



UNIVERSITAS
DIPONEGORO
The Excellent Research University

FACULTY OF
**ANIMAL AND
AGRICULTURE SCIENCES**

MODULE HANDBOOK

MASTER PROGRAM IN AGRIBUSINESS

FACULTY OF ANIMAL AND AGRICULTURAL SCIENCES
UNIVERSITAS DIPONEGORO



2025

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BY COURSE

Module Handbook Philosophy of Science

Module designation	<i>Philosophy of Science</i>
Semester(s) in which the module is taught	<i>1th semester</i>
Person responsible for the module	<i>Prof. Ir. Edy Rianto, MSc., PhD.</i> <i>Prof. Ir. Sunarso, MS., PhD.</i> <i>Prof. Ir. V. Dwi Yunianto B.I., MS., MSc., PhD.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lectures, Small Group Discussions, and Assignments</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>2 credit points = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Able to explain the nature of science, methods of acquiring science and applying science in society</i>
Content	<i>Discusses the meaning of observation, knowledge and science in a broad sense, including data, scientific terms and materials, hypotheses and theories, laws, predictions and explanations, principles, causes, correlations and causation, and discusses the role of science and technology in everyday life.</i>
Examination forms	<i>Exam at mid-semester and final-semester.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading</i> <i>- 40% student participation (activeness) in scientific forum</i> <i>- 30% of the mid-semester grade</i> <i>- 30% of the final-semester grade</i>

Reading list	1. <i>Campbell, N. 1989. Ilmu pengetahuan Alam, Tantangan Alam tsudi. yayasan obor Indonesia. Jakarta.</i> 2. <i>Endraswara, S. 2012. Filsafat Ilmu. CAPS, Yogyakarta.</i> 3. <i>Kirkham, R,L. Teori-teori Kebenaran. Penerbit Nusa Media, Bandung.(Diterjemahkan oleh M. Khoszim)</i> 4. <i>Kleden, I. 1987. Sikap Ilmiah dan Kritik Kebudayaan. LP3ES. Gadjah Mada Univ. press. Yogyakarta</i> 5. <i>Kuhn, T.S. 1989. Peran Paradigma dalam Revolusi Sains. Remaja Karya Bandung (Diterjemahkan oleh T. Surjaman).</i> 6. <i>Ladyman, J. 2002.Understanding Philosophy Of Science. Routledge, London</i> 7. <i>Muntansyir, R. dan M. Munir. 2001. Filsafat Ilmu. Pustaka Pelajar, Yogyakarta</i> 8. <i>Russell, B. 1994. Dampak Ilmu Pengetahuan atas Masyarakat. Gramedia, Jakarta.</i> 9. <i>Salam, B. 2003. Logika Materiil. Rineka Cipta, Jakarta.</i> 10. <i>Suhartono, S. 2005. Filsafat Ilmu Pengetahuan. A-ruzz Media, Yogyakarta.</i> 11. <i>Supriyanto, S. 2013, Filsafat Ilmu. Prestasi Pustaka, Jakarta.</i>
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Module Handbook Human Resource Management

<i>Module designation</i>	<i>Human Resource Management</i>
<i>Semester(s) in which the module is taught</i>	<i>1st Semester</i>
<i>Person responsible for the module</i>	<i>Prof. Dr. Ir. Aiz Nur Bambang</i>
<i>Language</i>	<i>Indonesian and English</i>
<i>Relation to curriculum</i>	<i>Required</i>
<i>Teaching methods</i>	<i>Lecturer, small group discussion, simulation, case study</i>
<i>Workload (incl. contact hours, self-study hours)</i>	- <i>Equivalent to 510 minutes lecture per week (150 minutes class; 180 minutes structured task; 180 minutes independent task)</i> - <i>Mid Term Exam (100 minutes) in the eighth week and Final Exam (100 minutes) in the sixteenth week.</i>
<i>Credit points</i>	<i>3 Credit Point = 4.821 ECTS</i>
<i>Required and recommended prerequisites for joining the module</i>	<i>No required prerequisite</i>
<i>Module objectives/intended learning outcomes</i>	<i>Students are able to analyze, discuss, and implement concepts related to human resource management (HRM) and its application in the agribusiness context. These include understanding HRM functions, conducting job analysis, planning human resources, managing recruitment and selection processes, training and developing personnel, evaluating performance, and implementing motivation and compensation systems to enhance employee productivity and satisfaction.</i>
<i>Content</i>	<i>The materials of this course include: the concepts and roles of human resource management, job analysis and work planning, human resource planning, recruitment and selection, employee training and development, performance appraisal, career planning and development, compensation and payroll systems, work motivation, and strategies to improve employee satisfaction and productivity in agribusiness organizations.</i>

<i>Examination forms</i>	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through exam.</i>
<i>Study and examination requirements</i>	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>
<i>Reading list</i>	1. <i>Fathoni, H.A .2006.Manajemen Sumber Daya Manusia. Cet. 1. Jakarta, PTRineka Cipta.</i> 2. <i>Handoko, T.H. 2008. Manajemen Personalia dan Sumberdaya Manusia.Edisi Kedua, Cet. 16. Yogyakarta, BPFE.</i> 3. <i>Marthis, R.L. dan Jakson JH. 2004.Human Resource Management.Manajemen Sumber Daya Manusia (Penerjemah : Diana Angelina,2006). Jakarta, Salemba Empat.</i> 4. <i>Nawawi, H.H. 2005. Manajemen sumber Daya Manusia Untuk Bisnis yangKompetitif. Cet. 6. Yogyakarta University Press.87</i> 5. <i>Nuraini, I. 2006. Manajemen Sumber Daya Manusia. Dalam Buku :Manajemen Agribisnis (oleh : Nasrudin, W dan Nuraini, I),Jakarta,Universitas Terbuka.</i> 6. <i>Sastrohadiwiryo, B.S. 2005. Manajemen Tenaga Kerja Indonesia.Pendekatan Administratif dan Operasional. Cet. 3. Jakarta, PT BumiAksara.</i> 7. <i>Siagian, S.P. 2008. Manajemen Sumber Daya Manusia. Cet. 16. Jakarta, PT. Bumi Aksara</i>

Module Handbook Econometrica

Module designation	<i>Econometrica</i>
Semester(s) in which the module is taught	<i>1st semester</i>
Person responsible for the module	<i>Prof. Agus Setiadi, S.Pt., M.Si., Ph.D. Dr. Edy Prasetyo</i>
Language	<i>Indonesia, English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecture, lesson, focus group discussion, contextual learning</i>
Workload (incl. contact hours, self-study hours)	- <i>Lecture and discussion 100 minutes per week</i> - <i>120 minutes independent task</i> - <i>120 minutes of structured tasks</i>
Credit points	<i>2 credit point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are expected to be able to identify, understand, and analyze real-world economic phenomena in order to support managerial decision-making in the field of agribusiness related to tropical agriculture and livestock.</i>
Content	<i>This course covers the fundamental characteristics of econometrics and the relationships between variables. It includes simple linear regression analysis, multiple linear regression analysis, and diagnostic issues such as multicollinearity, heteroskedasticity, and autocorrelation. The course also introduces mediation testing, hypothesis testing in path analysis, and Structural Equation Modeling (SEM).</i>
Examination forms	<i>Assignment, oral presentation, Midterm exam and Final exam</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>

Reading list	1. A Pollet dan Nasrullah, 1994. <i>Penggunaan Metode Statistika untuk Ilmu Hayati</i>. Gadjah Mada University Press, Yogyakarta 2. Gujarati, D. N. & Porter, D. C. (2009). <i>Basic Econometrics</i> (5th ed.). McGraw-Hill. 3. Gunawan Sumodiningrat, 2001. <i>Ekonometrika</i>. BPFE UGM, Yogyakarta. 4. J Supranto, 1983. <i>Ekonometrik (Buku I dan II)</i>. LPFE UI, Jakarta. 5. Sugeng, 1980. <i>Analisis Regresi (Teori dan Penerapan Sederhana)</i>. Fakultas Pertanian UNSPED, Purwokerto. 6. Robert GD Steel dan James H Torrie, 1993. <i>Prinsip dan Prosedur Statistika</i>. PT Gramedia Pustaka Utama, Jakarta.. 7. Wooldridge, J. M. 2016. <i>Introductory Econometrics: A Modern Approach</i> (6th ed.). Cengage Learning.
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Module Handbook Agro-industrial Business

Module designation	<i>Agro-industrial Business</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Prof. Dr. Vitus Dwi Yuniarto BI, MS., M.Sc. DR. IR. Bambang W. H. E. Prasetyono, MS, M.Agr. Sc Dr. Ir. Wiludjeng Roessali, M.Si</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lectures, and Small Group Discussions</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>2 credit points = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Able to analyze, illustrate, conclude Agro-industry concepts including scope, role, policy, characteristics, classification in the industry; Agro-industry business development policies including potential, prospects and constraints; manage Principles and methods in the implementation of food safety systems including Good Manufacturing Practices (GMP), Sanitation & Hygiene (SSOP), Quality Management (HACCP); and design, initiate Agricultural Industry Development Planning (Agro-industry) which includes environmental analysis, consumer behavior and satisfaction, Evaluation of agro-industry development and; Analysis of Agro-industry Development Strategy to Export Markets including competitiveness, export-import mechanisms, institutions and documents, risks in export-import.</i>
Content	<i>Introduction understanding, scope and policies of agro-industrial business; Characteristics and Industry classification; Potential, Prospects, Constraint, Technological development, GMP, SSOP, TQM, HACCP; Environmental analysis, Consumer behavior and satisfaction, Evaluation of agro-industry development; and competitiveness, export import mechanism, institutions and documents, risks in export import.</i>
Examination forms	<i>Exam at mid-semester and final-semester.</i>

Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading</i> - 40% student participation (activeness) in scientific forum - 30% of the mid-semester grade - 30% of the final-semester grade
Reading list	1. David Kahan. <i>MANAGING RISK in farming</i>.2013. Food And Agriculture Organization Of The United Nations.FAO 2. James F.Engel .2006. <i>Consumer Behavior</i>. Mason:Permission Departement, Thomson Business and Economics. 3. Etta Mamang Sangaji dan Sopiah. 2013. <i>Perilaku Konsumen</i>. Penerbit Andi. Yogyakarta. 4. Ferdi Fathurohman, 2016. <i>Pengantar Bisnis, Perpektif Agroindustri</i>. Penerbit Tiga Maha, Subang-Indonesia 5. Hau L. Lee, Haim Mendelson, Sonali Rammohan, Akhil Srivastava. 2017. <i>Technology in Agribusiness</i>. Graduate School of Standford Business. 6. Joy Harwood, Richard Heifner, Keith Coble, Janet Perry, and Agapi Somwaru. 1999. <i>Managing Risk in Farming: Concepts, Research, and Analysis</i>. Market and Trade Economics Division and Resource Economics Division, Economic Research Service, U.S. Department of Agriculture. Agricultural Economic Report No. 774. 7. PERATURAN PEMERINTAH REPUBLIK INDONESIA NOMOR 28 TAHUN 2004 TENTANG KEAMANAN, MUTU DAN GIZI PANGAN 8. Porter, Michael E. (1990). <i>The Competitive Advantage of Nations</i>. The Free Press. New York. 9. Keputusan Menteri Kesehatan RI nomor : 23/Men.Kes/ SK/1978 tentang Pedoman Cara Produksi Yang Baik untuk Makanan. 10. SNI. 1998. SNI 01-3719-1995. <i>Sistem Analisa Bahaya Dan Pengendalian Titik Kritis</i>. Departemen Perindustrian Republik Indonesia 11. Undang-Undang Republik Indonesia, Nomor 7 Tahun 1996 Tentang Pangan. 12. Winarno, F. G., 2004. <i>HACCP Dan Penerapannya Dalam Industri Pangan</i>. MBrio Press. Bogor. 13. Yazid. 2005. <i>Model Untuk Meningkatkan Kesadaran Mutu dan Kepercayaan pada Komunitas Bisnis UKM Makanan dan Minuman dalam rangka Meningkatkan Daya Saing</i>. Pusat Penelitian Sistem Mutu dan Teknologi. Pengujian Lembaga Ilmu Pengetahuan Indonesia (LIPI).

