide knowledge for management accountant and managerial perspectives on doing their duties afterward.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, paper, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Ray H. Garrison, Eric W. Noreen, Peter C. Brewer. 2015. Managerial Accounting Fifteenth Edition. McGraw-Hill Education.</i></li> <li>2. <i>Hansen, D.R. dan Maryanne M. Mowen. 2007. Management Accounting, 8th edition, South-Western-Thomson Learning.</i></li> </ol>

	<ol style="list-style-type: none"> <li>3. <i>Ronald W. Hilton, David E. Platt. 2014. Managerial Accounting: Creating Value in a Dynamic Business Environment Tenth edition. McGraw-Hill Education.</i></li> <li>4. <i>William H. Webster. 2004. Accounting for Managers. McGraw-Hill.</i></li> <li>5. <i>Dwi Martani, Silvia V. Siregar, Ratna Wardhani, Aria Farahmita, Edward Tanujaya. PSAK-Based Intermediate Financial Accountancy (2nd Edition 1st Book/2nd Book). Salemba Empat.</i></li> <li>6. <i>Carl S. Warren, James M. Reeve, Jonathan E. Duchac. 2014. Accounting 25e. Cengage Learning.</i></li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agribusiness Quantitative Analysis</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Muhammad Irfan Affandi, M.Si</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course.</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method) Practicum sessions (Discussion, Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>1. Introduction to Business 2. Introduction to Economics</i>
<i>Module objectives/intended learning outcomes</i>	<i>1. Students are able to demonstrate theory in the field of agribusiness that is relevant in simulating agribusiness practices and agricultural development (C3) 2. Students are able to simulate data, big data, and information technology in agriculture (P3)</i>
<i>Content</i>	<i>This course is an elective course. This course provides students with an understanding of agribusiness quantitative analysis agribusiness. The discussion starts from the basic framework of agribusiness quantitative analysis. Quantitative Forecasting (Time Series and ARIMA), Qualitative Forecasting (Delphi and AHP). Deterministic and Probabilistic Inventory Systems. Foundation of Input-output Analysis. Input-output Models at Regional Level. Multiplier in the output-input model. Implication analysis for agribusiness development.</i>
<i>Examination forms</i>	<i>Multiple choice, group presentation, essay, and journal review.</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).  Performance in theory (100%): Mid Term Exam (15%) Final Term Exam (15%) Individual quizzes (15%) Assignments (30%) Activity participation (5%) Project (20%)</i>

	<i>Performance in practicum (100%):</i> <i>Practicum exam (25%)</i> <i>Pre-test or post-test (15%)</i> <i>Oral presentation (10%)</i> <i>Class participation (10%)</i> <i>Assignments (30%)</i> <i>Mastery on course content (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Canci, JK et all. 2022. Quantitative Models in Life Science Business. Springer. New York.</i></li> <li>2. <i>Wang, F. 2015. 2015. Quantitative Methods and Socio-Economic Applications in GIS. CRC Press. London.</i></li> <li>3. <i>Pearson, S., C. Gotsch, and S. Bahri. 2003 Applications of the Policy Analysis Matrix in Indonesian Agriculture. Gramedia.</i></li> <li>4. <i>Florio, M and C. Pancotti. 2023. Applied Welfare Economics: Cost Benefit Analysis of Projects and Policies. 2<sup>nd</sup> Edition. Routledge, NY.</i></li> <li>5. <i>Kuncoro, M. 2011. Quantitative Methods: Theory and Application for Business and Economics. UPP STIM YKPN. Yogyakarta.</i></li> <li>6. <i>Wibowo, K. 2012. Economic Development Analysis. PT Karunika. Tangerang Selatan</i></li> <li>7. <i>Miller, R.E. and Blair, P.D. 2009. Input-Output Analysis: Foundation and Extensions. Cambridge University Press. Cambridge</i></li> <li>8. <i>Bahagia, S.N. 2006. Inventory System. Penerbit ITB. Bandung</i></li> <li>9. <i>Wang, X &amp; Hofe, R. 2017. Research Methods in Urban and Regional Planning. Springer &amp; Tsinghua University Press. New York.</i></li> <li>10. <i>Soldatos, J. 2022. Big Data and Artificial Intelligence in Digital Finance. Springer. New York.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>International Economics</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Novi Rosanti</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course for students interested in economics agriculture</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning) Practicum sessions (Case method, Project based learning, Simulation learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>1. Macro economics</i>
<i>Module objectives/intended learning outcomes</i>	<i>1. Students are able to study international economic concepts, international trade, and international trade policies. (C4) 2. Students are able to implement the theory of international economics in Indonesia and abroad. This includes the history of international economics, how policy of international trade and the international monetary system are developed, and how policy of international economics is evaluated. (P2)</i>
<i>Content</i>	<i>The scope of this international economics course is the basic concepts of international economics, theory of international trade, international finance, trade policy, international economic cooperation, balance of payments and exchange rate systems, as well as monetary aspects of international trade.</i>
<i>Examination forms</i>	<i>Multiple choice, group presentation, essay, and journal review.</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).  Performance in theory (100%): Mid Term Exam (15%) Final Term Exam (15%) Individual quizzes (15%) Assignments (30%) Activity participation (5%) Project (20%)</i>

	<p><i>Performance in practicum (100%):</i></p> <p><i>Practicum exam (25%)</i></p> <p><i>Pre-test or post-test (15%)</i></p> <p><i>Oral presentation (10%)</i></p> <p><i>Class participation (10%)</i></p> <p><i>Assignments (30%)</i></p> <p><i>Mastery on course content (10%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Hasyim, Ali Ibrahim. 2020. <i>Ekonomi Internasional</i>. Kencana. Jakarta</li> <li>2. Salvator, Dominick. 2011. <i>International Economics: Trade and Finance</i>. John Wiley &amp; Son. New Jersey.</li> <li>3. Krugman, Paul R., Obstfeld, Maurice., Melitz, Marc J. 2010. <i>International Economics: Theory &amp; Policy</i>, 11th Edition. Pearson Education. United Kingdom.</li> <li>4. Oktaviani, Rina., Novianty, Tanti., Widyastutik. 2014. <i>Kebijakan Perdagangan Internasional: Aplikasinya di Indonesia</i>. IPB Press. Bogor.</li> <li>5. Sudarmawan, Barianto Nur Asri. 2022. <i>The correlation of international trade and growth in Indonesia</i>. <i>Jurnal Ekonomi dan Pembangunan</i>, Vol. 30, No. 1, pp. 31-46</li> <li>6. Syahrani, Desi., Sitorus, Hanisa Novita Sari., Sitompul, Roma Sihol Marito. 2022. <i>The Influence of International Trade on Indonesia's Economic Growth</i>. <i>International Journal of Business and Applied Economics (IJBAE)</i> Vol. 1, No. 1, pp. 27-30</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Food and Nutrition Economics</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	Dr. Ir. Yaktiworo Indriani, M.Sc
<i>Language</i>	Indonesian language
<i>Relation to curriculum</i>	Compulsory course
<i>Teaching methods</i>	Lectures sessions (Blended learning, Discussion and Collaborative learning) Practicum sessions (Case method, Project based learning, Simulation learning)
<i>Workload (incl. contact hours, self-study hours)</i>	Contact hours : 14 weeks x 100 minutes (consisting of 10 minutes of opening, 20 minutes of initial lecture, 40 minutes of student group discussion, 15 minutes of question and answer, 5 minutes of closing lecture) Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes
<i>Credit points</i>	3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	1. Students are able to examine the application of the concept of sustainable development, institutions, and policies in the development of agribusiness in a comprehensive manner (C4) 2. Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)
<i>Content</i>	The scopes of this food and nutrition economics course are the foundation of nutrition economics and consumer behavior, the relation of economic variables with food and nutrition consumption, the element of nutrition as an element of welfare/poverty, the role of nutrition in economic development.
<i>Examination forms</i>	Oral presentation, essay, multiple choice, paper
<i>Study and examination requirements</i>	Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).  Performance in theory (100%): - Mid Exam (20%) - Final Exam (20%) - Individual quiz (15%) - Individual Assignments (30%) - Activity participation (15%)  Performance in practicum (100%): - Practicum exam (25%)



