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Master in Mathematics

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MODULE HANDBOOK

Module Name	Capita Selecta in Statistics
Module level, if applicable	Master
Code, if applicable	MMM-5428
Subtitle, if applicable	-
Courses, if applicable	Capita Selecta in Statistics
Semester(s) in which the module is taught	1st (first) semester
Person responsible for the module	Chair of the Statistics Lab.
Lecturer(s)	Appointed lecturer
Language	Bahasa Indonesia
Relation to curriculum	Elective course in the first year (1st semester) of master's degree
Teaching methods	150 minutes lectures and 180 minutes structured activities per week
Workload (incl. contact hours, self-study hours)	Total workload is 135 hours per semester, which consists of 150 minutes lectures per week for 14 weeks, 180 minutes structured activities per week, 180 minutes individual study per week, in total is 16 weeks per semester, including mid exam and final exam.
Credit points	3
Required and recommended prerequisites for joining the module	-

Module objectives/intended learning outcomes	After completing this course, the students should be able to: CO 1. Understand new methods in the field of Statistics. CO 2. Build models, estimate model parameters, and perform statistical inference. CO 3. Conduct statistical development research.
Content	New methods in the field of statistics, estimating model parameters, and performing statistical inference. Statistical development research.
Examination forms	Oral presentation, essay
Study and examination requirements	The final mark will be weighted as follows: No — Assessment methods (components, activites) — Weight (percentage) 1 Final Examination 30-40% 2 Mid-Term Examination 30-40% 3 Class Activities: Quiz, Homework, etc. 20-40% Minimum final mark to pass is C
Media employed	Board, LCD Projector, Laptop/Computer
Reading list	1. Wackerly, D. D., Mendenhall, W. dan Scheaffer, R. L., 2002, Mathematical Statistics with Applications, Duxbury Press. 2. Rice, J. A., 1995, Mathematical Statistics and Data Analysis, Duxbury Press

CO-PLO Mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CO1			V			
CO2		V				
CO3					V	V

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