



Subject Module
 Department of Agribusiness
 Faculty of Agriculture
 University of Islam Malang

MODULE HANDBOOK

Module Title	Farming Science
Module Level, if available	Undergraduate Study Program of Agribusiness
Course Code	MKW60722
Headings, if available	-
Course (MK)	Farming Science
Semester	4
Course Coordinator	Ir. Farida Syakir, MP.
Teaching Team	Lia Rohmatul Maula, SP., MP.
Language of instruction	Indonesian language/English
Linkages with the Curriculum	Study Program : Agribusiness Specialization: Agribusiness Type: Compulsory/ Elective
Learning Methods and Duration	<ol style="list-style-type: none"> 1. Lecture: 100 minutes/meeting (14 meetings) 2. Practicum: 170 minutes/meeting (8 meetings) 3. Structured Assignments/individual and group Assignments presentation
Student Study Load	<ol style="list-style-type: none"> 1. Lecture: 100 minutes/meeting (14 meetings) 2. Practicum: 170 minutes/meeting (8 meetings) 3. Structured Assignments/quiz/group presentation 4. Attendance: 75% of total attendance
Credit Weight	3 credits or 5.1 ECTS
Requirements for Passing the Course	<ul style="list-style-type: none"> • Attendance $\geq 75\%$ • The final score of all the components of the learning evaluation ≥ 50 The final score component: <ul style="list-style-type: none"> • 20% Midterm Exam • 20% Final Exam • 30% Practicum • 20% Structured Assignments (individual and group) • 10% Presence
Prerequisite Courses	Agricultural Economics
Learning Outcomes	The expected learning outcomes are: <ol style="list-style-type: none"> 1. Able to respond to problems regarding entrepreneurship, agribusiness, and green food. (ILO 1) 2. Able to evaluate projects in accordance with the techniques, methods, constrains, interpret data, and conclude it (ILO 6) 3. Able to implement agribusiness entrepreneurs that meets the principles of food health and safety (ILO 7)

<p>Learning Content</p>	<p>After completing this course students are able to:</p> <ol style="list-style-type: none"> 1. Students are able to define farming science and describe how it relates to other disciplines. 2. Students are able identify to classify farming, articulate the concept of tri singular agriculture and fundamental components of farming. 3. Students able to analyze of the aspects that contribute to farming's success. 4. Able to analyze of farming costs, cost-benefit analysis and income analysis. 5. Able to implement in agricultural efficiency analysis, assess farming investment feasibility analyses (including linear programming). <p>The following subjects are covered:</p> <ol style="list-style-type: none"> 1. Introduction; 2. Farm Classification; 3. Three in one of farming 4. Fundamental Elements of Agriculture; and 5. Factors Affecting Farm Success. 6. Agriculture Development 7. Non-Land Based Farming 8. Farming Economics Principles 9. Farm Bookkeeping 10. Agriculture Research 11. Production Functions, Costs, and Revenues Analysis 12. Analysis of Farming Efficiency 13. Budget Analysis in Part Feasibility Analysis of Farm Investments (Including Linear Programming) 14. Farm Planning and Risk Management
<p>Test Terms and Forms</p>	<p>Examination requirements: A minimum of 75 % attendance to attend the final exam</p> <p>Forms of examination: Essay</p>
<p>Learning Media</p>	<p>Projector and screen, Zoom application, Google Classroom, e-book, WA Group, Learning Management System (LMS UNISMA), Youtube</p>
<p>References</p>	<p>Main reference:</p> <ol style="list-style-type: none"> 1. Bayu, K. 2001. Agribisnis. Yayasan Pengembangan Sinar Tani. Jakarta. 2. Beneke, R.R. and r. Winterboer. 1973. Linier Programming Applications to Agriculture. Iowa State University Press. Ames Iowa. 3. Calkins, P.H., D.D. Dipietre. 1983. Farm Business Management : Successful Decisions in a Changing Environment. Macimilan Publishing Co, Inc. 4. Deborah, T.S (yearbook Editor). 1989. Farm Management. How to Achieve Your Farm Business Goals. 5. Doll, J.P, F. Orazem. 1984. Production Economics Theory with Applications. Second Edition. John Wiley & Sons, Inc.

6. Efferson, J.N. 1953 Principles of Farm Management. Mc Graw Hill Book Co. New York.
7. Fadholi Hernanto, 1989, Ilmu Usahatani, Penerbit Penebar Swadaya, Jakarta.
8. Halcrow, H.G. 1981 Economics of Agriculture. Mc. Graw Hill International Book Co. New York.
9. Harsh, S.B., L.J. Connor and G.D. Schwab. 1981. Managing the Farm Business. Prentice Hall, Inc. Englewood Cliffs New Jersey.
10. Kadariyah dkk, 1978, Pengantar Evaluai Proyek, Lembaga Penerbit FEUI, jakarta

Supporting reference:

1. Makehan, J.P. 1991. Manajemen Usahatani Daerah Tropis.
2. Noerdin N. Zen, 1985 , Teori Ekonomi mikro Institut Pertanian Bogor
3. Soekartawi. 2006. Analisis Usahatani. Penerbit Universitas Indonesia (UI PRESS). Jakarta.
4. Soekartawi, A. Soehardjoo, J.L. dillon, J.B Hardaker. 1986. Usahatani dan Penelitian untuk Pengembangan Petani Kecil. Penerbit Universitas Indonesia. Jakarta.
5. Soeharjo A. dan Dahlan Patong, 1973, Sendi-sendi Pokok Ilmu Usahatani , Institut Pertanian Bogor.
6. Sukartawi dkk., 1986, Ilmu Usahatani , Penerbit Universitas Indonesia, Jakarta.
7. Tan, Bi, K. Adulavidhaya, I,J. Singh, J.C. flinn, SE.ONG. 1980. Improving Farm Management Teaching in Asia. The Agricultural Development Council, Inc. Bangkok.