	<ul style="list-style-type: none"> <li>- Pre-test or post-test (15%)</li> <li>- Oral presentation (10%)</li> <li>- Class participation (10%)</li> <li>- Assignments (30%)</li> <li>- Penguasaan materi (10%)</li> </ul>
Reading list	<ol style="list-style-type: none"> <li>1. Davis, G.C and Serrano, E.L. 2016. <i>Food and Nutrition Economics: Fundamentals For Health Sciences</i>. Oxford University Press. New York, NY 10016, USA</li> <li>2. McIntosh, W.A. 1996. <i>Sociologies of Food and Nutrition</i>. Springer Science and Business media. Plenum Press. New York and London</li> <li>3. Frank, G. C. 2008. <i>Community Nutrition . Applying Epidemiology to Contemporary Practice</i>. Second Edition. Jones and Bartlett Publishers. Boston. Toronto. London. Singapore</li> <li>4. Dolan, Edwin G; David E. lindsly., 1989. <i>Macroeconomic</i>. 7th edition, The Dryden Press.</li> <li>5. Peraturan Menteri Kesehatan tentang Angka Kecukupan Gizi yang Dianjurkan Tahun 2019</li> <li>6. Utama, L.J., Sembiring , A.C., Nur, A. 2021. <i>Konsep Dasar Ekonomi Pangan dan Gizi</i>. CV. Media Sains Indonesia. Bandung Jawa Barat</li> <li>7. Baliwati, Y.F, A. Khomsan dan C. Meti Dwiriani. 2004,. <i>Pengantar Pangan dan Gizi</i>. Jakarta: Penebar Swadaya</li> <li>8. <i>Pedoman Penyusunan Pola Pangan Harapan (PPH)</i>.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Institutional Economics</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Novi Rosanti</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course for students interested in economics agriculture</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning) Practicum sessions (Case method, Project based learning, Simulation learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li><i>1. Students are able to examine the application of the concept of sustainable development, institutions, and policies in comprehensive agribusiness development (C4)</i></li> <li><i>2. Students are able to find problems faced by small, medium and large agribusiness actors from an institutional aspect (C3)</i></li> <li><i>3. Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</i></li> </ol>
<i>Content</i>	<i>The scope of the institutional economics course is the history, understanding and scope of institutional economic theory (institutional economics), some basic concepts (imperfect/expensive information, asymmetric information, conflict of interest, rent seek, collective action, good collective impact, free driving), externalities, inter-generational interdependence, property rights, property rights, the role of representation, enforcement, and transaction costs), the dual impact of goods/services in economic transactions and transaction costs, economics of property rights in the economy and transaction costs; essence of companies and markets, several institutional elements, institutions as a method of carrying out economic activities, specificity of assets and economic forms, issues of partnership in economic/agribusiness activities, agribusiness institutions and alternative power, farmer institutions, agribusiness institutional development strategies.</i>
<i>Examination forms</i>	<i>Multiple choice, essay, group presentation, journal review</i>

<p><i>Study and examination requirements</i></p>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Term Exam (15%)</i>  <i>Final Term Exam (15%)</i>  <i>Individual quizzes (15%)</i>  <i>Assignments (30%)</i>  <i>Activity participation (5%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Oral presentation (10%)</i>  <i>Class participation (10%)</i>  <i>Assignments (30%)</i>  <i>Mastery on course content (10%)</i></p>
<p><i>Reading list</i></p>	<ol style="list-style-type: none"> <li>1. Yustika AE. 2008b. <i>Ekonomi Kelembagaan: Definisi, Teori dan Strategi</i>. Malang (ID): Bayumedia Press.</li> <li>2. Furubotn EG, Richter R. 2000. <i>Institution and Economic Theory: The Contribution of the New Institutional Economics</i>. Ann Arbor: The University of Michigan Press.</li> <li>3. Menard, C., Shirley, MM., eds. 2005. <i>Handbook of New Institutional Economics</i>. Dordrecht: Springer.</li> <li>4. North DC. 1990. <i>Institutions, Institutional Change and Economic Performance</i>. Cambridge (UK): Cambridge University Press.</li> <li>5. Yeager TJ. 1999. <i>Institutions, transition economies, and economic development</i>. New York (US): Westview Press.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Managerial Economics</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dwi Haryono, M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to find problems faced by agribusiness actors both small, medium and large scale (C3)</i></li> <li>• <i>Students are able to plan and evaluate agricultural business professionally and innovatively (P3)</i></li> </ul>
<i>Content</i>	<i>This course provides students with knowledge, skills and abilities regarding the application of microeconomic principles for managerial decision making, including demand analysis and forecasting, production and cost analysis, pricing, market structure, and risk and uncertainty.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, paper, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Managerial Economics: Applied Microeconomics for Business Management, Third Edition, Lincoln Arsyad, 2000, BPFE, Yogyakarta.</i></li> <li>2. <i>Managerial Economics and Competitive Strategy, Tedy Herlambang, 2002, PT. Rajagrafindo Persada, Jakarta.</i></li> <li>3. <i>Managerial Economics, Volume I and Volume II, Sixth Edition, James L. Pappas and Mark Hirschey, 1995, Binarupa Script, Jakarta</i></li> <li>4. <i>Examples of Problems and Solving Managerial Economics: Guide to Solutions to Business Problems, Vincent Gaspersz, 2002, PT. Gramedia Pustaka Utama, Jakarta</i></li> </ol>

	<ol style="list-style-type: none"> <li>5. <i>Managerial Economics in a Global Economy, Second Edition, McGraw-Hill, Inc, New York.</i></li> <li>6. <i>Ronald W. Hilton, David E. Platt. 2014. Managerial Accounting: Creating Value in a Dynamic Business Environment Tenth edition. McGraw-Hill Education</i></li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agricultural Production Economics</i>
<i>Semester(s) in which the module is taught</i>	<i>6<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Fembriarti Erry Prasmatiw</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method) Practicum sessions (Discussion, Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to implement agribusiness theory, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> <li>• <i>Students are able to integrate agribusiness concepts (production facilities, farming, processing, marketing, and support) in agricultural businesses creatively, innovatively and professionally (P4)</i></li> <li>• <i>Students are able to analyse the application of sustainable development concepts, institutions, and policies in agribusiness development comprehensively (C4).</i></li> </ul>
<i>Content</i>	<i>The Production Economics course studies the Economics of Production. The concept of production function, the concept of cost function, the allocation of one variable input, production with two variable inputs, the basics of Cobb-Douglas function theory, production with two or more outputs, the production process over time, economic size and its implications for farming, introduction to decision-making theory.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (15%)</i>

	<p><i>Assignments (5%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Oral presentation (10%)</i>  <i>Class participation (10%)</i>  <i>Assignments (30%)</i>  <i>Mastery of material (10%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Doll, J.P. and F. Orazem. 1978. <i>Production Economics: Theory with Application</i>. John Wiley &amp; Sons. New York.</li> <li>2. Debertin, D.L. 1986. <i>Agricultural Production Economics. Second Edition</i>. Mc. Graw-Hill Inc. New York.</li> <li>3. Rasmussen, S. 2011. <i>Production Economics: The Basic Theory of Production Optimization</i>. Springer. New York</li> <li>4. Beatie, B.R and C, R, Taylor. 1994. <i>The Economics of Production</i>. trans. Jose Hardjono, S and Gunawan S. Gadjah Mada University Press, Yogyakarta</li> <li>5. Soekartawi. 1994. <i>Economic Theory of Production with the subject of Cobb-Douglas Function Analysis</i>. RajaGrafindo Persada, Jakarta.</li> <li>6. Capalbo, S.M., Antle, J.M. 1988. <i>Agricultural Productivity: Measurement and Explanation</i>. Resources for the Future. Washington DC.</li> </ol>

**Effective date** : Sept 2020

**Revision date** : May 2023

<i>Module designation</i>	<i>Regional Economics</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Teguh Endaryanto, S.P., M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning, Case Method Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to analyze the application of sustainable development concepts, institutions, and policies in agribusiness development comprehensively (C4)</i></li> <li>• <i>Students are able to apply theories and research results in the field of agribusiness in simulating economics, management, development with a scientific approach and scientific ethics (P2)</i></li> <li>• <i>Students are able to operate data analysis software, statistics, big data and digital information in the field of agribusiness (P2)</i></li> </ul>
<i>Content</i>	<i>Regional economics courses are given with the aim that students can understand various theories, central issues, and analytical methods that regional economic planners and researchers popularly use. Regional economics courses discuss Regional Economic Growth Theory, Company Location Theory, Growth Centers, Interregional Development Inequalities, Regional Economic Development Planning, Regional and Interregional Labor Market Analysis, Regional Economic Policy Analysis.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)  Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<i>1. Baldwin, R. E., &amp; Venables, A. J. (1995). Regional economic integration. Handbook of international economics, 3, 1597-1644.</i>



	<ol style="list-style-type: none"> <li>2. Capello, R. (2007). <i>Regional Economics</i> Routledge.</li> <li>3. Kuncoro, M. (2002). <i>Spatial and Regional Analysis: Indonesian Industrial Agglomeration and Cluster Study</i>. Yogyakarta: UPP-AMP YKPN.</li> <li>4. Kuncoro, M. (2004). <i>Regional Autonomy &amp; Development: Reform, Planning, Strategy and Opportunity</i>. Erlangga Publisher, Jakarta.</li> <li>5. Lincoln Arsad, (2002), <i>Regional Economics</i>, BPFE Yogyakarta.</li> <li>6. McCann, P. (2013). <i>Modern urban and regional economics</i>. Oxford University Press.</li> <li>7. Richardson, (1985), <i>Regional Economics Planning</i>.</li> <li>8. Robinson Tarigan, (2004), <i>Regional Economics</i>, Earth Literacy.</li> <li>9. Siegel, P. B., Johnson, T. G., &amp; Alwang, J. (1995). <i>Regional economic diversity and diversification</i>. <i>Growth and change</i>, 26(2), 261-284.</li> <li>10. Sjafrizal, (2014), <i>Regional and City Economics</i>, Rajagrafindo</li> <li>11. Priyarsono, Sahara, M. Firdaus (2007). <i>Regional Economy</i>. Publisher of the Open University, Jakarta.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Household Economics</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Maya Riantini, S.P., M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method) Practicum sessions (Discussion, Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and technical knowledge of agricultural aspects from upstream to downstream in a comprehensive manner (C2)</i></li> <li>• <i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</i></li> </ul>
<i>Content</i>	<i>This course is an elective course for students of the Agribusiness Study Program. This course provides students with an understanding of the basic knowledge of agricultural household economics which includes an economic approach in the analysis of human behaviour including theories, models, and methodologies, household economics analysis includes internal and external factors, the interrelationship of behaviour and family economic decisions, use and outpouring employment, production and income, consumption spending and household investment. Agricultural household subjective balance theory and household economic models in perfectly and imperfectly competitive markets.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i>