Module Handbook Ecotourism

Module designation	<i>Ecotourism</i>
Semester(s) in which the module is taught	<i>1st semester</i>
Person responsible for the module	<i>Prof. Dr. Ir. Sunarso, M.S. Dr. Ir. Bambang Dwiloka, M.S. Dr. Ir. Frida Purwanti, M.Sc</i>
Language	<i>Indonesia, English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecture, lesson, focus group discussion, contextual learning</i>
Workload (incl. contact hours, self-study hours)	<i>- Lecture and discussion 100 minutes per week - 120 minutes independent task - 120 minutes of structured tasks</i>
Credit points	<i>2 credit point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to explain the concepts and basic principles of ecotourism, develop ecotourism concepts, and formulate plans for the development and implementation of ecotourism, as well as analyze (C5) the impacts of ecotourism activities on environmental changes and the socio-economic and cultural conditions of surrounding communities, and assess (C5) the feasibility of ecotourism</i>
Content	<i>The Ecotourism course explores the concepts and basic principles of ecotourism, the history of ecotourism development in Indonesia, tourism assets, the potential and attractions of ecotourism in Indonesia, characteristics and fundamental principles of ecotourism, the concept of carrying capacity, ecotourism regulations and policies, ecotourism marketing, ecotourism development and planning, ecotourism risks, impact analysis of ecotourism activities, feasibility studies and ecotourism development, ecotourism management, and ecotourism case studies</i>
Examination forms	<i>Assignment, oral presentation, Midterm exam, and Final exam</i>

Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from a total of 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam
Reading list	1. Agung et al. 2003. <i>Bali Tourism Objects and Attractions: Standard Information on Bali Tourism</i>. Denpasar: DPD HPI and Bali Tourism Office (Disparda Bali). 2. Chester et al. 2000. <i>NEAP (Nature and Ecotourism Accreditation Program)</i>, 2nd edition. Australia: NEAP. 3. Damanik, J. and H. Weber. 2006. <i>Ecotourism Planning: From Theory to Application</i>. Andi Offset, Yogyakarta. \ 4. Dahuri, R. 2003. <i>Marine Biodiversity</i>. Jakarta: PT Gramedia Pustaka Utama. 5. Fennell, D.A. and Dowling, R.K. 2003. <i>Ecotourism Policy and Planning</i>. CABI Publishing, UK. 6. Hill, J. and T. Gale. 2009. <i>Ecotourism and Environmental Sustainability: Principles and Practice</i>. Ashgate Publishing, England. 7. Martin, M. 2005. <i>Weather, Climate and Tourism: A Geographic Perspective</i>. <i>Annals of Tourism Research</i>, 22(3): 571–591. 8. <i>Regional Regulation of Bali Province No. 5 of 2008 on Tour Guides</i>. 9. Smith, S. 2007. <i>Tourism Analysis: A Handbook</i>. Longman Scientific & Technical, England. 10. Law No. 10 of 2009 on <i>Tourism (Indonesia)</i>. 11. Weaver, D. 2008. <i>Ecotourism</i>. John Wiley & Sons, Milton, QLD, Australia.

Module Handbook Leadership and Entrepreneurship

Module designation	<i>Leadership and Entrepreneurship</i>
Semester(s) in which the module is taught	<i>1st semester</i>
Person responsible for the module	<i>Dr. Ir. Wiludjeng Roessali, M.Si. Dr. Ir. Sriroso Satmoko, M.Si. Siwi Gayatri, S.Pt., M.Sc., PhD.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecturer, small group discussion, cooperative learning</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students think analytically and critically (P4), and enhance their abilities and skills (C3) in leadership and entrepreneurship effectively, innovatively, and creatively in problem-solving, decision-making, and in taking responsibility for their actions (A3)</i>
Content	<i>This course aims to discuss and understand the theories and practices of the leadership process and entrepreneurship. It explores attitudes, behaviors, and responsibilities of leadership and management; elements of leadership, types of leadership; the relationship between leaders and intelligence; entrepreneurship; the interrelation between leaders, leadership, and entrepreneurship; leadership development; individual and organizational behavior; organizational development; the principles or characteristics of entrepreneurship, entrepreneurship planning and development, SWOT analysis, and business plan preparation</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through online exam.</i>

Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>
Reading list	1. <i>Agustian. AG. 2005. Emotional Spiritual Quotient (ESQ), Penerbit ARGA- Jakarta.</i> 2. <i>Dubrin. AJ. 2005. The Complettle IDEAL'S Guides Leadership. Terjemahan Triwibowo BS. Penerbit Prenada Media, Jakarta.</i> 3. <i>Meredith. GG. 2000. Kewirausahaan, Teori dan Praktek. Terjemahan A. Asparsayogi, Penerbit PT. Pustaka Binaan Pressindo, Jakarta.</i> 4. <i>Poniman. F, Indrawan N, Jamil A. 2005. Kubik Leadership. Penerbit Hikmah, Jakarta.</i> 5. <i>Suryana. 2006. Kewirausahaan. Penerbit Salemba Empat, Jakarta.</i> 6. <i>Rangkuto, F. 2006. Analisis SWOT, Teknik membedah kasus bisnis. PT. Gramedia Pustaka Utama, Jakarta.</i> 7. <i>Zimmerer, T dan Norman MS. 1998. Essential of Entrepreneurship and Small Bussines Managements. Secont Ed. Prentice Hall, New Yersey.</i>

Module Handbook Investment Analysis

Module designation	<i>Investment Analysis</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Dr. Ir. Wiludjeng Roessali, M.Si. Dr. Agus Setiadi, S.Pt., M,Si. Prof. Dr. Purbayu Budi Santosa, MS.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecturer, small group discussion, project based learning, discovery learning</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Able to analyze investment theories (C4) and develop them (P4) in managing (A4) investment decision-making in the agribusiness sector.</i>
Content	<i>Provides a general overview of investment activities, including the scope of investment, the concept of the time value of money, investment evaluation techniques, inventory investment, working capital management and cost analysis, real sector investment, both short-term and long-term investments, financial statement analysis, along with the application of budgeting principles to develop a business feasibility study.</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through online exam.</i>

Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam
Reading list	1. <i>Brigham, E.F and J. F. Houston. 2003. Fundamentals of Financial Management, Harcourt Inc, New York</i> 2. <i>Hansen, D.R., M.M. Mowen. 2005. Management Accounting. 7 Edition, South-Western Publishing</i> 3. <i>Hartono, J. 2008. Teori Portofolio dan Analisis Investasi. Edisi Kelima. BPFE. Yogyakarta.</i> 4. <i>Husnan, S. 2000. Manajemen Keuangan Teori dan Penerapan, Edisi 4, Buku 1 dan 2, BPFE. Yogyakarta.</i>

Module Handbook Agribusiness System

Module designation	<i>Agribusiness System</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Prof. Dr. Ir. Siswanto Imam Santoso, M.P</i> <i>Prof. Ir. Vitus Dwi Yuniarto Bl., M.S., M.Sc., Ph.D.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecturer, small group discussion, cooperative learning</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to analyze (C4), develop (P4), and effectively manage agribusiness systems</i>
Content	<i>The material of this course include : the scope of agribusiness, issues in agribusiness activities, financing, agribusiness technology, environmentally friendly agro-industry, Input-Process-Output (IPO) and Outcome analysis, and the role of agribusiness institutions</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through online exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>

Reading list	1. <i>Brigham EF and Houston JF, 1998. Fundamentals of Financial Management, Harcourt Inc., New York.</i> 2. <i>Bungaran Saragih, 2001. Agribisnis Paradigma Baru Pembangunan Ekonomi Berbasis Pertanian. PT Loji Grafika Griya Sarana, Bogor.</i> 3. <i>Bungaran Saragih, 2001. Suara dari Bogor (Membangun Sistem Agribisnis), . PT Loji Grafika Griya Sarana, Bogor.</i> 4. <i>BPLP Departemen Pertanian, 1993. Agribisni Departemen Pertanian RI. Jakarta.</i> 5. <i>Downey WD dan Erickson SP, 1987. Manajemen Agribisnis. Erlangga. Jakarta.</i> 6. <i>Kadarsan HW, 1992. Keuangan Pertanian dan Pembiayaan Perusahaan Agribisnis. Gramedia. Jakarta.</i> 7. <i>Mowen JC and Minor M, 2001. Consumer Behavior. H College Pub. New York.</i> 8. <i>Pambudi R, 1999. Bisnis dan Kewirausahaan Dalam Agribisnis. Pustaka Wirausaha Muda . Bogor.</i> 9. <i>Said EG dan Intan AH, 2001. Manajemen Agribisnis. Ghalia Indonesia. Jakarta.</i> 10. <i>Said EG, Rachmayati dan MZ Muttaqin, 2001. Manajemen Teknologi Agribisnis. Ghalia Indonesia. Jakarta.</i> 11. <i>Siagian SP, 1997. Manajemen Sumber Daya Manusia. Bumi Aksara, Jakarta.</i> 12. <i>Soekartawi, 1993. Prinsip Dasar Manajemen Pemasaran Hasil-hasil Pertanian. Rajawali Pers. Jakarta.</i> 13. <i>Swastha B, 1997. Manajemen Pemasaran Moderen. Liberty. Yogyakarta.</i>
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Module Handbook Research Methodology

