

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

Thesis Proposal

Module name	Thesis Proposal	
Module level	Master	
Code	MII 6002	
Courses (if applicable)	Thesis Proposal (Proposal Tesis)	
Semester	Odd (Ganjil)	
Contact person	Thesis Proposal Advisor	
Lecturer	Thesis Proposal Advisor	
Language	Bahasa Indonesia and English	
Relation to curriculum	Master program, compulsory, 1 st 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	2 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 6001 Research Method	
Learning outcomes and their corresponding PLOs	After completing this module, a student is expected to:	
	CO	Description
	Supported PLO	
	CO-1	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)
	CO-2	able to explain research background and objectives, and formulate relevant research problems
		PLO9
		PLO9

	CO-3	able to do relevant literature review and identify the research gap of related previous research	PLO7
	CO-4	able to design the step-by-step of research plans that match with research methodology, and an appropriate testing plan	PLO6
	CO-5	capable of mastering related theories in computer science (shown by the ability to answer the questions).	PLO3
	CO-6	able to write thesis proposal using Bahasa Indonesia / English grammar and correctly, and proposal that meets writing guides of thesis.	PLO8
	CO-7	able to present proposal effectively, self confidently, interestingly, orderly, clearly, and easy to understand	PLO8
Content	The thesis proposal to find out the topic in the form of design, research design, or research proposal that will be carried out and compiled by a student about a research material for doing a thesis in the field of computer science. Writing a thesis proposal using specific rules with the guidance of lecturer		
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)	20%
	CO-2	Examination (summative - presentation)	20%
	CO-3	Examination (summative - presentation)	20%
	CO-4	Examination (summative - presentation)	16%
	CO-5	Examination (summative - presentation)	4%
	CO-6	Examination (summative - presentation)	8%
	CO-7	Examination (summative - presentation)	12%
Reading List	Relevance papers and journals, and related textbooks.		