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MODULE HANDBOOK

Module Name	Analisis Multivariat (Multivariate Analysis)
Module level, if applicable	Master Program
Code, if applicable	MMM5404
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	4/Second year
Person responsible for the module	Chair of Statistics Laboratory
Lecturer(s)	Dr. Gunardi, M.Si.
Language	Bahasa Indonesia
Relation to curriculum	Elective for Master Degree in Mathematics,
Teaching methods	3 hours lecture
Workload (incl. contact hours, self-study hours)	3 hours lectures, 6 hours individual study, 14 weeks per semester, and total 126 hours a semester
Credit points	3

Required and recommended prerequisites for joining the module	-				
Module objectives/intended learning outcomes	 On successful completion of this course, students should be able to: CO 1 understands Multivariate Random Variables CO 2 understands the Theory of Estimation dan Hypothesis Testing CO 3 understands Multivariate techniques CO 4 Aply Multivariate analysis 				
Content	Multivariate Random Variables, Multivarite distributions, Theory of the Multinormal, Theory of Estimation, Hypothesis testing, Principal components analysis, Factor analysis, Cluster analysis, Discriminant analysis, Corespondence analysis.				
Examination forms	oral presentation and essay.				
Study and examination requirements	The weight of assignments will be as follows:1. Quiz, homework, presentation30%2. Mid-semester exam35%3. Final exam35%				
Media employed	online platforms, Learning management systems, LCD projectors, and whiteboards.				
Reading list	 Hardle, W. and Simar L., 2007, Applied Multivariate Statistical Analysis, Springer Berlin Khattree, R. and Naik, D. N., 2003, Applied Multivariate Statistics with SAS Software, John Wiley & Sons, Inc. 				

CO-PLO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
CO 1	X						
CO 2		Х					
CO 3			х				
CO 4				х			

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