Module designation	<i>Research Methodology</i>
Semester(s) in which the module is taught	<i>2nd Semester</i>
Person responsible for the module	<i>Prof. Dr. Ir. Sumarsono, MS Prof.Dra. Indah Susilowati, M.Sc., Ph.D. Dr.Ir. Edy Prasetyo, M.S.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Required</i>
Teaching methods	<i>Lecturer, small group discussion, simulation, case study</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 510 minutes lecture per week (150 minutes class; 180 minutes structured task; 180 minutes independent task)</i> - <i>Mid Term Exam (100 minutes) in the eighth week and Final Exam (100 minutes) in the sixteenth week.</i>
Credit points	<i>3 Credit Point = 4.821 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to explain and apply research methodologies to develop agribusiness knowledge through a systematic scientific approach, which includes problem formulation, research design (observational or experimental), sampling techniques, data analysis, and scientific writing.</i>
Content	<i>The materials of this course include: the role of research in agribusiness, scientific thinking and research paradigms, formulation of research problems, development of theoretical frameworks, research design, sampling techniques, methods of data collection, data analysis techniques, scientific writing, and research ethics.</i>

Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>
Reading list	1. <i>Supardi. 2002. Metodologi Penelitian Ekonomi Bisnis. UII Press. Yogyakarta.</i> 2. <i>Dantes, Nyoman. 2012. Metode Penelitian. Penerbit Andi. Yogyakarta.</i> 3. <i>Singarimbun, M. Dan S. Effendi. 1989. Medode Penelitian Survai. LP3ES. Jakarta.</i> 4. <i>Santoso, Singgih. 2002. Statistik Multivariat. PT Elex Media Komputindo, Jakarta.</i> 5. <i>Suharjo, Bambang. 2013. Statistika Terapan, Disertai Contoh Aplikasi dengan SPSS. Graha Ilmu. Yogyakarta.</i> 6. <i>Santoso, Gempur. 2007. Fundamental Metodologi Penelitian, Kuantitatif dan Kualitatif. Cetakan Kedua, Prestasi Pustaka Publisher, Jakarta.</i> 7. <i>Supranto, J. 2002. Statistik, Teori dan Aplikasi. Edisi Ketujuh, Penerbit Erlangga, Jakarta</i>

Module Handbook Agribusiness Development Strategy and Policy

Module designation	<i>Agribusiness Development Strategy and Policy</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Dr. Ir. Wiludjeng R, M.Si. Prof. Ir. Sunarso, M.S., Ph.D. Dr. Komalawati, S.P., M.Phil. Dr. Ir. Edy Prasetyo, M.S.</i>
Language	<i>Indonesia, English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecture, lesson, focus group discussion, contextual learning</i>
Workload (incl. contact hours, self-study hours)	<i>- Lecture and discussion 100 minutes per week - 120 minutes independent task - 120 minutes of structured tasks</i>
Credit points	<i>2 credit point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to apply (C-3) and articulate (P-4) policy concepts and effectively manage decision-making alternatives based on relevant aspects for the development of agribusiness and agroindustry.</i>
Content	<i>The material of this course include : definition of Policy, Policy Tools and Analysis, The Role of Government in Creating a Business Climate, International Trade Policy, The Role of Technology and Market Information Systems in Agribusiness Development, Challenges in Agribusiness and Agroindustry Development, Standardization and Quality Requirements in Agroindustry, The Role and Issues of Agricultural Development in Indonesia, Strategic Food Development Policy, Livestock Industry Development Policy, Rural Industry Development Policy, Farmer Institutional Policy, Spatial Planning and Interregional Trade Policy, as well as Agribusiness Development Policy in Indonesia.</i>
Examination forms	<i>Assignment, oral presentation, Midterm exam, and Final exam</i>

Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from a total of 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam
Reading list	1. <i>Chmielewska, W. And D. Baker. 1995. The polish agricultural marketing system: a policy perspective on developments. Food Policy. 20 (1): 51 – 57.</i> 2. <i>COA – FAO. 2007. Challenges of Agribusiness and Agroindustries Development. Committe on Agriculture – Food and Agriculture Organization of the United Nations, Twentieth Session – Rome, 25 – 28 April 2007.</i> 3. <i>Collins, K. 1999. Public policy and the supply of food. Food Policy. 24: 311 – 324.</i> 4. <i>Cummings Jr, R., S. Rashid, A. Gulati. 2006. Grain price stabilization experiences in Asia: what have we learned. Food Policy. 31: 302 – 312.</i> 5. <i>Elizabeth, R. 2007. Penguatan dan Pemberdayaan Kelembagaan Petani mendukung Pengembangan Agribisnis Kedelai. Pusat Analisis Sosial Ekonomi dan Kebijakan Pertanian, Bogor.</i> 6. <i>Fukuyama, F. 2004. Memperkuat Negara, Tata Pemerintahan dan Tata Dunia Abad 21. Penerbit PT. Gramedia Utama, Jakarta.</i> 7. <i>Hayami, Y. And VW. Ruttan. 1971. Agricultural Development: An International Perspective. The John Hopkens Press.</i> 8. <i>Kasryno, F., AM. Fagi, dan E. Pasandaran. 2004. Kebijakan produksi padi dan diversifikasi pertanian. Ekonomi adi dan Beras Indonesia. Badan Litbang pertanian. Pg 73 – 106.</i> 9. <i>Syahyuti. 2003. Bedah Konsep Kelembagaan (Strategi Pengembangan dan Penerapannya dalam Penelitian Pertanian). Badan Penelitian dan Pengembangan Pertanian, Bogor.</i> 10. <i>Tambunan, TTH. 2003. Perkembangan Sektor Pertanian di Indonesia: Beberapa Isu Penting. Ghalia Indonesia.</i>

Module Handbook Supply Chain Management

Module designation	<i>Supply Chain Management</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Prof. Dr. Ir. Titik Ekowati, M.Sc. Prof. Dr.Ir. Siswanto Imam Santoso, M.P. Dr.Ir. Mukson, M.S.</i>
Language	<i>Indonesia, English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecture, lesson, focus group discussion, contextual learning</i>
Workload (incl. contact hours, self-study hours)	<i>- Lecture and discussion 100 minutes per week - 120 minutes independent task - 120 minutes of structured tasks</i>
Credit points	<i>2 credit point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to analyze (C4), develop (P4), and manage (A4) agribusiness marketing and supply chain programs</i>
Content	<i>This course covers the concept of supply chains, their scope, challenges, and various types of marketing and supply chain systems. Topics include profit margins, customer satisfaction, analysis of information systems, macro-environmental factors, and effective communication. The course also addresses planning, strategy, and SWOT analysis, as well as market competition, segmentation, and targeting. Further topics include efficiency, product differentiation, strategies for introducing new products, pricing policies and strategies, promotional methods and budgeting, location and distribution channels, and supply chain control.</i>
Examination forms	<i>Assignment, oral presentation, Midterm exam, and Final exam</i>

Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from a total of 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam
Reading list	11. <i>Bierlein, J.G. and M.W. Woolverlon. 1991. Agribusiness Marketing: The Management Perspective. Prentice Hall Inc., New Jersey.</i> 12. <i>Kotler, P. 2002. Manajemen Pemasaran 1 dan 2. Edisi 10. PT. Prenhallindo, Jakarta.</i> 13. <i>Kotler, P. 2000. Manajemen Pemasaran di Indonesia. Edisi 8. PT. Prenhallindo, Jakarta.</i> 14. <i>Purnama, L. 2000. Strategi Marketing Plan. PT. Gramedia Pustaka Utama. Yogyakarta.</i> 15. <i>Soekartawi. 1993. Manajemen Pemasaran dalam Bisnis Moderen. Penerbit Pustaka Sinar Harapan, Jakarta.</i> 16. <i>Guiltan, JP dan GW Paul. 1994. Strategi dan Program Manajemen Pemasaran. Penerbit Erlangga. Edisi 2. Jakarta.</i> 17. <i>Mursid, M. 1997. Manajemen Pemasaran. Bumi Aksara. Jakarta.</i> 18. <i>Soekartawi, 1989. Prinsip Dasar Manajemen Pemasaran Hasil-hasil Pertanian : Teori dan Aplikasinya. Rajawali Press, Jakarta.</i> 19. <i>Swastha, BS dan TH. Handoko. 1997. Manajemen Pemasaran. BPFE, Yogyakarta.</i> 20. <i>Tjiptono, F.1997. Strategi Pemasaran. Penerbit Andi Offset, Yogyakarta.</i> 21. <i>Swastha, B dan Irawan. 1990. Manajemen Pemasaran Moderen. Penerbit Liberty, Yogyakarta.</i>

Module Handbook Planning and Evaluation of Community Empowerment

Module designation	<i>Planning and evaluation of community empowerment</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Siwi Gayatri, Ph.D. Dr. Suyanto</i>
Language	<i>Indonesia, English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecture, lesson, focus group discussion, contextual learning</i>
Workload (incl. contact hours, self-study hours)	<i>- Lecture and discussion 100 minutes per week - 120 minutes independent task - 120 minutes of structured tasks</i>
Credit points	<i>2 credit point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>By the end of the semester, students will be able to identify and analyze issues faced by rural agrarian communities, relate them to the concepts and principles of community empowerment, assess potential biases in development and empowerment program planning, and adapt appropriate evaluation methods for empowerment initiatives.</i>
Content	<i>This course discusses the issues faced by rural agrarian communities, biases in agricultural development practices, the concepts and principles of community empowerment planning, the steps involved in empowerment programs, appropriate technologies and local wisdom, as well as the evaluation of community empowerment programs.</i>
Examination forms	<i>Assignment, oral presentation, Midterm exam, and Final exam</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from a total of 16 times (according to UNDIP regulation). Grading: - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam</i>

Reading list	1. Bungaran Saragih. (2001). <i>Agribusiness: A New Paradigm of Agriculture-Based Economic Development</i>. PT Loji Grafika Griya Sarana, Bogor. 2. Bungaran Saragih. (2001). <i>Voices from Bogor: Building an Agribusiness System</i>. PT Loji Grafika Griya Sarana, Bogor. 3. BPLP Ministry of Agriculture. (1993). <i>Agribusiness – Ministry of Agriculture of the Republic of Indonesia</i>. Jakarta. 4. Downey, W.D. & Erickson, S.P. (1987). <i>Agribusiness Management</i>. Erlangga, Jakarta. 5. Kadarsan, H.W. (1992). <i>Agricultural Finance and Agribusiness Enterprise Funding</i>. Gramedia, Jakarta.
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Module Handbook Research Proposal Seminar/Colloquium

Module designation	<i>Research Proposal Seminar/Colloquium</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Exam Committee</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>The course follows an application-based pedagogical approach by including interaction, individual presentations, group discussions, feedback.</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>1 credit point = 1.607 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Research methodology and courses related to the topic taken</i>
Module objectives/intended learning outcomes	<i>Able to describe (C4) problems, research methods, formulation (P4) data analysis and present it (A5) well.</i>
Content	<i>A part of undergraduate final project (or Bachelors dissertation). It can be a proposal of research or part of research findings. It is typically completed in the final year of a degree programme and the topic is chosen based on a student's own area of interest.</i>
Examination forms	<i>Project presentation and disucussion with supervisor, two examiners, and audience.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> - 20% student participation (activeness) in scientific forum - 35% accuracy in formulating research design - 40% accuracy in writing, delivering material and answering question
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i>