	<p> <i>Individual quiz (15%)</i>  <i>Assignments (5%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i> </p> <p> <i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Oral presentation (10%)</i>  <i>Class participation (10%)</i>  <i>Assignments (30%)</i>  <i>Mastery of material (10%)</i> </p>
Reading list	<ol style="list-style-type: none"> <li>1. Das, S., Mourmouras, A. &amp; Rangazas, P., 2015. <i>Economic Growth and Development A Dynamic Dual Economy Approach</i>. Switzerland : Springer.</li> <li>2. Ironmonger, D., 2019. <i>Household Production and the Household Economy</i>. Australia: The University of Melbourne Department of Economics.</li> <li>3. Rahim, A., Malik, A. &amp; Hastuti, D., 2019. <i>Household Economics of Small-Scale Fishermen with an Econometrics Perspective</i>. Makassar: UNM Publishing Agency.</li> <li>4. Varian, H., 2014. <i>Intermediate Microeconomics</i>. 9 ed. London: W. W. Norton &amp; Company.</li> <li>4. Wilk, R., 2019. <i>The Household Economy Reconsidering the Domestic Mode of Production</i>. New York: Routledge.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Business Law and Ethics</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Wuryaningsih Dwi Sayekti, M.S</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method) Practicum sessions (Discussion, Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to describe the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> <li>• <i>Students are able to integrate agribusiness concepts (production facilities, farming, processing, marketing and support) in agricultural business creatively, innovatively and professionally (P4)</i></li> <li>• <i>Students are able to formulate agribusiness development plans and strategies in a professional and innovative manner (P4)</i></li> </ul>
<b>Content</b>	<i>This course provides students with knowledge and skills on moral and legal principles in agribusiness practices so as to achieve business decisions and transactions that ensure business sustainability. The materials discussed in this course include the definition of law and ethics in business, several concepts of law and ethics in business and their relationship and application in business, especially in agriculture (agribusiness).</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Individual quiz (15%)</i> <i>Assignments (25%)</i> <i>Project (30%)</i>  <i>Performance in practicum (100%):</i> <i>Practicum exam (25%)</i> <i>Pre-test or post-test (10%)</i>

	<i>Oral presentation (10%)</i> <i>Class participation (25%)</i> <i>Assignments (30%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Asyhadie, Z. 2016. <i>Principles of Business Law and Its Implementation in Indonesia</i>. PT RajaGrafindo Persada, Jakarta.</li> <li>2. Byars, S.M. and Stanberry, K. 2018. <i>Business Ethics</i>. Openstax. Houston. Texas.</li> <li>3. Dacin, M.T., Harrison, J.F., Hess, D., Killian, S., and Ruloff, J. 2022. <i>Journal of Business Ethics</i>. ) 180:863–877.</li> <li>4. Gupta, C.B. and Kapoor, G.K. 2015. <i>Business Law, Ethics, &amp; Communication</i>. Sultan Chand &amp; Sons. India.</li> <li>5. Halberth, and Ingulli, E. 2018. <i>Law and Ethics in the Business Environment</i>. Cengage. Singapore.</li> <li>6. Lau, T. and Johnson, L. 2011. <i>The Legal and Ethical Environment of Business</i>. Saylor Foundation.</li> <li>7. Said, L.R. 2020. <i>Textbook of Business Ethics</i>. Lakeisha. Klaten.</li> <li>8. Tan, T.M. and Salo, J. 2021. <i>Ethical Marketing in the Blockchains-Based Sharing Economy: Theoretical Integration and Guiding Insight</i>. 183: 1.113–1.140</li> <li>9. Velasquez, M.G. 2005. <i>Business Ethics Concepts and Cases</i>. Translated by Purwaningsih, A. , Kurnianto, and Budisantoso, T. ANDI Yogyakarta</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Food and Nutrition Policy</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Yaktiwo Indriani, M.Sc</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended learning, Case method and discussion learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) (14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to examine the application of the concept of sustainable development, institutions, and policies in the development of agribusiness in a comprehensive manner (C4)</i></li> <li>• <i>Students are able to apply theory and research results in the field of agribusiness in economic, management, development simulations with a scientific approach and scientific ethics (P2)</i></li> </ul>
<i>Content</i>	<i>The Food and Nutrition Policy Course is an elective course at the Department of Agribusiness that students in semester 6 (six) can take in the Agribusiness Study Program FP UNILA with the aims that after attending this lecture students are expected to be able to understand of problems on food and nutrition in society, food and nutrition interventions, food and nutrition development, as well as the effectiveness of food and nutrition policies and programs.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (20%) Final Exam (20%) Assignments (25%) Individual quiz (20%) Activity (15%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Indriani, Y. 2019. Gizi dan Pangan. Buku Ajar. Aura Publishing, Bandar Lampung.</i></li> <li>2. <i>Astika T. 2021. Modul Perkuliahan Kebijakan Dan Advokasi Gizi . UM Jakarta Press. Jakarta.</i></li> <li>3. <i>Byrd-Bredbenner, C et al. 2021. Wardlaw&amp;#39;s Perspectives in Nutrition, 12th Ed. McGraw Hill.</i></li> <li>4. <i>Gibson, Rosalind S. 2005. Principles of Nutritional Assessment. 2nd Ed. Oxford University Press, New York.</i></li> </ol>

	<ol style="list-style-type: none"> <li>5. Lee, R., Nieman, D. 2012. <i>Nutritional Assessment</i>. 6th Ed. McGraw-hill UsHigher Ed</li> <li>6. de Onis M et al. 2018. <i>Prevalence thresholds for wasting, overweight and stunting in children under 5 years</i>. <i>Public Health Nutrition</i>, October 2018.</li> <li>7. Kementerian Perencanaan Pembangunan Nasional/Badan Perencanaan Pembangunan Nasional. 2019. <i>Rancangan Rencana Pembangunan Jangka Menengah Nasional (RPJMN) 2020 – 2024</i>. Bappenas, Jakarta</li> <li>8. Mcintosh, W.A. 1996. <i>Sociologies of Food and Nutrition</i>. Springer Science and Business media. Plenum Press. New York and London</li> <li>9. Frank, G. C. 2008. <i>Community Nutrition . Applying Epidemiology to Contemporary Practice</i>. Second Edition. Jones and Bartlett Publishers. Boston. Toronto. London. Singapore</li> <li>10. <i>Papers on Food and Nutrition Policy</i> Lau, T. and Johnson, L. 2011. <i>The Legal and Ethical Environment of Business</i>. Saylor Foundation.</li> <li>11. Said, L.R. 2020. <i>Textbook of Business Ethics</i>. Lakeisha. Klaten.</li> <li>12. Tan, T.M. and Salo, J. 2021. <i>Ethical Marketing in the Blockchains-Based Sharing Economy: Theoretical Integration and Guiding Insight</i>. 183: 1.113–1.140</li> <li>13. Velasquez, M.G. 2005. <i>Business Ethics Concepts and Cases</i>. Translated by Purwaningsih, A. , Kurnianto, and Budisantoso, T. ANDI Yogyakarta</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Business Organization's Behaviour</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr.Ir. Wuryaningsih Dwi Sayekti,M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning, Problem Based Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to describe the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> <li>• <i>Students are able to implement agribusiness theory, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> <li>• <i>Students are able to formulate agribusiness development plans and strategies in a professional and innovative manner (P4)</i></li> </ul>
<i>Content</i>	<i>An elective course taught by the Agribusiness Study Program, Agribusiness Department, Faculty of Agriculture, Unila Discusses the definition and model of organisational behaviour, the basics of individual behaviour, the effectiveness of business organisations, the basics of group behaviour, and organisational systems, as well as organisational dynamics.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (25%)</i> <i>Individual quiz (20%)</i> <i>Activity (15%)</i>



