UNIVERSITAS GADJAH MADA
Faculty of Mathematics and Natural Sciences
Mathematics Department
Sekip Utara Bulaksumur Yogyakarta 55281 Telp: +62 274 552243 Fax: +62 274 555131 Email: stat.fmipa@ugm.ac.id Website: http://s1stat.fmipa.ugm.ac.id/

Undergraduate Program in Statistics
Telp : +62 274 552243
Email : stat.fmipa@ugm.ac.id; kaprodi-s1-statistika.mipa@ugm.ac.id
sekprodi-s1-statistika.mipa@ugm.ac.id
Website : http://s1stat.fmipa.ugm.ac.id/

MODULE HANDBOOK

Module name	Pengantar Statistika Matematika I (Introduction to Math Statistics)
Module level, if applicable	Bachelor
Code, if applicable	MMS-2420
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	3rd Semester
Person responsible for the module	Dr. Abdurakhman
Lecture(s)	Dr. Abdurakhman
Language	Bahasa Indonesia
Classification within the Curriculum	Compulsory course/ ~~Elective Studies~~
Teaching format /class hours per week during the semester:	3 hours lecture
Workload	3 hours lectures, 6 hours individual study, 14 weeks per semester, and total 126 hours a semester
Credit points	3
Requirements	MMM-1102 Kalkulus 2
Module objectives/intended learning outcomes	By the end of this course : CO 1. Students are able to understand and explain mathematically the probability distribution and characteristic properties CO 2. Students are able to explain the mathematical formulas that find the value of the moment of a random variable distribution CO 3. Students are able to apply theory mathematics statistics to estimate the data
Content	Probability space; Probability and Conditional Probability, Random Variables; Independence; Distributions : Binomial, Poisson, Hipergeometrik, Normal, Log Normal, Dist-t, Eksponensial, Cauchy, Weibull, Distribusi-F, Khi-Kuadrat, dll; Moment Generating Function, Likelihood function ; Level of this lecture is from knowledge until application however the weighting of this lecture is more knowledge
Study and xamination requirements and forms of examination	The weight of assignments will be as follows: i. Quiz, homework, group discussion 25% ii. Mid semester exam 35% iii. Final exam 40% Grade scale: A: 85<score≤100 A-: 80<score≤85

	A/B: 75<score≤80 B+: 70<score≤75 B: 65<score≤70 B-: 60<score≤65 B/C: 55<score≤60 C+: 50<score≤55 C: 45<score≤50 C-: 40<score≤45 C/D: 35<score≤40 D+: 30<score≤35 D: 20<score≤30 E: 0≤score≤20
Media employed	Slides and LCD projectors, Blackboards
Reading List	- Abdurakhman, 2015, Handout Mata kuliah - Bain, L.J. and Engelhardt, (1992), Introduction to Probability and Mathematical Statistics, Duxbury Press

CO and PLO mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
CO 1	x						
CO 2		x					
CO 3			x				