Module Handbook Field Work

Module designation	<i>Field Work</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Supervisor team</i>
Language	<i>Indonesian</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Cooperative learning, Collaborative learning, and Contextual Instruction</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 170 minutes lecture per week (50 minutes class; 60 minutes assignment; 60 minutes doing self-project)</i>
Credit points	<i>1 credit point = 1.607 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Courses related to the topic</i>
Module objectives/intended learning outcomes	<i>Able to understand (C2) the latest agricultural industry developments in the field and compare (P3) with theory properly and correctly (A3).</i>
Content	<i>Contains lecture activities off campus visits that aim to provide insight, understanding of activities and businesses in agriculture and agribusiness.</i>
Examination forms	<i>Project presentation</i>
Study and examination requirements	<i>- 70% student participation (activeness) - 30% accuracy in writing report</i>
Reading list	<i>1. Azwar, S. 2009. Metode Penelitian. Pustaka Pelajar, Yogyakarta.</i> <i>2. Riduwan. 2009. Metode dan Teknik Menyusun Proposal Penelitian, Alfabeta, Yogyakarta.</i> <i>3. Barnawi dan M. Arifin. 2015. Teknik Penulisan Karya Ilmiah. Ar Ruzz Media, Yogyakarta.</i>

Module Handbook Research Result Seminar

Module designation	<i>Research Result Seminar</i>
Semester(s) in which the module is taught	<i>4th semester</i>
Person responsible for the module	<i>Supervisor and seminar team</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Discovery learning and project based learning</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>1 credit points = 1.607 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Already present the research in Research Proposal Course</i>
Module objectives/intended learning outcomes	<i>Able to describe problems, research methods, formulation data analysis and present it well.</i>
Content	<i>A part of graduate final project (or Master Thesis). It can be a result of research or part of research findings. It is typically completed in the final year of a degree programme and the topic is chosen based on a student's own area of interest.</i>
Examination forms	<i>Project presentation and discussion with supervisor, two examiners, and audience.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> - 20% student participation (activeness) in scientific forum - 35% accuracy in formulating research design - 40% accuracy in writing, delivering material and answering question
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i>

Module Handbook National Publication

Module designation	<i>National Publication</i>
Semester(s) in which the module is taught	<i>4th semester</i>
Person responsible for the module	<i>Supervisor and publication team</i>
Language	<i>Indonesia and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>The course applies a research-based and outcome-oriented teaching approach. Learning methods include interactive lectures, scientific writing workshops, guided individual supervision, and structured peer-review sessions to enhance academic writing competencies and prepare students for journal publication.</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes of lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>3 credit points = 4.821 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Research methodology, colloquium, and courses related to the topic taken</i>
Module objectives/intended learning outcomes	<i>Students are able to identify appropriate national and international scientific journals relevant to their field of research (C4–analyze), organize a research article by national and international academic writing standards and ethical publication practices (P4–construct), and produce as well as present a publishable draft of a scientific paper for peer and academic review through both oral and written communication (A5–demonstrate).</i>
Content	<i>This course is part of the undergraduate final project (or Master's thesis) and focuses on publishing research outcomes. Students are guided to develop a scientific article based on their research findings, which may be derived from their thesis or an independent study. The publication topic is selected according to the student's academic interest and is typically completed in the final year of the degree programme.</i>
Examination forms	<i>Submission of a scientific article manuscript intended for publication in an accredited international journal, followed by an oral presentation and academic discussion with supervisors, examiners, and/or peers.</i>

Study and examination requirements	<i>The minimum attendance at lectures is 75%, which requires 12 out of 16 attendance records (according to UNDIP regulation).</i> - <i>25% active participation in discussions and peer-review sessions</i> - <i>35% quality and completeness of the scientific manuscript</i> - <i>40% clarity, originality, and coherence during article presentation and academic discussion</i>
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i> 4. <i>Belcher, Wendy Laura. 2009. Writing Your Journal Article in 12 Weeks: A Guide to Publishing Success. New Delhi: SAGE Publications.</i> 5. <i>Epstein, Debby, Jane Kenway, and Rebecca Boden. 2005. Writing for Publication. London: SAGE Publications.</i> 6. <i>Hartley, James. 2008. Academic Writing and Publishing: A Practical Handbook. London: Routledge.</i> 7. <i>Murray, Rowena. 2005. Writing for an Academic Journal. New York: Open University Press.</i>

Module Handbook Thesis

Module designation	<i>Thesis</i>
Semester(s) in which the module is taught	<i>4th semester</i>
Person responsible for the module	<i>Supervisor and thesis team</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Discovery learning and project based learning</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>6 credit points = 9.642 ECTS</i>
Required and recommended prerequisites for joining the module	Fulfilled at least ... credit hours
Module objectives/intended learning outcomes	1. <i>Able to describe problems, research methods, formulation data analysis and present it well.</i> 2. <i>Able to demonstrate logical, critical, systematic and innovative thinking.</i> 3. <i>Able to demonstrate independent research that focusing on quality.</i> 4. <i>Able to apply their expertise using scientific principles to produce solution.</i> 5. <i>Able to compile the data and make synthesize to produce information.</i> 6. <i>Able to develop a networking with various institution/person like government institution, farmers, researchers, and others.</i> 7. <i>Capable of collecting, reducing, presenting and make a conclusion from the data.</i>
Content	<i>The thesis is a project that aim to give a students with ability to formulating the problems and looking the solution based on data and using scientific approach.</i>
Examination forms	<i>Project presentation and disucussion with supervisor, two examiners, and audience.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> - <i>20% student participation (activeness) in scientific forum</i> - <i>35% accuracy in formulating research design</i>

	- <i>40% accuracy in writing, delivering material and answering question</i>
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i>

BY RESEARCH

Module Handbook Philosophy of Science

Module designation	<i>Philosophy of Science</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Prof. Ir. Edy Rianto, MSc., PhD. Prof. Ir. Sunarso, MS., PhD. Prof. Ir. V. Dwi Yuniarto B.I., MS., MSc., PhD.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lectures, Small Group Discussions, and Assignments</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>2 credit points = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Able to explain the nature of science, methods of acquiring science and applying science in society</i>
Content	<i>Discusses the meaning of observation, knowledge and science in a broad sense, including data, scientific terms and materials, hypotheses and theories, laws, predictions and explanations, principles, causes, correlations and causation, and discusses the role of science and technology in everyday life.</i>
Examination forms	<i>Exam at mid-semester and final-semester.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation). - 40% student participation (activeness) in scientific forum - 30% of the mid-semester grade - 30% of the final-semester grade</i>

Reading list	1. <i>Campbell, N. 1989. Ilmu pengetahuan Alam, Tantangan Alam tsudi. yayasan obor Indonesia. Jakarta.</i> 2. <i>Endraswara, S. 2012. Filsafat Ilmu. CAPS, Yogyakarta.</i> 3. <i>Kirkham, R.L. Teori-teori Kebenaran. Penerbit Nusa Media, Bandung. (Diterjemahkan oleh M. Khoszim)</i> 4. <i>Kleden, I. 1987. Sikap Ilmiah dan Kritik Kebudayaan. LP3ES. Gadjah Mada Univ. press. Yogyakarta</i> 5. <i>Kuhn, T.S. 1989. Peran Paradigma dalam Revolusi Sains. Remaja Karya Bandung (Diterjemahkan oleh T. Surjaman).</i> 6. <i>Ladyman, J. 2002. Understanding Philosophy Of Science. Routledge, London</i> 7. <i>Muntansyir, R. dan M. Munir. 2001. Filsafat Ilmu. Pustaka Pelajar, Yogyakarta</i> 8. <i>Russell, B. 1994. Dampak Ilmu Pengetahuan atas Masyarakat. Gramedia, Jakarta.</i> 9. <i>Salam, B. 2003. Logika Materiil. Rineka Cipta, Jakarta.</i> 10. <i>Suhartono, S. 2005. Filsafat Ilmu Pengetahuan. A-ruzz Media, Yogyakarta.</i> 11. <i>Supriyanto, S. 2013, Filsafat Ilmu. Prestasi Pustaka, Jakarta.</i>
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Module Handbook Research Methodology

Module designation	<i>Research Methodology</i>
Semester(s) in which the module is taught	<i>Second Semester</i>
Person responsible for the module	1. <i>Prof. Dr. Ir. Sumarsono, MS</i> 2. <i>Prof. Dra. Indah Susilowati, M.Sc., Ph.D.</i> 3. <i>Dr. Ir. Edy Prasetyo, M.S.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Required</i>
Teaching methods	<i>Lecturer, small group discussion, simulation, case study</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 510 minutes lecture per week (150 minutes class; 180 minutes structured task; 180 minutes independent task)</i> - <i>Mid Term Exam (100 minutes) in the eighth week and Final Exam (100 minutes) in the sixteenth week.</i>
Credit points	<i>3 Credit Point = 4,821 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to explain and apply research methodologies to develop agribusiness knowledge through a systematic scientific approach, which includes problem formulation, research design (observational or experimental), sampling techniques, data analysis, and scientific writing.</i>
Content	<i>The materials of this course include: the role of research in agribusiness, scientific thinking and research paradigms, formulation of research problems, development of theoretical frameworks, research design, sampling techniques, methods of data collection, data analysis techniques, scientific writing, and research ethics.</i>

Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>
Reading list	1. <i>Supardi. 2002. Metodologi Penelitian Ekonomi Bisnis. UII Press. Yogyakarta.</i> 2. <i>Dantes, Nyoman. 2012. Metode Penelitian. Penerbit Andi. Yogyakarta.</i> 3. <i>Singarimbun, M. Dan S. Effendi. 1989. Medode Penelitian Survai. LP3ES. Jakarta.</i> 4. <i>Santoso, Singgih. 2002. Statistik Multivariat. PT Elex Media Komputindo, Jakarta.</i> 5. <i>Suharjo, Bambang. 2013. Statistika Terapan, Disertai Contoh Aplikasi dengan SPSS. Graha Ilmu. Yogyakarta.</i> 6. <i>Santoso, Gempur. 2007. Fundamental Metodologi Penelitian, Kuantitatif dan Kualitatif. Cetakan Kedua, Prestasi Pustaka Publisher, Jakarta.</i> 7. <i>Supranto, J. 2002. Statistik, Teori dan Aplikasi. Edisi Ketujuh, Penerbit Erlangga, Jakarta</i>

Module Handbook Agribusiness Development System

Module designation	<i>Agribusiness Development System</i>
Semester(s) in which the module is taught	<i>1st semester</i>
Person responsible for the module	<i>Prof. Dr. Ir. Titik Ekowati, MSc Prof. Dr. Ir. Florentina Kusmiati, M.Sc Siwi Gayatri, SPt., MSc, PhD</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecturer, small group discussion, cooperative learning</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3,214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to analyze (C4), develop (P4), and manage agribusiness systems effectively</i>
Content	<i>The material of this course include : the scope of agribusiness, issues in agribusiness activities, financing, agribusiness technology, environmentally friendly agro-industry, Input-Process-Output (IPO) and Outcome analysis, and the role of agribusiness institutions</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through online exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>