Reading list	<ol style="list-style-type: none"> <li>1. Shani, A.B.R., Chandler, D., Coget, J-F., and Lau, J.B. 2009. <i>Behaviour in Organization An Experiential Approach</i>. 9 ed. McGraw -Hill International. Singapore</li> <li>2. Luthans, F. 2011. <i>Organizational Behaviour. An Evidence-Based Approach</i>. Twelfth ed. McGraw -Hill International. Singapore</li> <li>3. Ivancevich, J.M., Konopaske, R., and Matteson, M.T. 2011. <i>Organizational Behaviour and Management</i>. 9 th ed. McGraw -Hill International. Singapore.</li> <li>4. Lussier, R.N. 2008. <i>Human Relations in Organizations</i>. 7th ed. McGraw -Hill International New York.</li> <li>5. Kreitnerr, R. dan Kinicki, A. 2010. <i>Organizational Behaviour</i>. Ninth edition. McGraw-Hill International. United States of America.</li> <li>6. Gibson, J.L., J.M. Ivancevich, and J.H. Donnelly. 2004. <i>Organization</i>. Translated by Nunuk Adiarni. Script Formation. Jakarta.</li> <li>7. McShane, S.L. and M.A.V. Glinow. <i>Organizational Behaviour</i>. McGraw-Hill. New York.</li> <li>8. Robbins, S.P. 2007. <i>Organizational Behaviour</i>. Translated by Benjamin Molan. Index Issuer. Jakarta.</li> <li>9. Wibowo. 2016. <i>Behavior in Organizations</i>. PT Raja Grafindo Persada. Jakarta.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Operational Research</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Muhammad Irfan Affandi, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method) Practicum sessions (Discussion, Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>Introduction to Economics</i>
<i>Module objectives/intended learning outcomes</i>	<i>1. Students are able to demonstrate theory in the field of agribusiness that is relevant in simulating agribusiness practices and agricultural development (C3) 2. Students are able to formulate various alternative solutions to problems in the field of agribusiness in a professional manner (P4)</i>
<i>Content</i>	<i>This course is an elective course. This course provides students with an understanding of Operational Research . The discussion starts from Optimization models and linear programming, Transport and Assignment, Integer Programming, Game Theory, Nonlinear Programming, PERT/CPM Network Model, Queuing Theory and Simulation, Markov Chain and Dynamic Programming. Use of Operations Research in solving agribusiness management cases.</i>
<i>Examination forms</i>	<i>Multiple choice, group presentation, essay, and journal review.</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).  Performance in theory (100%): Mid Term Exam (15%) Final Term Exam (15%) Individual quizzes (15%) Assignments (30%) Activity participation (5%) Project (20%)</i>

	<p><i>Performance in practicum (100%):</i></p> <p><i>Practicum exam (25%)</i></p> <p><i>Pre-test or post-test (15%)</i></p> <p><i>Oral presentation (10%)</i></p> <p><i>Class participation (10%)</i></p> <p><i>Assignments (30%)</i></p> <p><i>Mastery on course content (10%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Taha, H.A. 2017. <i>Operations Research An Introduction. Tenth Edition.</i> Pearson. London.</li> <li>2. Florio, M and C. Pancotti. 2023. <i>Applied Welfare Economics: Cost Benefit Analysis of Projects and Policies. 2<sup>nd</sup> Edition.</i> Routledge, NY.</li> <li>3. Kerami, D. 2013. <i>1st Operational Research.</i> Penerbit Universitas Terbuka. Tangerang Selatan.</li> <li>4. Soedijono, B. 2013. <i>2nd Operational Research.</i> Penerbit Universitas Terbuka. Tangerang Selatan.</li> <li>5. Martono, R. 2015. <i>Integrated Logistic Management.</i> Penerbit PPM Jakarta.</li> <li>6. Taylor III, B.W. 2010. <i>Introduction to Management Science.</i> Pearson. New Jersey</li> <li>7. Ahoy, C. 2009. <i>Customer-Driven Operations: Aligning Quality Tools and Business Processes for Customer Excellence.</i> McGraw Hill. New York.</li> <li>8. Soldatos, J. 2022. <i>Big Data and Artificial Intelligence in Digital Finance.</i> Springer. New York.</li> <li>9. Maarif, S &amp; Nuraisyah, A. 2021. <i>Bio-Business System, Creating New Entrepreneurs and New Ventures.</i> IPB Press. Bogor.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Multivariate Statistics</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Dyah Aring Hepiana Lestari, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory Course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method) Practicum sessions (Discussion, Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to overcome problems in the field of agribusiness with a scientific approach and scientific ethics (C3)</i></li> <li>• <i>Students are able to simulate data, big data, and information technology in agriculture (P3)</i></li> </ul>
<i>Content</i>	<i>This course studies methods or statistical tests related to problems with more than one variate (multivariate). Topics covered include multivariate aspects, random matrix and random vector algebra, random samples, multivariate normal distribution, inference of vector means, multivariate mean difference tests (two groups, one and two way ANOVA), multivariate regression models, path analysis, principal component analysis, factor analysis, canonical correlation analysis, discriminant analysis, and group analysis.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (15%)</i> <i>Assignments (5%)</i> <i>Activity participation (30%)</i> <i>Project (20%)</i>  <i>Performance in practicum (100%):</i>

	<i>Practicum exam (25%)</i> <i>Pre-test or post-test (15%)</i> <i>Oral presentation (10%)</i> <i>Class participation (10%)</i> <i>Assignments (30%)</i> <i>Mastery of the material (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Hair, J.E., Anderson , R.E, Tatham, R.T., and Black, W.C. 1998. Multivariate Data Analysis. Prentice Hall. New Jersey.</i></li> <li>2. <i>Johnson, R.A and Wichern D.W. 1992. Applied Multivariate Statistical Analysis. Prentice Hall. New Jersey.</i></li> <li>3. <i>Karson, M.J. 1982. Multivariate Statistical Methods. The Iowa State University Press. Iowa, USA.</i></li> <li>4. <i>Suyanto. 1988. Metode Statistika Multivariat. Dikti Depdiknas. Jakarta.</i></li> <li>5. <i>Santoso, S. 2010. Statistika Multivariat. Konsep dan Aplikasi dengan SPSS. Penerbit PT Elex Media Komputindo. Jakarta.</i></li> <li>6. <i>Supranto, J. 2004. Analisis Multivariat. Arti dan Interpretasi. Penerbit PT Rineka Cipta. Jakarta.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agricultural Policy Analysis</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Zainal Abidin</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course for students interested in agricultural policy analysis.</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method) Practicum sessions (Discussion, Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>1. Agricultural Development 2. Introduction to Economics 3. Micro and Macro Economics</i>
<i>Module objectives/intended learning outcomes</i>	<i>1. Students are able to implement the theory of agricultural policy in Indonesia and abroad. This includes the history of policy, how policy is developed, and how policy is evaluated. (P3) 2. Students are able to determine alternative solutions to problems faced by agricultural policy makers at local/provincial as well as national level (C3) 3. Students are able to develop an agricultural policy matrix to figure out the effect of various policies such as subsidy, trade, exchange rate, international price, as well as interest rate on competitiveness of agricultural commodities. (P3)</i>
<i>Content</i>	<i>This course is an elective course. The students interested in analysing commodity competitiveness, fiscal policy, exchange rate, government subsidy on input and output are encouraged to register for this course.</i>  <i>Extensive work on developing Policy Analysis Matrix (PAM) table involved in this course The table PAM consists of Private and Social Identity, and divergences rows. Further, divergences of private and social in terms of tradeable input, non-tradeable input, land rent, and profit are identified.</i>  <i>Further analysis from PAM table are taught such as DRCR (Domestic Resource Cost Ratio), PC (Private Cost) ratio, NPCO (Net Protection Coefficient on Output), NPCI (Net Protection Coefficient on Input) to determine competitiveness of local commodities in the global market.</i> <i>In addition, update data of global commodity prices, derived from pink sheet data of the World Bank as well as BPS (Central Agency of Statistic) are also reviewed and placed in determining social price.</i>

