	Universitas Brawijaya
	Faculty of Mathematics and Natural Sciences
	Department of Statistics / Bachelor Statistics Study Programme

Module Handbook

Module Name:	Management Information System (MAS61136)
Module Level:	Bachelor
Abbreviation, if applicable:	-
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	5th/ Second Year
Module Coordinator(s):	Darmanto, S.Si., M.Si.
Lecturer(s):	Samingun Handoyo, S.Si., M.Cs.
Language:	Indonesian
Classification within the curriculum:	Elective course
Teaching format / class per week during semester:	3×50 minutes
Workload:	2.5 hours lectures, 3 hours structural activities, 3 hours individual studies, 16 weeks per semester, and total 136 hours per semester 4.5 ECTS
Credit Points:	3
Requirements:	Introduction to Regression Analysis (MAS62122)
Learning goals / competencies:	**General Competence (Knowledge):**
	ILO1 — The students are able to master basic scientific concepts and statistical analysis methods applied on computing, social science, humanities, economics, industry and life science.
	ILO3 — The students are able to manage, analyze, and complete the real case using statistical method on computing, social humanities, economics, industry and life science that helped by software, then present and communicate the results.
	ILO4 — The students are able to master at least two statistical softwares, including based on open source.
	ILO5 — The students are able to apply logical, critical, systematic, and innovative thinking independently when applied to science and technology that contain humanities values, based on scientific principles, procedures and ethics with excellent and measurable results.

		ILO8	The students are able to apply and internalize the spirit of independence, struggle, entrepreneurship, based on values, norms, and academic ethics of Pancasila in all aspects of life.
	Specific Competence:		
		M1	Students are able to understand and explain the concepts of management information systems models (ILO3, ILO1, ILO5, ILO8).
		M2	Students are able to make a simple transaction processing system with MS Access (ILO3, ILO4, ILO5, ILO8)
Contents:		1	The concepts of information and system
		2	The concepts of information system
		3	The concept of organization and management
		4	Models in information systems
		5	The concept of a transaction / operational system
		6	Expert system concept
		7	Decision support system concept
		8	Knowledge system concept
		9	Implementation of transaction systems with MS Access, E-commerce, social media / social networking
Soft skill attribute:	Responsible, independently, and discipline		
Study/exam achievement:	Final score (NA) is calculated as follow: 15% Assignments, 20% Quizzes, 30% Midterm Exam, 30% Final Exam, 5% Attitude Final index is defined as follow: A : > 80 - 100 B+ : > 75 - 80 B : > 69 - 75 C+ : > 60 - 69 C : > 55 - 60 D+ : > 50 - 55 D : > 44 - 50 E : 0 - 44		
Forms of media:	R, MS Office, MS. Excel, Laptop, LCD projector,		
Learning methods:	Lecture, assessments, and discussion		
Literature:	Main:		
	Prter, L.W. and Robert, K. 1977. Communication in Organization, London		
	Support:		

	Eliason, A.L. and Kitts, K.D. 1979. Business Computer System an Applications. Palo, California
Notes:	