Reading list	1. <i>Brigham EF and Houston JF, 1998. Fundamentals of Financial Management, Harcourt Inc., New York.</i> 2. <i>Bungaran Saragih, 2001. Agribisnis Paradigma Baru Pembangunan Ekonomi Berbasis Pertanian. PT Loji Grafika Griya Sarana, Bogor.</i> 3. <i>Bungaran Saragih, 2001. Suara dari Bogor (Membangun Sistem Agribisnis), . PT Loji Grafika Griya Sarana, Bogor.</i> 4. <i>BPLP Departemen Pertanian, 1993. Agribisni Departemen Pertanian RI. Jakarta.</i> 5. <i>Downey WD dan Erickson SP, 1987. Manajemen Agribisnis. Erlangga. Jakarta.</i> 6. <i>Kadarsan HW, 1992. Keuangan Pertanian dan Pembiayaan Perusahaan Agribisnis. Gramedia. Jakarta.</i> 7. <i>Mowen JC and Minor M, 2001. Consumer Behavior. H College Pub. New York.</i> 8. <i>Pambudi R, 1999. Bisnis dan Kewirausahaan Dalam Agribisnis. Pustaka Wirausaha Muda . Bogor.</i> 9. <i>Said EG dan Intan AH, 2001. Manajemen Agribisnis. Ghalia Indonesia. Jakarta.</i> 10. <i>Said EG, Rachmayati dan MZ Muttaqin, 2001. Manajemen Teknologi Agribisnis. Ghalia Indonesia. Jakarta.</i> 11. <i>Siagian SP, 1997. Manajemen Sumber Daya Manusia. Bumi Aksara, Jakarta.</i> 12. <i>Soekartawi, 1993. Prinsip Dasar Manajemen Pemasaran Hasil-hasil Pertanian. Rajawali Pers. Jakarta.</i> 13. <i>Swastha B, 1997. Manajemen Pemasaran Moderen. Liberty. Yogyakarta.</i>
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Module Handbook Environmental Economics

Module designation	<i>Environmental Economics</i>
Semester(s) in which the module is taught	2nd semester
Person responsible for the module	<i>Prof. Dr. Ir. Titik Ekowati, M.Sc.</i> <i>Ir. Joko Mariyono, M.P., Ph.D</i>
Language	<i>Indonesia, English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecture, lesson, focus group discussion, contextual learning</i>
Workload (incl. contact hours, self-study hours)	- <i>Lecture and discussion 100 minutes per week</i> - <i>120 minutes independent task</i> - <i>120 minutes of structured tasks</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to analyze (C4), evaluate (C3), and solve (A4) environmental economic problems</i>
Content	<i>This Environmental Economics course introduces the concept of Environmental Economics, its functions, and sustainable development. As a result, The Students are expected to comprehend and articulate these concepts.</i>
Examination forms	<i>Assignment, oral presentation, Midterm exam, and Final exam</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from a total of 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>

Reading list	1. <i>Djajadiningrat, S.T., Y. Hendriani and M. Famiola. 2014. Ekonomi Hijau. Revised Edition. Rekayasa Sains, Bandung.</i> 2. <i>Sukirno, S. 2011. Introduction to Microeconomic Theory. Third Edition. Raja Grafindo Persada, Jakarta.</i> 3. <i>Suparmoko, M. 2011. Microeconomic Theory. First Edition. BPFE, Yogyakarta.</i> 4. <i>Suparmoko, M. and M. Ratnaningsih. 2012. Ekonomika Lingkungan. Environmental Economics. Second Edition. BPFE, Faculty of Economics and Business, Gadjah Mada Univeristy, Yogyakarta.</i> 5. <i>Suparmoko, M. 2013. Natural Resource and Environmental Economics. Fourth Revised Edition. BPFE Faculty of Economics and Business, Gadjah Mada Univeristy, Yogyakarta.</i>
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Module Handbook Research Proposal

Module designation	<i>Research Proposal</i>
Semester(s) in which the module is taught	<i>1st semester</i>
Person responsible for the module	<i>Supervisor</i> <i>Thesis Team</i>
Language	<i>Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning.</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3,214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>The objective of the thesis proposal course is to equip students with the ability to design and develop a systematic and scientifically accountable research plan as a foundation for conducting thesis research. This includes understanding the fundamentals of scientific research, formulating clear research problems, objectives, and benefits, critically reviewing literature to build theoretical frameworks, designing appropriate methodologies, and preparing a proposal that meets academic writing standards. By completing this course, students are expected to be ready to proceed to the research implementation phase and complete a full thesis.</i>
Content	<i>The thesis proposal course is a subject offered to students to develop a research design or draft that serves as the foundation for conducting thesis research.</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through online exam.</i>

Study and examination requirements	- <i>Written proposal (50%)</i> - <i>Proposal presentation (30%)</i> - <i>Supervision attendance (10%)</i> - <i>Revised proposal submission (10%)</i>
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i>

Module Handbook Writing A Scientific Article

Module designation	<i>Scientific Article Writing</i>
Semester(s) in which the module is taught	<i>1st semester</i>
Person responsible for the module	<i>Supervisor</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecturer, small group discussion, cooperative learning</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3,214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to understand the structure and characteristics of scientific articles (C2), apply appropriate citation and referencing techniques (C3), compose a scientific article based on research results (C4), present and defend their scientific writing in academic forums (P4)</i>
Content	<i>The material of this course includes the types of academic writing, article structure, journal searching, scientific article writing techniques, determining appropriate target journals, and practical exercises in writing and revising scientific articles.</i>
Examination forms	<i>The exams are designed based on the intended learning outcomes by several methods, such as writing projects, peer-review activities, and oral presentations. Classical methods are presented through lectures and quizzes, and students are required to complete them via online examination platforms.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from a total of 16 (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>

Reading list	1. Day, R. A., & Gastel, B. (2016). How to Write and Publish a Scientific Paper. Cambridge University Press. 2. Swales, J. M., & Feak, C. B. (2012). Academic Writing for Graduate Students: Essential Tasks and Skills. University of Michigan Press. 3. Creswell, J. W. (2014). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches 4. Hartley, J. (2008). Academic Writing and Publishing: A Practical Handbook. Routledge.
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Module Handbook Research 1

Module designation	<i>Research 1</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Supervisor and thesis team</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Literature Review, Data Collection and Processing, and Presentation</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 453 minutes of lecture per week (100 minutes of classroom sessions per week, 180 minutes of structured assignments and field data gathering, and 173 minutes of independent study, critical reflection, and analytical preparation).</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Participants must have completed a course in research methodology at the postgraduate level and should demonstrate basic competency in research design, statistics, or qualitative research approaches relevant to their topic.</i>
Module objectives/intended learning outcomes	<i>1. Students are able to conduct research activities in accordance with the thesis research roadmap outlined in the Thesis Proposal.</i> <i>2. Students are able to report and present research data in the form of a Research Progress Report.</i> <i>3. Students are able to write research findings in the form of a scientific paper, either as a seminar article for an international conference or as an article for an accredited national journal.</i> <i>4. Students are able to present and publish their scientific work at indexed international seminars or in accredited national journals (at least SINTA 3 or higher).</i>
Content	<i>The course explores advanced techniques and best practices in data gathering, both quantitative and qualitative. Topics include defining operational variables, advanced sampling strategies, designing complex instruments (questionnaires, interview protocols), addressing research ethics, and handling data quality issues such as bias, reliability, and validity.</i>

Examination forms	<i>Assessment consists of a written fieldwork report, a critical analysis of the methodology used, submission of research instruments, and an academic presentation of findings. Examinations will also involve a defense session with supervisor(s) and examiners to evaluate methodological soundness and research depth.</i>
Study and examination requirements	<i>The minimum attendance at lectures is 75%, which requires 12 out of 16 attendance records (according to UNDIP regulation).</i> - <i>25% active participation in discussions and peer-review sessions</i> - <i>35% quality and coherence of the research design and data collection plan</i> - <i>40% the depth of analysis and academic presentation of field results</i>
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i> 4. <i>Creswell, J. W. (2014). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches</i>

Module Handbook Colloquium / Seminar 1

Module designation	<i>Research Proposal Seminar/Colloquium</i>
Semester(s) in which the module is taught	<i>1st semester</i>
Person responsible for the module	<i>Exam Committee</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>The course follows an application-based pedagogical approach by including interaction, individual presentations, group discussions, feedback.</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>2 credit point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Research methodology and courses related to the topic taken</i>
Module objectives/intended learning outcomes	<i>Able to describe (C4) problems, research methods, formulation (P4) data analysis and present it (A5) well.</i>
Content	<i>A part of undergraduate final project (or Bachelors dissertation). It can be a proposal of research or part of research findings. It is typically completed in the final year of a degree programme and the topic is chosen based on a student's own area of interest.</i>
Examination forms	<i>Project presentation and disucussion with supervisor, two examiners, and audience.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> - 20% student participation (activeness) in scientific forum - 35% accuracy in formulating research design - 40% accuracy in writing, delivering material and answering question
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i>

Module Handbook Research 2

Module designation	<i>Research 2</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Supervisor and thesis team</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Literature Review, Data Collection and Processing, and Presentation</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 453 minutes of lecture per week (100 minutes of classroom sessions per week, 180 minutes of structured assignments and field data gathering, and 173 minutes of independent study, critical reflection, and analytical preparation).</i>
Credit points	<i>4 Credit Point = 6,428 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Participants must have completed a course in research methodology at the postgraduate level and should demonstrate basic competency in research design, statistics, or qualitative research approaches relevant to their topic.</i>
Module objectives/intended learning outcomes	5. <i>Students are able to carry out research activities in accordance with the dissertation research roadmap outlined in the Thesis Proposal;</i> 6. <i>Students are able to report and present research data in a Research Progress Report format;</i> 7. <i>Students are able to present research results in a scientific paper in the form of an international seminar article or an article for an accredited national journal;</i> 8. <i>4. Students are able to present and publish scientific papers at indexed international seminars.</i>
Content	<i>The course explores advanced techniques and best practices in data gathering, both quantitative and qualitative. Topics include defining operational variables, advanced sampling strategies, designing complex instruments (questionnaires, interview protocols), addressing research ethics, and handling data quality issues such as bias, reliability, and validity.</i>
Examination forms	<i>Assessment consists of a written fieldwork report, a critical analysis of the methodology used, submission of research instruments, and an academic presentation of findings. Examinations will also involve a defense session with supervisor(s) and examiners to evaluate methodological soundness and research depth.</i>

Study and examination requirements	<i>The minimum attendance at lectures is 75%, which requires 12 out of 16 attendance records (according to UNDIP regulation).</i> - <i>25% active participation in discussions and peer-review sessions</i> - <i>35% quality and coherence of the research design and data collection plan</i> - <i>40% the depth of analysis and academic presentation of field results</i>
Reading list	5. <i>Faculty Handbook</i> 6. <i>Scientific Writing Guide</i> 7. <i>Reference Books According to the topic taken</i> 8. <i>Creswell, J. W. (2014). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches</i>