<i>Examination forms</i>	<i>Multiple choice, group presentation, essay, and journal review.</i>
<i>Study and examination requirements</i>	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Term Exam (15%)</i>  <i>Final Term Exam (15%)</i>  <i>Individual quizzes (15%)</i>  <i>Assignments (30%)</i>  <i>Activity participation (5%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Oral presentation (10%)</i>  <i>Class participation (10%)</i>  <i>Assignments (30%)</i>  <i>Mastery on course content (10%)</i></p>
<i>Reading lists</i>	<ol style="list-style-type: none"> <li><i>1. Arifin, Bustanul. 2015. Agricultural Development Economics. Second printing. Bogor: IPB Press Publisher.</i></li> <li><i>2. Ellis, Frank. 1994. Agricultural Policies in Developing Countries. New York: Cambridge University Press.</i></li> <li><i>3. Florio, M and C. Pancotti. 2023. Applied Welfare Economics: Cost Benefit Analysis of Projects and Policies. 2nd Edition. Routledge, NY.</i></li> <li><i>4. Monke, Eric and Scott Pearson. 1989. The Policy Analysis Matrix for Agricultural Development. Ithaca and London: Cornell University Press.</i></li> <li><i>5. Norton, Roger. 2004. Agricultural Development Policy: Concepts and Experience. West Sussex: John Wiley and Sons Ltd.</i></li> <li><i>6. Norton, George, Jeffrey Alwang, and William A Masters. 2010. Economics of Agricultural Development: World Food Systems and Resource Use. Second Edition. New York: McGraw-Hill</i></li> <li><i>7. Pearson, S., C. Gotsch, and S. Bahri. 2003 Applications of the Policy Analysis Matrix in Indonesian Agriculture. Gramedia.</i></li> <li><i>8. Pink sheet data at <a href="http://www.worldbank.org">www.worldbank.org</a></i></li> <li><i>9. Swinnen, Johan. 2018. The Political Economy of Agricultural and Food Policies. Palgrave Macmillan, New York</i></li> <li><i>10. Guo, L., Li, H., Cao, Xu., Cao, A., Huang, M., Effect of agricultural subsidies on the use of chemical fertilizer. J. Of Environmental Management, Vol 299 No 1, 2021.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Operation and Production Management</i>
<i>Semester(s) in which the module is taught</i>	<i>4<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr.Ir. Wuryaningsih Dwi Sayekti,M.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning, Case Method Learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to integrate agribusiness concepts (production facilities, farming, processing, marketing, and support) in agricultural businesses creatively, innovatively and professionally (P4)</i></li> <li>• <i>Students are able to find problems faced by small, medium and large scale agribusiness actors (C3)</i></li> <li>• <i>Students are able to make planning and evaluation of agricultural businesses in a professional and innovative manner (P3)</i></li> </ul>
<i>Content</i>	<i>An elective course for students of PS Agribusiness Faculty of Agriculture Unila who take an interest in agribusiness management. This course is taught by the Agribusiness Department, for fourth, sixth, and eighth semester students. This course discusses: Operations and Productivity, Goods and Services Operations Strategy, Selection of Location Strategy, Inventory Management for Dependent Demand, Inventory Management for Independent Demand, Supply Chain Management, Project Scheduling and Costing with PERT and CPM.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (10%) Activity (10%)</i>



<p><i>Reading list</i></p>	<ol style="list-style-type: none"> <li>1. Donald J. Bowersox, et al. <i>Supply Chain Logistics Management</i>. McGraw Hill. 2002.</li> <li>2. Levi, D. S., Kaminsky, P., &amp; Levi, E. S. 2004. <i>Managing The Supply Chain: The Definitive Guide for The Business Professional</i>. McGraw-Hill. New York.</li> <li>3. Render B, Heizer J. 2011. <i>Operations Management</i>. Salemba Four. Jakarta</li> <li>4. Kumar, S. Anil and Suresh. 2008. <i>Productions and Operations Management</i>. New Age International Publisher. New Delhi.</li> <li>5. Handoko, H.T. 2000. <i>Fundamentals of Production and Operations Management</i>. BPFE. Yogyakarta.</li> <li>6. Harjanto, Eddy. 1999. <i>Production and Operations Management</i>. Grasindo. Jakarta.</li> <li>7. Normalina, Rita. 2014. <i>Marketing Concepts and Applications</i>. Bogor: Publisher IPB Press.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Strategic Management</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. M. Irfan Affandi, M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Compulsory course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to find problems faced by small, medium and large scale agribusiness actors (C3)</i></li> <li>• <i>Students are able to formulate agribusiness development plans and strategies in a professional and innovative manner (P4)</i></li> </ul>
<i>Content</i>	<i>Strategic Management is an elective course in the Agribusiness Study Program, Department of Agribusiness, Faculty of Agriculture, University of Lampung. The Strategic Management course is a course that encourages students to learn about the theories and concepts of Strategic Management in various development sectors (social, economic, and environmental). In addition to learning to understand theoretical matters, students will also learn various practical knowledge in the form of approaches, methods and techniques that can be applied to development activities that are based on the approach of development, empowerment and community participation.</i>
<i>Examination forms</i>	<i>Oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (15%) Individual quiz (25%) Class Participation (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>David, F. R., F. R. David. 2017. Strategic Management : A Competitive Advantage Approach, Concepts and Cases. Pearson Education Limited. Boston.</i></li> </ol>

	<ol style="list-style-type: none"> <li>2. <i>Mudrajad Kuncoro. 2006. Strategy: How to Achieve Competitive Advantage. Erlangga Publisher. Jakarta.</i></li> <li>3. <i>Musa Hubeis &amp; M. Najib. 2008. Strategic Management in the Development of Organizational Competitiveness. Elex Media Komputindo. Jakarta.</i></li> <li>4. <i>Triton PB. 2011. Strategic Management: Corporate and Business Applied. Oryza. Jakarta.</i></li> <li>5. <i>Sholihin. 2014. Manajemen Strategik. Jakarta.</i></li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Business Avocation and Negotiations</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Ir. Adia Nugraha, M.S</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning, ) Practicum sessions (Project based learning, Simulation learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to describe the concept of human literacy (ethics, communication, negotiation, leadership, innovation and creativity) (C2)</i></li> <li>• <i>Students are able to practice agricultural business from upstream to downstream professionally based on digital technology (C4)</i></li> <li>• <i>Students are able to formulate agribusiness development plans and strategies in a professional and innovative manner (P4)</i></li> </ul>
<i>Content</i>	<i>An elective course for students of PS Agribusiness Faculty of Agriculture Unila who take an interest in agribusiness management. This course is taught by the Agribusiness Department, for fourth, sixth, and eighth semester students. This course discusses: the definition of business negotiation and advocacy, effective negotiation process, the role of presentation in business negotiation and advocacy, how to handle conflict, preparation of business contracts, advocacy process, evaluation of advocacy impact, business advocacy cases in Indonesia, and the role of mass media in business advocacy.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (17,5%)</i> <i>Final Exam (17,5%)</i> <i>Individual quiz (10%)</i> <i>Assignments (20%)</i> <i>Activity participation (30%)</i>

	<p><i>Activity (5%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (10%)</i>  <i>Class participation (35%)</i>  <i>Assignments (30%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Jean M. Phillips and Stanley M. Gully: <i>Strategic Staffing (3rd Edition)</i>. Pearsons</li> <li>2. Hofstede, Geert. 2010. <i>Cultures and Organization</i>, McGraw Hill.</li> <li>3. Samovar, Larry A. 2013. <i>Communications Between Cultures</i>, Wadsworth Cengage Learning. (8 editions).</li> <li>4. Readon, Kathleen Kaleey. 2004. <i>The Skilled Negotiation: Mastering the Language of Engagement</i>. Jossey Bass. <a href="http://www.josseybass.com">www.josseybass.com</a></li> <li>5. Kennedy, Scott. 2005. <i>The Business of Lobbying in China</i>. Harvard University Press. Cambridge, Massachusetts London England.</li> <li>6. Curtis, D.B. , Floyd, J.J., and Winsor J.L. 1998. <i>Business and Professional Communication</i>. P.T. Rosdakarya youth. Bandung.</li> <li>7. Dawson, R. 2018. <i>The Art of Negotiation. Sophisticated Art to Boost Your Success</i>. P.T. Main Library Gramedia. Jakarta.</li> <li>8. Sharma, R.R. 2004. <i>Introduction to Advocacy: An Exercise Guide</i>. Indonesian Torch Foundation. Jakarta.</li> <li>9. Alwi, S. 2013. <i>Conflict Resolution and Business Negotiations</i>. BPFE. Yogyakarta.</li> <li>10. Ruben, B.D. and Stewart L.P. <i>Communication and Human Behavior</i>. PT RajaGrafindo Perkasa. Jakarta.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agribusiness Practices</i>
<i>Semester(s) in which the module is taught</i>	<i>7<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Wuryaningsih Dwi Sayekti, M.S</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Practicum sessions (Project based learning, Simulation learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Practicum sessions: 14 weeks x 3 x 170 minutes</i>
<i>Credit points</i>	3 (0-3) CP or 4.76 (ECTS) ((14 weeks x 3 x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>● <i>Students are able to practice agricultural business from upstream to downstream professionally based on digital technology</i></li> <li>● <i>Students are able to find problems faced by small, medium and large scale agribusiness actors</i></li> </ul>
<i>Content</i>	<i>This course is a compulsory course for students of the Agribusiness Study Program. This course can be taken in odd or even semesters, namely in semester V or VI with the prerequisites of passing the Indonesian Language and Basic Statistics courses. After passing this course, students are expected to be able to complete a series of research processes, starting from making research proposals, conducting research, preparing research reports, to presenting research results. In order to achieve this goal, students will be equipped with relevant learning materials.</i>
<i>Examination forms</i>	<i>oral presentation, paper, product</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (0%) and lab (practicum) (100%).</i>  <i>Performance in practicum (100%):</i> <i>Logbook (10%)</i> <i>Marketing Online (Instagram) (5%)</i> <i>Presentation (10%)</i> <i>Class participation (20%)</i> <i>Video Product (5%)</i> <i>Document (20%)</i> <i>Business Plan (30%)</i>
<i>Reading list</i>	1. <i>Carpenter, K. 2021. Introduction to Entrepreneurship. <a href="https://kpu.pressbooks.pub/">https://kpu.pressbooks.pub/</a></i> 2. <i>Hisrich, R.D., Peters, M.P. Shepherd, D.A. 2010. Entrepreneurship. 8th edition. McGraw Hill. Singapore</i>

