UNDERGRADUATE PROGRAM IN COMPUTER SCIENCE
DEPARTMENT OF COMPUTER SCIENCE AND ELECTRONICS
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
UNIVERSITAS GADJAH MADA

Module name	**Undergraduate Thesis**
Module level	Undergraduate
Code	MII-4002
Courses (if applicable)	**Undergraduate Thesis**
Semester	Even
Contact person	Undergraduate Thesis Advisor
Lecturer	Undergraduate Thesis Advisor
Language	Bahasa Indonesia and English
Relation to curriculum	1. Undergraduate degree program, compulsory, 8th semester. 2. International undergraduate program, compulsory, 8th semester.
Type of teaching, contact hours	1. Undergraduate degree program: consultations and presentations, (< 10 students), at least once a week. 2. International undergraduate program: consultations and presentations, (< 10 students), at least once a week.
Workload	1. Consultation and presentation: 2 x 50 = 100 minutes per week. 2. Coding and Testing (experiments): 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 (six).
Requirements according to the examination regulations	A student must have met his/her advisor at least 75% of the entire semester.
Recommended prerequisites	MII4001-Undergraduate thesis proposal can be taken at the same time.
Learning outcomes and their corresponding PLOs	After completing this module, a student is expected to:
	CO1: capable of determining the main objective and research contribution (i.e., improve a computation method or an algorithm, produce a computational / mathematical model, implement a computational model, and develop a program / prototype) clearly. — PLO9

	CO2	capable of formulating research questions clearly based on the relevant background (showing with the use of relevant literatures for references).	PLO5
	CO3	capable of writing the step-by-step of research plans that match with research metodology, and an appropriate testing plan.	PLO6
	CO4	capable of describing the research results in detail together with comprehensive discussion.	PLO6
	CO5	capable of formulating conclusions and suggestions for future works appropriately and correctly.	PLO9
	CO6	capable of showing initiatives and motivation, working independently, having academic ethics, and interacting well.	PLO6
	CO7	capable of presenting the research results effectively, self confidently, interestingly, orderly, clearly, and easy to understand.	PLO8
	CO8	capable of writing undergraduate thesis manuscript using Bahasa Indonesia / English grammar and spelling correctly, and proposal that meets writing guides of andergraduate thesis.	PLO8

Content	This module (undergraduate proposal 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 (undergraduate thesis manuscript), and Examination (presentation).
Media employed	LCD and computers

Assessments and Evaluation			
	CO1	Examination (presentation, Q/A)	8 %
	CO2	Examination (presentation, Q/A)	20 %
	CO3	Examination (presentation, Q/A)	16 %
	CO4	Examination (presentation, Q/A)	24 %
	CO5	Examination (presentation, Q/A)	8 %
	CO6	Examination (presentation, Q/A)	20 %
	CO7	Examination (presentation, Q/A)	4 %
	CO8	Examination (presentation, Q/A)	12 %

Reading List	Relevance papers and journals, and related textbooks.