MODULE HANDBOOK
Master Program in Computer Science
Department of Computer Science and Electronics
Faculty of Mathematics and Natural Sciences
Universitas Gadjah Mada

Thesis

Module name	**Thesis**		
Module level	Master		
Code	MII 6011		
Courses (if applicable)	Thesis (Tesis)		
Semester	Even (Genap)		
Contact person	Thesis Advisor		
Lecturer	Thesis Advisor		
Language	Bahasa Indonesia and English		
Relation to curriculum	Master program, compulsory, 2nd semester		
Type of teaching, contact hours	Master program : consultations and presentations, <10 students, two times per week		
Workload	1. Consultation and presentation: 2 x 50 = 100 minutes per week 2. Data Collection, analysis and design: 2 x 60 = 120 minutes (2 hours) per week 3. Private study (writing): 2 x 60 = 120 minutes (2 hours) per week		
Credit points	6 credit points (SKS)		
Requirements according to the examination regulations	A student must have met his/her advisor at least 75% of the entire semester		
Recommended prerequisites	MII 6002 Thesis Proposal		
Learning outcomes and their corresponding PLOs	After completing this module, a student is expected to:		
	CO	**Description**	**Supported PLO**
	CO1	able to identify research topic (i.e. improve a computation method or an algorithm, produce a computational / mathematical model, implement a computational model, and develop a program / prototype, explore and analyse computation methods or algorithms)	PLO9
	CO2	able to explain research background and objectives, and formulate relevant research problems	PLO9

	CO3	able to review relevant literatures and identify the research gap of related previous research	PLO7
	CO4	able to design the step-by-step of research that match with research methodology, and an appropriate testing scheme	PLO6
	CO5	able to show the implementation that related to the research plan, able to work independently, and have academic ethics	PLO6
	CO6	capable of describing the research results in detail together with comprehensive discussion	PLO4, PLO6
	CO7	capable of formulating conclusions and suggestions for future works appropriately and correctly	PLO5, PLO9
	CO8	capable of mastering related theories in computer science (shown by the ability to answer the questions)	PLO3
	CO9	able to write thesis using Bahasa Indonesia / English grammar and correctly, and proposal that meets writing guides of thesis	PLO8
	CO10	able to present research result effectively, self confidently, interestingly, orderly, clearly, and easy to understand	PLO8
Content	An thesis is a written explanation of the results of research that discusses a problem/phenomenon in the field of Computer Science. This module (thesis) contains seven parts: contribution, relevance, methodology, results and discussions, conclusions and suggestions, research topics mastering, presentation, and writing		
Study and examination requirements and forms of examination	Final report (proposal manuscript), and Examination		
Media employed	LCD and computer		

Assessments and Evaluation	**CO**	**Assessment Methods**	**Percentage**
	CO-1	Examination (summative - presentation)	10%
	CO-2	Examination (summative - presentation)	10%
	CO-3	Examination (summative - presentation)	10%
	CO-4	Examination (summative - presentation)	16%
	CO-5	Examination (summative - presentation)	4%
	CO-6	Examination (summative - presentation)	8%
	CO-7	Examination (summative - presentation)	12%
	CO-8	Examination (summative - presentation)	10%
	CO-9	Examination (summative - presentation)	10%

	CO-10	Examination (summative - presentation)	10%
Reading List	Relevance papers and journals, and related textbooks.		