	<ol style="list-style-type: none"> <li>3. Kuratko, D.F. 2009. <i>Introduction to Entrepreneurship</i>. SOUTH-WESTERN CENGAGE Learning</li> <li>4. Scarborough, N.M. and Zimmerer, T.W. 2006. <i>Effective Small Business Management</i>. Prentice Hall. New Jersey.</li> <li>5. Alma, B. 2005. <i>Entrepreneurship for students and the general public</i>. Alfabeta. Bandung .</li> <li>6. Bamford, Charles and Bruton, Garry. 2015. <i>ENTREPRENEURSHIP: The Art, Science, and Process for Success</i>. McGraw Hill</li> <li>7. Suparyanto, R.W. 2012. <i>Entrepreneurship (Concept and Reality in small businesses)</i>. Alfabeta. Bandung.</li> <li>8. Suryana, Y. and Kartib, W. 2010. <i>Entrepreneurship (Approach to Characteristics of Successful Entrepreneurs)</i>. Prenada Media Group.</li> <li>9. Sunarya, PA. Sudaryono. Saefullah, A. 2011. <i>Entrepreneurship</i>. ANDI Yogyakarta. Yogyakarta.</li> <li>10. Suarweni, VW. 2015. <i>Cost Accounting (Theory and Application)</i>. New Press Library. Yogyakarta.</li> <li>11. Suarweni, VW. 2019. <i>MSME Accounting (Micro, Small and Medium Enterprises)</i>. PT. Pustaka Baru. Yogyakarta.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Consumer's Behaviour</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	Dr. Ir. Yaktiwo Indriani, M.Sc
<i>Language</i>	Indonesian language
<i>Relation to curriculum</i>	Elective Course
<i>Teaching methods</i>	Lectures (Blended Learning, Discussion and Project Based Learning) Practicum sessions (Discussion, Project Based Learning)
<i>Workload (incl. contact hours, self-study hours)</i>	Contact hours : 14 weeks x 100 minutes (consisting of 10 minutes of opening, 20 minutes of initial lecture, 40 minutes of student group discussion, 15 minutes of question and answer, 5 minutes of closing lecture) Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes
<i>Credit points</i>	3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• Students are able to integrate agribusiness concepts (production facilities, farming, processing, marketing and support) in agricultural business creatively, innovatively and professionally (P4)</li> <li>• Students are able to overcome problems in the field of agribusiness with a scientific approach and scientific ethics (P4)</li> <li>• Students are able to find problems faced by agribusiness actors both small, medium and large scale (C3)</li> </ul>
<i>Content</i>	The Consumer Behavior Course is an elective subject for the Department of Agribusiness that can be taken by students in the 4th (fourth) semester of the Agribusiness Study Program, FP UNILA, with the aim that after attending this lecture students are expected to be able to have knowledge, understanding and understanding of the definition of consumer behaviour, the scope of consumer behaviour, the relationship between consumer behaviour and decision making and marketing strategy as well as the development of products and services by producers and marketers, then able to conduct research in the field of consumer behaviour.
<i>Examination forms</i>	oral presentation, essay, multiple choice, paper
<i>Study and examination requirements</i>	Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).  Performance in theory (100%): Mid Exam (17,5%)



	<p> <i>Final Exam (17,5%)</i>  <i>Individual quiz (10%)</i>  <i>Assignments (20%)</i>  <i>Activity participation (30%)</i>  <i>Activity (5%)</i> </p> <p> <i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (10%)</i>  <i>Class participation (35%)</i>  <i>Assignments (30%)</i> </p>
Reading list	<ol style="list-style-type: none"> <li>1. Sumarwan, U. 2018. <i>Perilaku Konsumen : Teori dan Penerapannya dalam Pemasaran</i>. Ghalia Indonesia. Jakarta: 368 pp.</li> <li>2. Schiffman, L.G., &amp; Kanuk, L.L. 2010. <i>Consumer Behaviour (10th ed)</i>. New Jersey, Pearson Prentice Hall.</li> <li>3. Engel, J.F., Blackwell, R.D. and Miniard, P.W. 1995. <i>Consumer Behavior</i>. 6th Edition, Dryden Press, Chicago, New York.</li> <li>4. Mowen, J.C. and Minor, M. 1998. <i>Consumer Behavior</i>. Prentice-Hall, Inc., Upper Saddle River.</li> <li>5. Kotler P &amp; Armstrong G. 2001. <i>Principles of Marketing</i>. Prentice Hall of India Pvt Ltd.</li> <li>6. Kotler P. 2002. <i>Marketing Management</i>. Prentice Hall Of India Pvt. Ltd.</li> <li>7. Mangkunegara, A.P. 2002. <i>Perilaku Konsumen</i>. Edisi Revisi. Refika Aditama. Bandung.</li> <li>8. Prasetyo R, Ihalauw JJOI. 2005. <i>Perilaku Konsumen</i>. Penerbit Andi. Yogyakarta: 257 pp.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Regional Planning and Development</i>
<i>Semester(s) in which the module is taught</i>	5 <sup>th</sup>
<i>Person responsible for the module</i>	Dr. Teguh Endaryanto, S.P., M.Si.
<i>Language</i>	Indonesian language
<i>Relation to curriculum</i>	Elective Course
<i>Teaching methods</i>	Lectures sessions (Blended learning, Discussion and Collaborative learning) Practicum sessions (Case method, Project based learning)
<i>Workload (incl. contact hours, self-study hours)</i>	Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes
<i>Credit points</i>	3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• Students are able to analyze the application of sustainable development concepts, institutions, and policies in agribusiness development comprehensively (P2)</li> <li>• Students are able to solve problems in the field of agribusiness with a scientific approach and scientific ethics (P4)</li> <li>• Students are able to formulate agribusiness development plans and strategies in a professional and innovative manner (P4)</li> </ul>
<i>Content</i>	Students can master the concept of regional planning and its application in learning planning dimensions and functions, development principles and regional development planning, development components and regional development planning, planning cycles and hierarchies, basic concepts of spatial patterns and structures, compilation and determination of RTRW principles of agriculture and industry, principles of agropolitan and settlement planning, rural and urban planning models, basic concepts of agropolitan planning and settlement planning, case studies of development planning in rural and urban areas.
<i>Examination forms</i>	Discussion, essay, multiple choice, paper, oral presentation
<i>Study and examination requirements</i>	Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%). Performance in theory (100%):  Mid Exam (15%) Final Exam (15%) Individual quiz (15%)

	<p> <i>Assignments (5%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i> </p> <p> <i>Performance in practicum (100%):</i>  <i>Mid practicum exam (15%)</i>  <i>Final practicum exam (15%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Class participation (10%)</i>  <i>Assignments (45%)</i> </p>
Reading list	<ol style="list-style-type: none"> <li>1. <i>Ernan Rustiadi, et al, 2009. Regional Planning and Development. Jakarta: Crestpent Press.</i></li> <li>2. <i>Glasson, J., &amp; Marshall, T. (2007). Regional planning. Routledge.</i></li> <li>3. <i>Hall, P., &amp; Tewdwr-Jones, M. (2010). Urban and regional planning. Routledge.</i></li> <li>4. <i>Lutfi Muta'ali, 2011. Capita Selecta for Regional Development. Yogyakarta: BPFG UGM</i></li> <li>5. <i>Lutfi Muta'ali, 2013. Regional and City Spatial Planning (Normative-Technical Review). Yogyakarta: BPFG UGM</i></li> <li>6. <i>Mudrajat Kuncoro, 2001. Spatial and Regional Analysis. Yogyakarta. UPP AMP YKPN</i></li> <li>7. <i>Schmidt, S. (2009). Land use planning tools and institutional change in Germany: Recent developments in local and regional planning.</i></li> <li>8. <i>Schmidt, S., &amp; Buehler, R. (2007). The planning process in the US and Germany: A comparative analysis. International planning studies, 12(1), 55-75.</i></li> <li>9. <i>Stimson, R. J., Stough, R. R., &amp; Roberts, B. H. (2006). Regional economic development: analysis and planning strategy. Springer Science &amp; Business Media.</i></li> <li>10. <i>Tammi, I., Mustajärvi, K., &amp; Rasinmäki, J. (2017). Integrating spatial valuation of ecosystem services into regional planning and development. Ecosystem Services, 26, 329-344.</i></li> <li>11. <i>Wiranatha, A. A. P. A. S. (2001). A systems model for regional planning towards sustainable development in Bali, Indonesia. University of Queensland.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agribusiness Policy and Strategy</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Zainal Abidin, M.E.S.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>1. Agricultural Development 2. Introduction to Agribusiness</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to analyse the application of sustainable development concepts, institutions, and policies in agribusiness development comprehensively (C4)</i></li> <li>• <i>Students are able to apply theories and research results in the field of agribusiness in simulating economics, management, development with a scientific approach and scientific ethics (P2)</i></li> <li>• <i>Students are able to formulate agribusiness development plans and strategies in a professional and innovative manner (P4)</i></li> </ul>
<i>Content</i>	<i>Agribusiness Strategy and Policy Course is an elective course of the Faculty of Agriculture, University of Lampung which can be taken in the VI semester. The course outlines ranges of agribusiness strategic issues such as: issue in manpower, issues in marketing and marketing mix, issues in process decision making, issues in how business organisation adapts with environmental issues, competition, and changing in government policies This course is a course that encourages students to learn about the theories and concepts of Business Strategy and Policy. In addition to learning to understand theoretical matters, students will also learn best practices of agribusiness activities, especially for Small Medium Agribusiness Enterprises.</i>
<i>Examination forms</i>	<i>essay, oral presentation, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)  Mid Exam (25%) Final Exam (25%) Assignments (25%) Individual quiz (20%) Class Participation (5%)</i>