Module Handbook Publication 1 : National Publication

Module designation	<i>National Publication</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Supervisor and publication team</i>
Language	<i>Indonesia and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>The course applies a research-based and outcome-oriented teaching approach. Learning methods include interactive lectures, scientific writing workshops, guided individual supervision, and structured peer-review sessions to enhance academic writing competencies and prepare students for journal publication.</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes of lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>3 credit points = 4.821 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Research methodology, colloquium, and courses related to the topic taken</i>
Module objectives/intended learning outcomes	<i>Students are able to identify appropriate national and international scientific journals relevant to their field of research (C4–analyze), organize a research article by national and international academic writing standards and ethical publication practices (P4–construct), and produce as well as present a publishable draft of a scientific paper for peer and academic review through both oral and written communication (A5–demonstrate).</i>
Content	<i>This course is part of the undergraduate final project (or Master's thesis) and focuses on publishing research outcomes. Students are guided to develop a scientific article based on their research findings, which may be derived from their thesis or an independent study. The publication topic is selected according to the student's academic interest and is typically completed in the final year of the degree programme.</i>
Examination forms	<i>Submission of a scientific article manuscript intended for publication in an accredited international journal, followed by an oral presentation and academic discussion with supervisors, examiners, and/or peers.</i>

Study and examination requirements	<i>The minimum attendance at lectures is 75%, which requires 12 out of 16 attendance records (according to UNDIP regulation).</i> - <i>25% active participation in discussions and peer-review sessions</i> - <i>35% quality and completeness of the scientific manuscript</i> - <i>40% clarity, originality, and coherence during article presentation and academic discussion</i>
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i> 4. <i>Belcher, Wendy Laura. 2009. Writing Your Journal Article in 12 Weeks: A Guide to Publishing Success. New Delhi: SAGE Publications.</i> 5. <i>Epstein, Debby, Jane Kenway, and Rebecca Boden. 2005. Writing for Publication. London: SAGE Publications.</i> 6. <i>Hartley, James. 2008. Academic Writing and Publishing: A Practical Handbook. London: Routledge.</i> 7. <i>Murray, Rowena. 2005. Writing for an Academic Journal. New York: Open University Press.</i>

Module Handbook Research Result Seminar

Module designation	<i>Research Result Seminar</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Supervisor and seminar team</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Discovery learning and project based learning</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>3 credit points = 4.821 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Already present the research in Research Proposal Course</i>
Module objectives/intended learning outcomes	<i>Able to describe problems, research methods, formulation data analysis and present it well.</i>
Content	<i>A part of graduate final project (or Master Thesis). It can be a result of research or part of research findings. It is typically completed in the final year of a degree programme and the topic is chosen based on a student's own area of interest.</i>
Examination forms	<i>Project presentation and disucussion with supervisor, two examiners, and audience.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>- 20% student participation (activeness) in scientific forum</i> <i>- 35% accuracy in formulating research design</i> <i>- 40% accuracy in writing, delivering material and answering question</i>
Reading list	<i>1. Faculty Handbook</i> <i>2. Scientific Writing Guide</i> <i>3. Reference Books According to the topic taken</i>

Module Handbook Thesis Writing

Module designation	<i>Thesis</i>
Semester(s) in which the module is taught	<i>4th semester</i>
Person responsible for the module	<i>Supervisor and thesis team</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Discovery learning and project based learning</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>6 credit points = 9.642 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Fulfilled at least ... credit hours</i>
Module objectives/intended learning outcomes	<i>1. Able to describe problems, research methods, formulation data analysis and present it well.</i> <i>2. Able to demonstrate logical, critical, sytematic and innovative thinking.</i> <i>3. Able to demonstrate independent research that focusing on quality.</i> <i>4. Able to apply their expertise using scientific principles to produce solution.</i> <i>5. Able to compile the data and make synthesize to produce information.</i> <i>6. Able to develop a networking with various institution/person like government institution, farmers, researchers, and others.</i> <i>7. Capable of collecting, reducting, presenting and make a conclusion from the data.</i>
Content	<i>The thesis is a project that aim to give a students with ability to formulating the problems and looking the solution based on data and using scientific approach.</i>
Examination forms	<i>Project presentation and disucussion with supervisor, two examiners, and audience.</i>

Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> - 20% student participation (activeness) in scientific forum - 35% accuracy in formulating research design - 40% accuracy in writing, delivering material and answering question
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i>

Module Handbook Publication 2 : International Publication

Module designation	<i>International Publication</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Supervisor and publication team</i>
Language	<i>English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>The course applies a research-based and outcome-oriented teaching approach. Learning methods include interactive lectures, scientific writing workshops, guided individual supervision, and structured peer-review sessions to enhance academic writing competencies and prepare students for journal publication.</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes of lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>7 credit points = 11.249 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Research methodology, colloquium, and courses related to the topic taken</i>
Module objectives/intended learning outcomes	<i>Students are able to identify appropriate national and international scientific journals relevant to their field of research (C4–analyze), organize a research article by international academic writing standards and ethical publication practices (P4–construct), and produce as well as present a publishable draft of a scientific paper for peer and academic review through both oral and written communication (A5–demonstrate).</i>
Content	<i>This course is part of the undergraduate final project (or Master's thesis) and focuses on publishing research outcomes. Students are guided to develop a scientific article based on their research findings, which may be derived from their thesis or an independent study. The publication topic is selected according to the student's academic interest and is typically completed in the final year of the degree programme.</i>
Examination forms	<i>Submission of a scientific article manuscript intended for publication in an accredited international journal, followed by an oral presentation and academic discussion with supervisors, examiners, and/or peers.</i>

Study and examination requirements	<i>The minimum attendance at lectures is 75%, which requires 12 out of 16 attendance records (according to UNDIP regulation).</i> • <i>25% active participation in discussions and peer-review sessions</i> • <i>35% quality and completeness of the scientific manuscript</i> • <i>40% clarity, originality, and coherence during article presentation and academic discussion</i>
Reading list	1. <i>Faculty Handbook</i> 2. <i>Scientific Writing Guide</i> 3. <i>Reference Books According to the topic taken</i> 4. <i>Belcher, Wendy Laura. 2009. Writing Your Journal Article in 12 Weeks: A Guide to Publishing Success. New Delhi: SAGE Publications.</i> 5. <i>Epstein, Debby, Jane Kenway, and Rebecca Boden. 2005. Writing for Publication. London: SAGE Publications.</i> 6. <i>Hartley, James. 2008. Academic Writing and Publishing: A Practical Handbook. London: Routledge.</i> 7. <i>Murray, Rowena. 2005. Writing for an Academic Journal. New York: Open University Press.</i>

ELECTIVE COURSE

Module Handbook Small and Medium Enterprise Management

Module designation	Small and Medium Enterprise Management
Semester(s) in which the module is taught	<i>1th semester</i>
Person responsible for the module	1. <i>Dr. Ir. Siswanto I.Santoso MP</i> 2. <i>Dr.Ir.Bambang Mulyatno S.MS.</i> 3. <i>Dr.Ir Mukson</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lectures, Small Group Discussion</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>2 credit points = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<i>Able to analyze and evaluate MSMEs, qualify Micro, Small and Medium Enterprises (MSMEs), and explain MSME criteria and explain their business development.</i>
Content	<i>Definition of Micro, Small and Medium Enterprises (MSMEs); Regulations and Laws that Govern, Business Systems and Management, Business Scope; Law No. 9/1997; PP No. 44/1997; PP No. 32/1998; Presidential Instruction No. 10/1999; Presidential Decree No. 127/201; Presidential Decree No. 56/2002; Evaluating and analyzing businesses that include qualifying MSMEs in agribusiness and trading agribusiness businesses on an MSME scale.</i>
Examination forms	<i>Exam at mid-semester and final-semester.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>- 40% student participation (activeness) in scientific forum</i> <i>- 30% of the mid-semester grade</i> <i>- 30% of the final-semester grade</i>

Reading list	1. Undang –undang no 20 tahun 2008 tentang usaha mikro,kecil dan menengah 2. Prof. Nyoman Suparta dkk 2010. Manajemen Bisnis Kecil dan Kewirausahaan 3. Soe tanto Hadinoto 2005. Kunci sukses Bisnis Kredit Mikro 4. Margy Levy ad Philip Powell 2004. Strategy For Growth In SMEs. 5. Thomas W.,Zimmerer & Norman MS. 1998. Essensials Of Enterprneurship and Small Business MSt.2nd ed.
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Module Handbook Production and Operations Management

Module designation	<i>Production and Operations Management</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Dr. Ir. Wiludjeng Roessali, M.S.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lecturer, small group discussion, simulation, case study</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i> - <i>Mid Term Exam (100 minutes) in the eighth week and Final Exam (100 minutes) in the sixteenth week.</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to formulate concepts of production and operations management based on science and technology (IPTEKS) and local resources, and evaluate their feasibility through an understanding of industry dynamics and production management. This includes the ability to analyze operations management for achieving competitive advantage, product selection, forecasting, handling planning, and process strategies.</i>
Content	<i>The materials of this course include: analysis of the production industry and management, operations management for achieving competitive advantage, product selection, demand forecasting, handling and process planning strategies, as well as development strategies and existing constraints.</i>

Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam
Reading list	1. <i>Ahyari, Agus. 2002, Manajemen Produksi dan Perencanaan Sistem Produksi, Edisi 4, BPFE, Yogyakarta.</i> 2. <i>Brown, Blackmon, Bousins and Maylor (2013) Operation Management. Planta Tree, Italy.</i> 3. <i>Chase, Richard B., Nicholas J. Aquilano, F. Robert Jacobs, 2001, Operations Management for Competitive Advantage, 9th Edition, Mc Graw-Hill Companies, Inc., New York.</i> 4. <i>Chase, Richards B., Aquilano, Nicholas J. dan Jacobs. 2006. Production and Operation Management : Manufacturing and Services, 8th Edition, New York, McGrawHill.Inc.</i> 5. <i>Gasperz, Vincent. 2004. Production Planning and Inventory Control. Jakarta: PT Gramedia Pustaka Utama.</i> 6. <i>Handoko, T Hani. 2000. Dasar – Dasar Manajemen Produksi dan Operasi. Edisi 1. Yogyakarta. BPFE Yogyakarta.</i> 7. <i>Heizer, Jay & Render, Barry. 2005. Manajemen Operasi. Salemba Empat. Jakarta. Indonesia.</i> 8. <i>Jones and Robinson. 2012. Books Operation Management. Oxford University.</i> 9. <i>Kolli, Sai. 2000. The Essentials of Production & Operations Management. New Jersey : Research & Education Association.</i> 10. <i>Mahadevan.2009. Book Operation Management: Theory And Practice. South Asia. India.</i> 11. <i>Panneerselvam, R. 2012. Production And Operational Management. PHI Learning Private Limited. New Delhi.</i> 12. <i>Render, Barry and Jay Heizer, 2006, Operation Management, 8thEdition, Prentice Hall, Inc. Upper Saddle River, USA.</i> 13. <i>Rio Dwi Hariono, 2011. Skripsi: Analisis Jadwal Induk Produksi Pembuatan Peti Aluminium, Gunadarma.</i>

