	Universitas Brawijaya **Faculty of Mathematics and Natural Sciences** **Department of Statistics / Bachelor Statistics Study Programme**
Module Handbook	
Module Name:	Capita Selecta of Statistical Economics (MAS61335)
Module Level:	Bachelor
Abbreviation, if applicable:	-
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	6th / Third Year
Module Coordinator(s):	Dr. Ir. Solimun, MS.
Lecturer(s):	Dr. Ir. Solimun, MS.
Language:	Indonesian
Classification within the curriculum:	Elective course
Teaching format / class per week during semester:	2 × 50 minutes
Workload:	1.67 hours lectures, 2 hours structural activities, 2 hours individual studies, 16 weeks per semester, and total 90.67 hours per semester 3 ECTS
Credit Points:	2
Requirements:	≥ 100 credit points
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.
	ILO2 The students are able to arrange and/or choose an efficient data collection/ data generated design that applies in surveys, experiments or simulations.
	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.
	ILO6	The students are able to take appropriate decisions to solve the problems expertly, based on the information and data analysis.
	ILO7	The students are able to improve and develop a job networks, then supervise and evaluate the team's performance they lead.
	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 understand the general concept of economic and research problems in economics (ILO3, ILO1, ILO4, ILO5)
	M2	Students understand the concept of development economics and the problem of scientific research in the development economics (ILO3, ILO1, ILO4, ILO5)
	M3	Students understand the concept of management and scientific research problems in management (ILO3, ILO1, ILO4, ILO5)
	M4	Students understand the concepts of accounting and scientific research problems in accounting (ILO3, ILO1, ILO4, ILO5)
	M5	Students are able to understand the types of variables in economics research (ILO3, ILO4, ILO5, ILO8)
	M6	Students are able to understand current methods of data analysis data in economics (ILO3, ILO4, ILO5)
	M7	Students are able to apply current methods of data analysis data in economics (ILO3, ILO4, ILO5, ILO8)
Contents:	1	Explanation of the concept of economics and research approaches in economics. Some current statistical methods that are often used in Economics (Development Economics, Management, and Accounting)
	2	Overview of Development Economics
	3	Overview of Management

	4	Overview of Accounting
	5	Research variables in Economics, Management, and Accounting
	6	Statistical modeling in the Development Economics, Management, and Accounting
	7	The rules of data analysis in Economics
Soft skill attribute:	Responsible, independently, and discipline	
Study/exam achievement:	Final score (NA) is calculated as follow: 20% Assignments, 20% Quizzes, 30% Midterm Exam, 30% Final Exam 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:	Software (WarpPLS), Laptop, LCD projector, whiteboard	
Learning methods:	Lecture, assessments, and discussion	
Literature:	Main:	
	1. Putong Iskandar, (2003), Pengantar Ekonomi Mikro dan Makro, Ghalia Indonesia.	
	2. Astuti, S., Solimun dan Darmanto. 2018. Analisis Multivariat: Teori dan Aplikasinya dengan SAS. Malang: UB Press	
	Support:	
	1. Solimun. 2002. Multivariate Analysis: Structural Equation Modeling (SEM). Malang: Penerbit Universitas Negeri Malang	
	2. Solimun. 2010. Analisis Multivariat Pemodelan Struktural: Metode Partial Least Square-PLS. Malang: CV Citra Malang	
	3. Solimun, Fernandes, A.A.R, dan Nurjannah. 2017. Metode Statistika Multivariat-Pemodelan Struktural (SEM) Pendekatan WarpPLS. Malang: UB Press	
Notes:		