<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Suyanto. 2016. Business Planning and Development. Open University Publishers.</i></li> <li>2. <i>Djamhur Hamid and Zainul Arifin. 2016. Business Policy. Open University Publishers.</i></li> <li>3. <i>Agus Hermawi. 2014. Production Policy and Strategy. Open University Publishers.</i></li> <li>4. <i>Eko Widodo. 2009. Marketing Policy and Strategy. Open University Publishers.</i></li> <li>5. <i>TL Wheelen and JD Hunger. 1986. Strategic Management and Business Policy. Addison Wesley. Massachusetts.</i></li> <li>6. <i>Frank Ellis. 1992. Agricultural Policies in Developing Countries. Cambridge University Press. New York.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agribusiness Geographic Information System</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Teguh Endaryanto, S.P., M.Si.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning) Practicum sessions (Case method, Project based learning, Simulation learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practice : 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes): 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>STudents are able to examine the application of the concept of sustainable development, institutions, and policies in the development of agribusiness in a comprehensive manner</i></li> <li>• <i>Students are able to simulate data, big data, and information technology in agriculture</i></li> </ul>
<i>Content</i>	<i>The Geographic Information Systems course discusses the general understanding of GIS; GIS development history; understanding of data, information and information systems; basic concepts and components of GIS; real world representation into GIS; Geodesy concept for spatial (spatial) data; database management concept in GIS; spatial analysis methods; mapping function in GIS; link between Remote Sensing and GIS; the concept of Digital Terrain Model (DTM); Global Positioning System (GPS); and GIS applications in the field of urban and regional planning.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%). Performance in theory (100%):</i> <p> <i>Mid Exam (15%)  Final Exam (15%)  Individual quiz (15%)  Assignments (5%)  Activity participation (30%)  Project (20%)</i> </p>

	<p><i>Performance in practicum (100%):</i>  <i>Mid practicum exam (15%)</i>  <i>Final practicum exam (15%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Class participation (10%)</i>  <i>Assignments (45%)</i></p>
Reading list	<ol style="list-style-type: none"> <li>1. Adil, A. 2017. <i>Geographic Information System</i>. Penerbit ANDI. Yogyakarta</li> <li>2. Maskun, Masluh, M., Resmiawati E.N., Tasdik, K., Muhafidin, D., Undang, G., and Putra, O.N. 2020. <i>Geographic Information System (GIS): Potential mapping of agribusiness in Southern part of West Java</i>. <i>Journal of Physics: Conference Series</i>, Volume 1869, 2nd Annual Conference of Science and Technology (ANCOSSET 2020).  <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1869/1/012102/meta">https://iopscience.iop.org/article/10.1088/1742-6596/1869/1/012102/meta</a></li> <li>3. Li, R., Wei, C., Afroz, M.D., Lyu, J., and Chen, G. 2021. <i>A GIS-based framework for local agricultural decision-making and regional crop yield simulation</i>. <i>Agricultural Systems</i>, 193.  <a href="https://www.sciencedirect.com/science/article/abs/pii/S0308521X21001669">https://www.sciencedirect.com/science/article/abs/pii/S0308521X21001669</a></li> <li>4. Awangga, R.M. 2019. <i>Pengantar Sistem Informasi Geografis: Sejarah, Definisi dan Konsep Dasar</i>. Deepublish. Bandung.</li> <li>5. Budiyanto, E. 2002. <i>Sistem Informasi Geografis menggunakan ARCVIEW GIS</i>. Andi Offset. Yogyakarta.</li> <li>6. Irwansyah, E. 2013. <i>Sistem Informasi Geografis. Prinsip Dasar dan Pengembangan Aplikasi</i>. Digibooks. Yogyakarta.</li> <li>7. Nirwansyah, A.W.. 2017. <i>Dasar Sistem Informasi Geografis dan Aplikasinya Menggunakan ARCGIS 9.3</i>. Deepublish Yogyakarta.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agroindustry Economics</i>
<i>Semester(s) in which the module is taught</i>	<i>5<sup>th</sup></i>
<i>Person responsible for the module</i>	<i>Dr. Ir. Ktut Murniati, M.T.A.</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning, Case method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>-</i>
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to implement the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream (P3)</i></li> <li>• <i>Students are able to simulate making the right decisions in the field of agribusiness (P5)</i></li> <li>• <i>Students are able to find problems faced by agribusiness actors both small, medium and large scale (C3)</i></li> </ul>
<i>Content</i>	<i>The scopes of the Agroindustry Economics course are the concept of agroindustry as the leading sector of agricultural development, agroindustry activities, the concept of added value for agroindustry, agroindustry competitiveness, agroindustry performance, problems and constraints, human resources, agroindustry technology, institutions, agroindustry in developing countries, competitive industrial environment, agroindustry patterns and friendly business models for small farmers, and strategies for developing agroindustry.</i>
<i>Examination forms</i>	<i>Essay, multiple choice, paper, oral presentation</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%)</i> <i>Final Exam (25%)</i> <i>Assignments (30%)</i> <i>Individual quiz (20%)</i>
<i>Reading list</i>	<i>1. Render B, Heizer J. 2011. Manajemen Operasi. Salemba Empat. Jakarta</i>



	<ol style="list-style-type: none"> <li>2. Santoso, I. 2013. <i>Pengantar Agroindustri</i>. Universitas Brawijaya Press</li> <li>3. Soekartawi. 2000. <i>Pengantar Agroindustri</i>. Raja Grafindo Persada. Jakarta</li> <li>4. Mayers, R. 1982. <i>Production and Operation Management</i>. McGraw-Hill. New York</li> <li>5. James E. Austin, 1992, <i>Agroindustrial project analysis : critical design factors</i>. London : Economic Development Institute.</li> <li>6. Wilberforce T, Sayed ET, Abdelkareem M A, Elsaid K and Olabi A.G. 2021. <i>Value added products from wastewater using bioelectrochemical systems: Current trends and perspectives</i>. <i>Journal of Water Process Engineering</i>. Vol 39. ELSEVIER.</li> <li>7. Sikone HY, Hartono B, Suyadi, Utami HD dan Nugroho BA. 2022. <i>Value Added Analysis of The Meat Agroindustry in Indonesia</i>. <i>Online Journal of Animal and Feed Research</i>. Vol 12.(5). Scienceline Publication.</li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agricultural Company Financing</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Ir. Fembriarti Erry Prasmatiw, MP</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective course</i>
<i>Teaching methods</i>	<i>Lectures (Blended Learning, Discussion and Cased Method)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes</i>
<i>Credit points</i>	<i>2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>• <i>Students are able to simulate appropriate decision making in the field of agribusiness (P5)</i></li> <li>• <i>Students are able to find problems faced by small, medium and large scale agribusiness actors (C3)</i></li> <li>• <i>Students are able to make planning and evaluation of agricultural businesses professionally and innovatively (P3)</i></li> </ul>
<i>Content</i>	<i>Definition, function and role and objectives of financial management or management/financing; Analysis of financial planning and control by making financial statement analysis, budgeting, and asset management; Concepts and theories of financing such as investment theory, measurement of risk and return value, capital structure theory, financing needs of agribusiness companies both short and long term, as well as financing implications for firm value; Sources and financing decisions from internal corporate sources and non-market external sources; Sources and financing decisions from the money market (credit), capital markets and from other domestic markets; Microfinance and sharia-based financing.</i>
<i>Examination forms</i>	<i>essay, multiple choice, paper, oral presentation, discussion</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures)</i>  <i>Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (20%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Brealey, R.A., C.S. Myers. 1996. Principles of Corporate Finance. Fifth Edition. The Mc. Graw Hill Companies, Inc.</i></li> </ol>

	<ol style="list-style-type: none"> <li>2. <i>Damodaran, A. 1997. Corporate Finance: Theory and Practice. John Wiley &amp; Sons. Inc.</i></li> <li>3. <i>Stephen A. Ross, Randolph W. Westerfield, and Jeffrey F. Jaffe. 1993. Corporate Finance. Third Edition. Irwin Inc., Boston.</i></li> <li>4. <i>Charles P. Jones. 1993. Investment: Analysis and Management. Fourth Edition. John Wiley &amp; Sons, Inc.</i></li> <li>5. <i>Frank K. Reilly and Keith C. Brown. Investment Analysis Portfolio Management.</i></li> </ol>
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**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Community Development</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Sumaryo</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning) Practicum sessions (Case method, Project based learning, Simulation learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li><i>1. Students are able to demonstrate social concern in improving the quality of social life. A5</i></li> <li><i>2. Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream. C2</i></li> <li><i>3. Students are able to simulate making the right decisions in the field of agribusiness. P5</i></li> </ol>
<i>Content</i>	<i>The scope of community development courses is participatory concepts, community empowerment and convergent counseling, understanding of participatory analysis methods and their application in development planning (Button Up Planning). Furthermore, the concepts of organizational development, developing local institutions, developing creative social potential, methods of developing participation, methods of developing social resilience, field school methods and community development indicators with participatory characteristics will be discussed.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (15%)</i>

