



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Mathematics Department

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Undergraduate Program in Statistics

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MODULE HANDBOOK

Module name	Statistical Data Mining
Module level, if applicable	Doktoral
Code, if applicable	MMM 7413
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Semester I
Person responsible for the module	Prof Subanar PhD
Lecture(s)	Prof Subanar PhD
Language	Bahasa Indonesia
Classification within the Curriculum	Elective
Teaching format /class hours per week during the semester:	3 hours lecture per week/discussion/presentation
Workload	3 hours lecture perweek, 6 hours individual assignment, 14 week per semester, total 126 hours per semester.
Credit points	3 credits
Requirements	-
Module objectives/intended learning outcomes	CO1 : deeply understand datawarehousing concept. CO2 : has capability to pre-processing data and apply to assosiation rule. CO3 : deeply understand clasification rule and clustering. CO4 : has capability to do problem solving related to classification and clustering.
Content	Data warehousing, data cleaning, data integration, data transformation, assosiation rule, classification and clustering, problem solving related to classification and clustering.
Study and xamination requirements and forms of examination	Final grade will be based on 25% assignment, 25% presentation, 50% final exam. Grade scale: A: $80 \leq \text{score}$ A/B: $70 \leq \text{score} < 80$ B: $60 \leq \text{score} < 70$ B/C: $50 \leq \text{score} < 60$ C: $40 \leq \text{score} < 50$ D: $20 \leq \text{score} < 40$ E: $\text{score} < 20$
Media employed	White board, LCD
Reading List	1.Berry,J.A.M,Linoff,G.S.(2000).Mastering DataMining,John Wiley. 2.Dasu,T,John,T.(2003).Exploratory Data Mining and Data Cleaning,John Wiley. 3.Han,J,Kamber,M,Pei,J.(2012).Data Mining:Concepts and Techniques.Elsevier

CO and LO mapping

	LO 1	LO 2	LO 3	LO 4	LO 5	LO 6
CO 1	x	x				
CO 2	x		x	x		
CO 3	x	x		x	x	
CO 4	x	x		x	x	x