	14. Schniederjans, Marc.J dan Ciao,Qing. 2002. <i>E-Commerce Operations Management</i>. New Jersey : World Scientific Publishing. Co. Pte. Ltd. 15. Slack, Nigel., Chambers, Stuart., Johnston, Robert., & Betts, Alan. 2006. <i>Operations And Process Management</i>. Pearson Education. Spain. 16. Stevenson William J., 2002, <i>Operation Managemen</i>, 7thEdition, Mc Graw Hill, New York. 17. Umar.2001. <i>Book Strategic Management in Action</i>. Gramedia Pustaka Utama.
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Module Handbook Managerial Accounting

Module designation	Managerial accounting
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>1. Prof Dr. Ir. Titik Ekowati, M.Sc.</i>
Language	<i>Indonesia, English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lecture, lesson, focus group discussion, contextual learning</i>
Workload (incl. contact hours, self-study hours)	<i>- Lecture and discussion 100 minutes per week</i> <i>- 120 minutes independent task</i> <i>- 120 minutes of structured tasks</i>
Credit points	<i>2 Credit Points = 3.214</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to analyze (C4), develop (P4), and design an accounting system (A4)</i>
Content	<i>Managerial accounting is a systematically organized activity to understand what management does, the information needed by managers, and its business environment. Some aspects that are necessary include the importance of managerial economics and managerial accounting in the business environment, particularly in agribusiness, the approach to cost concepts, production and demand, cost planning, the basic structure of accounting, the role of management accounting, the concepts of management accounting, and investment criteria within the scope of business operations.</i>
Examination forms	<i>Assignment, oral presentation, Midterm exam, and Final exam</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from a total of 16 times (according to UNDIP regulation).</i> <i>Grading:</i> <i>- 20% Assignment and oral presentation</i> <i>- 40% Midterm exam</i> <i>- 40 % Final exam</i>

Reading list	1. <i>Al Haryono Yusuf. 1999. Fundamentals of Accounting. STIE YKPN, Yogyakarta.</i> 2. <i>Bambang Riyanto. 1978. Fundamentals of Corporate Finance. Gadjah Mada University Press, Yogyakarta.</i> 3. <i>Ciaran Walsh. 2003. Key Management Ratios. 3rd Edition. Erlangga, Jakarta.</i> 4. <i>Ellen Christina, M. Fuad, Sugiarto, and Edy Sukarno. 2002. Corporate Budgeting. Gramedia, Jakarta.</i> 5. <i>Garrison and Noreen. 2000. Managerial Accounting. Salemba Empat. McGraw-Hill Companies, Inc. (Translated by T. Budisantoso).</i> 6. <i>Hansen and Mowen. 2003. Management Accounting. 6th Edition, South-Western, Thomson Learning.</i> 7. <i>Munawir. 2001. Financial Statement Analysis. 4th Edition, Liberty, Yogyakarta.</i>
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Module Handbook Consumer Behavior

Module designation	<i>Consumer Behavior</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Ir. Kustopo Budiraharjo, M.P.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecturer, small group discussion</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Able to explain (C2) and classify (A3) consumer behavior concepts, as well as integrate them (P4) into marketing strategies.</i>
Content	<i>This course explores the fundamental concepts of consumer behavior and their application in marketing strategies, including: cognition, affection, consumer knowledge and involvement with products, consumer behavior and organizational behavior, consumer protection, information processing, consumer decision-making processes, conditioning and learning processes, the influence of various factors on consumer behavior, environmental influences on consumer behavior, market segmentation and product positioning, as well as consumer behavior concepts in product strategy, promotional strategy, pricing strategy, distribution channel strategy, and e-commerce.</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through online exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i>

	<i>Grading:</i> - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam
Reading list	1. Peter, J.P. and J.C. Olson. 2005. <i>Consumer Behavior and Marketing Strategy</i>. 7th edition. 2. Engel. J.F., R.D. Blackwell and P.W. Winiard. 1994. <i>Perilaku Konsumen (edisi 6 Jilid 1)</i>. Alih bahasa : F.X. Budiyo. Binarupa Aksara. Jakarta 3. Suryani, T. 2008. <i>Perilaku Konsumen (Implikasi pada Strategi Pemasaran)</i>. Graha ilmu, Yogyakarta. 4. Tjiptono, Fandy, 2008. <i>Strategi Pemasaran (edisi 3)</i>. Penerbit Andi, Yogyakarta.

Module Handbook Marketing Strategy

Module designation	<i>Marketing Strategy</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Dr. Ir. Wiludjeng Roessali, Msi</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lecturer, small group discussion, simulation, case study</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to explain, analyze, and apply marketing strategy as a field of knowledge, which in turn can be used as a basis for decision-making in marketing programs or activities.</i>
Content	<i>The material of this course include : the scope of marketing management and marketing issues, the urgency of marketing management, market structure, company insights into the market, market demand forecasting, market segmentation, marketing strategies and policies (4P), and the measurement of marketing efficiency.</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>

Reading list	1. <i>Gitosudarmo, I. 2000. Manajemen Pemasaran. Edisi Pertama. Penerbit BPFE, Yogyakarta</i> 2. <i>Guiltan, J.P. dan G.W. Paul. 1994. Strategi dan Program Manajemen Pemasaran. Penerbit Erlangga. Ed.Ke –2.</i> 3. <i>Kotler, P. 1997. Manajemen Pemasaran. PT. Prenhallindo, Jakarta.</i> 4. <i>Mursid, M. 1997. Manajemen Pemasaran. Penerbit Bumi Aksara Jakarta Bekerjasama dengan PAU – Studi Ekonomi UI, Jakarta.</i> 5. <i>Soekartawi. 1993^a. Manajemen Pemasaran dalam Bisnis Modern. Penerbit Pustaka Sinar Harapan, Jakarta.</i> 6. <i>Soekartawi. 1993^b. Prinsip Dasar Manajemen Pemasaran Hasil-hasil Pertanian. Rajawali Press, Jakarta.</i> 7. <i>Tjiptono, F. 1997. Strategi Pemasaran. Penerbit Andi, Yogyakarta.</i>
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Module Handbook Business Law

Module designation	<i>Business Law</i>
Semester(s) in which the module is taught	<i>2nd semester</i>
Person responsible for the module	<i>Dr. Paramita Prananingtyas, S.H, LLM</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lectures, Discussions, Case Studies and Discovery Learning, Individual Assignments</i>
Workload (incl. contact hours, self-study hours)	<i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i>
Credit points	<i>2 credit points = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>The Business Law course will lead students to understand, comprehend, and be able to implement business law through the provision of materials regarding contracts; forms of business entities; the process of establishing a business entity; the process of dissolving a business entity; the process of developing a business entity; business competition; good corporate governance and business ethics.</i>
Content	<i>The Corporate Law and Bankruptcy course will provide students with material on the forms of business entities in general and specifically such as Civil Partnerships, Firms, CVs, PTs, Cooperatives, business contracts, business competition, GCG and business ethics.</i>
Examination forms	<i>Exam at mid-semester and final-semester.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>- 40% student participation (activeness) in scientific forum</i> <i>- 30% of the mid-semester grade</i> <i>- 30% of the final-semester grade</i>
Reading list	<i>1. Muhammad, Abdulkadir, <u>Hukum Perusahaan Indonesia</u>, (Bandung, PT. Citra Aditya Bakti, 2010)</i>

	2. Munir Fuady, <u>Perseroan Terbatas Paradigma Baru</u>, (Bandung: Citra Aditya Bakti, 2003) 3. Prasetya, Rudhi, <u>Kedudukan Mandiri Perseroan Terbatas: Disertai dengan Ulasan menurut UU Nomor 1 Tahun 1995 tentang Perseroan Terbatas</u>, (Bandung: PT. Citra Aditya Bakti, 1995) 4. Purwosutjipto, <u>Pengertian Pokok Hukum Dagang Indonesia; Bentuk-Bentuk Perusahaan</u>, (Jakarta: Djambatan, 1999) 5. Abdul Hakim Hakim Garuda Nusantara & Benny K. Harman, <u>Analisa dan Perbandingan Undang- Undang Antimonopoli</u>, (Jakarta: Elex Media Komputindo, 1999). 6. Anggraini, A.M. Tri, <u>Larangan Praktek Monopoli dan Persaingan Tidak Sehat Perse Illegal atau Rule of Reason</u>, (Jakarta: Program Pascasarjana Fakultas Hukum Universitas Indonesia, 2003) 7. Ginting, Elyta Ras, <u>Hukum anti monopoli Indonesia: analisis dan perbandingan Undang- Undang nomor 5 tahun 1999</u>, (Bandung: PT Citra Aditya Bakti, 2001.) 8. Khemani, R.S., dkk., <u>Kerangka Rancangan dan Pelaksanaan Undang-Undang dan Kebijakan Persaingan</u>, (Washington DC dan Paris: Bank Dunia dan OECD, 1999) 9. Maulana, Insan Budi, <u>Catatan singkat Undang-Undang nomor 5 tahun 1999 Tentang Larangan Praktek Monopoli dan Persaingan Usaha Tidak Sehat</u>, (Bandung: PT Citra Aditya Bakti, 2000). 10. Nurhayati, Inna. "Kajian Hukum Persaingan Usaha: Kartel Antara Teori dan Praktik." <u>Jurnal Hukum Bisnis</u> 30.02 (2011). 11. Rajagukguk, Erman, <u>Hukum Anti Monopoli Indonesia</u>, (Bandung: PT Citra Aditya Bakti, 2001) 12. Adrian Sutedi, <u>Hak Atas Kekayaan Intelektual</u>, Jakarta, Sinar Grafika, 2009 13. Khaerul H Tanjung, <u>Hak Kekayaan Intelektual</u>, (Jakarta: 2007). 14. <u>Undang-Undang Dasar Negara Republik Indonesia Tahun 1945</u> 15. <u>Kitab Undang-Undang Hukum Perdata</u> 16. <u>Kitab Undang-Undang Hukum Dagang</u> 17. <u>Undang-undang Nomor 40 Tahun 2007 tentang Perseroan Terbatas.</u> 18. <u>Undang-Undang Nomor 5 Tahun 1999 tentang Larangan Praktik Monopoli dan Persaingan Usaha Tidak Sehat.</u> 19. <u>Undang Undang no 11 tahun 2020 tentang Cipta Kerja</u> 20. <u>Undang-undang Republik Indonesia Nomor 28 Tahun 2014 Tentang Hak Cipta</u>
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	21. <u>Undang-undang Republik Indonesia Nomor 13 tahun 2016 tentang Paten</u>
	22. <u>Undang-undang Republik Indonesia Nomor 20 Tahun 2016 Tentang Merek</u>
	23. <u>Undang-undang Republik Indonesia Nomor 31 Tahun 2000 Tentang Desain Industri</u>
	24. <u>Undang-undang Republik Indonesia Nomor 32 Tahun 2000 Tentang Desain Tata Letak Sirkuit Terpadu</u>
	25. <u>Undang-undang Republik Indonesia Nomor 30 Tahun 2000 Tentang Rahasia Dagang</u>
	26. <u>Undang-undang Republik Indonesia Nomor 29 Tahun 2000 Tentang Perlindungan Varietas Tanaman</u>