	<p><i>Assignments (5%)</i>  <i>Activity participation (30%)</i>  <i>Project (20%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (25%)</i>  <i>Pre-test or post-test (15%)</i>  <i>Oral presentation (10%)</i>  <i>Class participation (10%)</i>  <i>Assignments (30%)</i>  <i>Mastery of material (10%)</i></p>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. <i>Adi, Isbandi Rukminto. 2002. Pemikiran-Pemikiran dalam Pembangunan Kesejahteraan Sosial. Jakarta: LPFE UI</i></li> <li>2. <i>_____. 2003. Pemberdayaan, Pengembangan Masyarakat dan Intervensi Komunitas. Jakarta: Lembaga Penerbit FE UI.</i></li> <li>3. <i>Bessette, G. 2004. Involving The Community. Penang - Ottawa: International Development Research Centre.</i></li> <li>4. <i>Carry, L.J. 1976. Community Development as a Process. USA: University of Missouri Press.</i></li> <li>5. <i>Ife, Jim. 2002. Community Development: Community-based Alternatives in an Age of Globalization. 2nd Edition. New South Wales: Pearson Education Australia.</i></li> <li>6. <i>Gito Saputro, S. dan K.K. Rangga. 2015. Pengembangan dan Pemberdayaan Masyarakat: Konsep, Teori dan Aplikasinya di Era Otonomi Daerah. Bandar Lampung : Graha Ilmu.</i></li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Agrarian Studies</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	<i>Dr. Tubagus Hasanuddin</i>
<i>Language</i>	<i>Indonesian language</i>
<i>Relation to curriculum</i>	<i>Elective Course</i>
<i>Teaching methods</i>	<i>Lectures sessions (Blended learning, Discussion and Collaborative learning) Practicum sessions (Case method, Project based learning)</i>
<i>Workload (incl. contact hours, self-study hours)</i>	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
<i>Credit points</i>	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ol style="list-style-type: none"> <li>1. <i>Students are able to comprehensively describe the theory of agribusiness, management, socio-economic agriculture (micro, macro and development), entrepreneurship, business communication and knowledge of technical aspects of agriculture from upstream to downstream. C2</i></li> <li>2. <i>Students are able to simulate making the right decisions in the field of agribusiness. P5</i></li> </ol>
<i>Content</i>	<i>The scope of agrarian studies courses is the background of agrarian studies, the formation and change of agrarian structures, agrarian laws in Indonesia, agrarian conflicts background, law, history, opportunities and challenges of agrarian reform and agrarian study methodology.</i>
<i>Examination forms</i>	<i>oral presentation, essay, multiple choice, paper</i>
<i>Study and examination requirements</i>	<i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i>  <i>Performance in theory (100%):</i> <i>Mid Exam (15%)</i> <i>Final Exam (15%)</i> <i>Individual quiz (15%)</i> <i>Assignments (5%)</i> <i>Activity participation (30%)</i> <i>Project (20%)</i>  <i>Performance in practicum (100%):</i> <i>Practicum exam (25%)</i>

	<i>Pre-test or post-test (15%)</i> <i>Oral presentation (10%)</i> <i>Class participation (10%)</i> <i>Assignments (30%)</i> <i>Mastery of material (10%)</i>
<i>Reading list</i>	<ol style="list-style-type: none"> <li>1. Santoso, Urip. 2017. <i>Hukum Agraria: Kajian Komprehensif</i>. Prenada Media. Jakarta. 426p</li> <li>2. Serova, E. v., &amp; Nikulin, A. M. 2022. Today, in the rural development, the main goal is to change the paradigm. <i>Russian Peasant Studies</i>, 7(3). <a href="https://doi.org/10.22394/2500-1809-2022-7-3-210-236">https://doi.org/10.22394/2500-1809-2022-7-3-210-236</a></li> <li>3. Davis, Ellen F. 2009. <i>Scripture, Culture, and Agriculture: An Agrarian Reading of the Bible</i>. New York: Cambridge University Press</li> <li>4. Rathi, A. 2022. Is Agrarian Resilience limited to Agriculture? Investigating the “farm” and “non-farm” processes of Agriculture Resilience in the rural. <i>Journal of Rural Studies</i>, 93. <a href="https://doi.org/10.1016/j.jrurstud.2019.12.015">https://doi.org/10.1016/j.jrurstud.2019.12.015</a></li> <li>5. Sahnun. 2018. <i>Hukum Agraria Indonesia</i>. Setara Press. Malang. 168p</li> <li>6. Arba, H,M. 2015. <i>Hukum Agraria Indonesia</i>. Sinar Grafika. Jakarta. 234p</li> <li>7. Harsono, Boedi. 1997. <i>Hukum Agraria Indonesia: Sejarah Pembentukan Undang-Undang Pokok Agraria, Isi dan Pelaksanaannya</i>. Jakarta: Djambatan Press.</li> </ol>

**Effective date** : Sept 2020  
**Revision date** : May 2023

<i>Module designation</i>	<i>Population</i>
<i>Semester(s) in which the module is taught</i>	6 <sup>th</sup>
<i>Person responsible for the module</i>	Prof. Dr. Ir. Kordiyana K. Rangga, M.S.
<i>Language</i>	Indonesian language
<i>Relation to curriculum</i>	Compulsory course
<i>Teaching methods</i>	Lectures sessions (Blended learning, Discussion and Collaborative learning, Case method)
<i>Workload (incl. contact hours, self-study hours)</i>	Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes
<i>Credit points</i>	2 (2-0) CP or 3.17 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) : 60 minutes/hour = 79.33 hours : 25 study hours/ECTS = 3.17 (ECTS
<i>Required and recommended prerequisites for joining the module</i>	-
<i>Module objectives/intended learning outcomes</i>	<ul style="list-style-type: none"> <li>Students are able to determine alternative solutions to the problems faced by companies in agribusiness simulations (C3)</li> <li>Students are able to formulate agribusiness development plans and strategies in a professional and innovative manner (P4)</li> </ul>
<i>Content</i>	The scope of the population course is the understanding of demography and population science and its use in analyzing the community/population in various scopes (macro, micro, rural, urban, regional and international which includes aspects of quality and quantity), the variables determining population development (birth, mortality, and migration), various definitions and basic measures in demography, labour force and employment opportunities, population movement, principles in population projection, relationships between population variables and other variables (land, food/green revolution, poverty, agricultural development sustainable and environmental) and population policies.
<i>Examination forms</i>	essay, multiple choice, paper
<i>Study and examination requirements</i>	Participants are evaluated based on their performance in class (lectures)  Mid Exam (25%) Final Exam (25%) Assignments (30%) Individual quiz (10%) Class Participation (10%)



Reading list	<ol style="list-style-type: none"> <li>1. Armelagos, G. J., Goodman, A. H., &amp; Jacobs, K. H. (1991). <i>The origins of agriculture: Population growth during a period of declining health. Population and Environment</i>, 13(1). <a href="https://doi.org/10.1007/BF01256568">https://doi.org/10.1007/BF01256568</a></li> <li>2. Badan Pusat Statistik Provinsi Lampung. 2020. <i>Provinsi Lampung dalam Angka</i>. BPS. Lampung.</li> <li>3. Castano, J., &amp; Keita, N. 2020. <i>Linking the population and housing census and the census of agriculture for the 2020 round: Advantages and challenges. Statistical Journal of the IAOS</i>, 36(1). <a href="https://doi.org/10.3233/SJI-190590">https://doi.org/10.3233/SJI-190590</a></li> <li>4. Dhawie C. 2011. <i>Teori-teori kependudukan</i>. Ganesha bintang. Jakarta.</li> <li>5. Edmund Conway. 2015. <i>Gagasan Ekonomi yang Perlu Anda Ketahui</i>. Esensi Erlangga Group. Jakarta</li> <li>6. Faqih, Ahmad. 2010. <i>Kependudukan : Teori, Masalah dan Fakta</i>. Dee Publish. Yogyakarta.</li> <li>7. Gilland, B. 2006. <i>Population, nutrition and agriculture. Population and Environment</i>, 28(1). <a href="https://doi.org/10.1007/s11111-007-0034-9">https://doi.org/10.1007/s11111-007-0034-9</a></li> <li>8. Mantra, Ida Bagoes. 2009. <i>Demografi Umum</i>. Pustaka Pelajar. Yogyakarta.</li> <li>9. Rusli, Said. 2012 <i>Pengantar Ilmu Kependudukan</i>. LP3ES. Jakarta.</li> <li>10. Ryadi, Slamet. 2013. <i>Demografi Ilmu Kependudukan</i>. UKWM Press. Surabaya.</li> </ol>
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