Module Handbook Agricultural and Livestock Agribusiness Resources

Module designation	<i>Agricultural and Livestock Agribusiness Resources</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Ir. Karno, M.Appl.Sc., Ph.D. Prof. Ir. Dwi Sunarti, M.S., Ph.D. Dr. Ir. Marry Christiyanto, M.P.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lecturer, small group discussion, simulation, case study</i>
Workload (incl. contact hours, self-study hours)	• <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes assignment; 120 minutes doing self-project)</i> • <i>Mid Term Exam (100 minutes) in the eighth week and Final Exam (100 minutes) in the sixteenth week.</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to apply and design strategies for the development of agricultural and livestock resources (ruminants and non-ruminants) within the context of agribusiness in tropical regions. In addition, students are expected to foster interest, appreciation, and concern regarding the challenges and potential of agricultural and livestock resources, and promote sustainable agribusiness development in Indonesia..</i>
Content	<i>The materials of this course include: an overview of agricultural and livestock resources, both biotic and abiotic (e.g., soil, water), sustainable farming systems, development and utilization of non-ruminant and ruminant livestock resources, evaluation of their economic value, strategic approaches for resource development, and challenges in sustainable agribusiness practices in tropical regions.</i>

Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>
Reading list	1. <i>BMZ dan GTZ. 1984. Regional Rural Development. Guiding Principles. GTZ.Eschborn.</i> 2. <i>Geertz, C. 1983. Involusi Pertanian, Proses Perubahan Ekologi di Indonesia. Bhratara Karya Aksara. Jakarta</i> 3. <i>Mosher, A. T. 1981.Three Ways to Spur Agricultural Growth TATA McGraw-Hill. New Delhi</i> 4. <i>Schelling, Thomas., 1966. The Strategy of Conflict. Galaxy Book. NY.</i>

Module Handbook Agribusiness Planning

Module designation	Agribusiness Planning
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Prof. Dr. Ir. Titik Ekowati, M.Sc. Prof. Agus Setiadi S.Pt., M.Si., Ph.D.</i>
Language	<i>Indonesia, English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lecture, lesson, focus group discussion, contextual learning</i>
Workload (incl. contact hours, self-study hours)	<i>- Lecture and discussion 100 minutes per week - 120 minutes independent task - 120 minutes of structured tasks</i>
Credit points	<i>2 credit points = 3.214</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Upon studying and understanding the fundamental concepts and principles of Agribusiness Planning, students are expected to be capable of developing concepts, formulating comprehensive agribusiness plans, and effectively implementing agribusiness planning within agribusiness operations</i>
Content	<i>An understanding of the fundamental principles of agribusiness planning, encompassing strategic planning, management of production and distribution processes, marketing planning, distribution planning, capital planning, and business performance evaluation.</i>
Examination forms	<i>Assignment, oral presentation, Midterm exam, and Final exam</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from a total of 16 times (according to UNDIP regulation). Grading: - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam</i>

Reading list	1. Bungaran Saragih. (2001). <i>Agribusiness: A New Paradigm of Agriculture-Based Economic Development</i>. PT Loji Grafika Griya Sarana, Bogor. 2. Bungaran Saragih. (2001). <i>Voices from Bogor: Building an Agribusiness System</i>. PT Loji Grafika Griya Sarana, Bogor. 3. BPLP Ministry of Agriculture. (1993). <i>Agribusiness – Ministry of Agriculture of the Republic of Indonesia</i>. Jakarta. 4. Downey, W.D. & Erickson, S.P. (1987). <i>Agribusiness Management</i>. Erlangga, Jakarta. 5. Kadarsan, H.W. (1992). <i>Agricultural Finance and Agribusiness Enterprise Funding</i>. Gramedia, Jakarta.
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Module Handbook Strategy and Policy of Food Security

Module designation	<i>Strategy and Policy of Food Security</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Dr.Ir. Mukson, MS Dr.Ir. Wulan Sumekar, MS Prof.Dr. Ir. Anang M. Legowo, MSc</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecturer, Discussion</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Able to analyze the existence of the food system, develop and evaluate food development systems and policies/programs covering aspects of production, distribution, and consumption in order to enhance food security, self-sufficiency, and sovereignty.</i>
Content	<i>This course studies and analyzes food system models including production, distribution, consumption, and utilization across various regions. It examines food security, self-sufficiency, and sovereignty, their link to the SDGs, and the role of food technology and environmental resources. It also reviews food policies and programs, evaluates their impacts, and explores strategies to strengthen national food resilience and the quality of human resources.</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through online exam.</i>

Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - 20% Assignment and oral presentation - 40% Midterm exam - 40 % Final exam
Reading list	1. <i>Almatsier, S. 2003. Prinsip Dasar Ilmu Gizi. Cetakan ke-2. Penerbit PT. Gramedia Pustaka Utama, Jakarta</i> 2. <i>Aritonang, I. 2000. Krisis Ekonomi : Akar Masalah Gizi. Penerbit Media Pressindo, Yogyakarta</i> 3. <i>Berg. A. 1986. Peranan Gizi dalam Pembangunan Nasional. CV. Rajawali, Jakarta</i> 4. <i>Departemen Pertanian. 1999. Informasi Pangan dan Gizi Proyek Diversifikasi Pangan dan Gizi Pusat, Jakarta.</i> 5. <i>Dirhamsyah T, J. Handoyo Mulyo, D. Hadi Darwanto, S. Hartono. 2016. Ketahanan Pangan. Penerbit Plantaxia, Yogyakarta.</i> 6. <i>Handayani, S. 1994. Pangan dan Gizi. Sebelas Maret University Press.</i> 7. <i>Hardiansyah dan D. Briawan. Penilaian dan Perencanaan Konsumsi Pangan Jurusan Gizi Masyarakat dan Sumber Daya Keluarga Fakultas Pertanian, IPB, Bogor</i> 8. <i>Roedjito, D. 1987. Perencanaan Gizi, MSP.</i> 9. <i>Suhardjo, et.al. 1986. Pangan, Gizi dan Pertanian. UI Press, Jakarta.</i> 10. <i>Suryana, A. 2003. Kapita Selekta Evolusi Pemikiran Kebijakan Ketahanan Pangan. Cetakan Pertama. Penerbit BPFE, Jakarta.</i> 11. <i>UU Pangan No. 18 Tahun 2012.</i> 12. <i>Winarno, F.G. 1985. Kimia Pangan dan Gizi, Gramedia, Jakarta.</i> 13. <i>Bahan diskusi system pangan oleh BAPPENAS Tahun 2021</i>

Module Handbook Agribusiness Development Strategy

Module designation	<i>Agribusiness Development Strategy</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	<i>Prof. Ir. Anang Mohamad Legowo, MSc., Ph.D. Prof. Ir. Yohanes Hutabarat, MSc., Ph.D. Prof. Ir. Agus Hermawan, M.Sc. PhD.</i>
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Contextual Instruction and Discovery Learning</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3,214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students are able to analyze (C-4) and articulate (P-4) the concept of agribusiness development strategies in order to promote a robust agribusiness system from upstream to downstream.</i>
Content	<i>The material of this course include : the scope of agribusiness strategy development, components and evolution of strategic management, strategic issues in agribusiness companies, environmental analysis, strategy formulation, agribusiness strategy implementation, and strategy evaluation and control.</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i>

	- 40 % <i>Final exam</i>
Reading list	1. <i>Reksohadiprodjo, S. 2003. Manajemen Strategi. PT. BPFE, Yogyakarta.</i> 2. <i>Muhammad, S. 2004. Manajemen Strategik, Konsep, dan Kasus. UPP AMP YKPN, Yogyakarta</i> 3. <i>Purwanto, I. 2007. Manajemen Strategi. CV. Yrama Widya, Bandung.</i> 4. <i>Gumbira – Sai'id, E; Rachmayanti dan Muttaqin, M.Z. 2004. Manajemen Teknologi Agribisnis. PT. Ghalia Indonesia dan MMA-IPB. Jakarta.</i> 5. <i>Mangunwijaya, D., I. Saillah. 2005. Pengantar Teknologi Pertanian. Penebar Swadaya. Jakarta</i>

Module Handbook Communication Strategy

Module designation	<i>Communication Strategy</i>
Semester(s) in which the module is taught	<i>3rd semester</i>
Person responsible for the module	xxxx
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lecturer, small group discussion, problem based learning</i>
Workload (incl. contact hours, self-study hours)	- <i>Equivalent to 340 minutes lecture per week (100 minutes class; 120 minutes independent task; 120 minutes structured task)</i> - <i>100 minutes Mid Term Exam in the eighth week and Final Exam in the sixteenth week</i>
Credit points	<i>2 Credit Point = 3.214 ECTS</i>
Required and recommended prerequisites for joining the module	<i>No required prerequisite</i>
Module objectives/intended learning outcomes	<i>Students have an understanding of basic concepts, communication strategies and tactics in target determination, message development, media selection, and evaluation, as well as the ability to design strategic communication programs in the agricultural sector.</i>
Content	<i>The materials covered in this course include the scope and concept of communication strategy, the urgency and benefits of communication strategy, models of communication strategy, communication dynamics, target audience analysis, factors influencing communication strategy, communication strategy control, case studies of successful and failed communication strategies in Indonesia, as well as the planning, implementation, and evaluation of communication strategies</i>
Examination forms	<i>The exams design based on learning outcome by several methods such as study case, project and presentation. Classical method provides by lectures for giving some quiz and students requires to answer it through exam.</i>
Study and examination requirements	<i>Minimum attendance at lectures is 75%: 12 attendance from total 16 times (according to UNDIP regulation).</i> <i>Grading:</i> - <i>20% Assignment and oral presentation</i> - <i>40% Midterm exam</i> - <i>40 % Final exam</i>

Reading list	1. <i>Cangara, H. 2013. Perencanaan & Strategi Komunikasi. RajaGrafindo Persada. Jakarta. ISBN 978-979-769-551-4.</i> 2. <i>Dan O'Hair, Gustav W. Friedrich, Lynda Dee Dixon. Strategic Communication in Business and the Professions. 8th Edition. Pearson Publisher.</i> 3. <i>FAO. 2014. Communication for Rural Development: A Sourcebook. Food and Agriculture Organization, Roma.</i> 4. <i>Kristina Boone, Terry Meisenbach, Mark Tucker. Agricultural Communications: Changes and Challenges</i> 5. <i>Paul, C. 2011. Strategic Communication: Origins, Concepts, and Current Debates. Praeger (Bloomsbury Academic). ISBN 978-0313386411.</i>
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