Bachelor in Computer Science

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MODULE HANDBOOK

Module name	**Undergraduate Thesis**
Module level, if applicable	Bachelor
Code, if applicable	MII-4002
Courses, if applicable	Undergraduate Thesis
Semester(s) in which the module is taught	Fall (Gasal)
Person responsible for the module	Undergraduate Thesis Advisor
Lecturer(s)	Undergraduate Thesis Advisor
Language	Bahasa Indonesia and English
Relation to curriculum	Bachelor degree, compulsory, 8th semester.
Teaching methods	Consultation and presentation < 10 students, at least once a week.
Workload (incl. contact hours, self-study hours)	1. Consultation and presentation: 2 x 50 = 100 minutes per week. 2. Coding and testing (experiments): 1 x 60 = 120 minutes (1 hour) per week. 3. Private study (writing): 1 x 60 = 120 minutes (1 hour) per week.
Credit points	4 credit points
Requirements according to the examination regulations	A student must have met his/her advisor at least 75% of the entire semester.
Required and recommended prerequisites for joining the module	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: **LO1** 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. **LO2** capable of formulating research questions clearly based on the relevant background (showing with the use of relevant literatures for references). **LO3** capable of writing the step-by-step of research plans that match with research methodology, and an appropriate testing plan. **LO4** capable of describing the research results in detail together with comprehensive discussion. **LO5** capable of formulating conclusions and suggestions for future works appropriately and correctly. **LO6** capable of showing initiatives and motivation, working independently, having academic ethics, and interacting well. **LO7** capable of presenting the research results effectively, self-confidently, interestingly, orderly, clearly, and easy to understand. **LO8** capable of writing undergraduate thesis manuscript using Bahasa Indonesia / English grammar and spelling correctly, and proposal that meets writing guides of undergraduate thesis.

PLO		LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8
Program Learning Outcome (PLO)	**PLO1**								
	PLO2								
	PLO3								
	PLO4		√	√	√		√		
	PLO5	√				√		√	√

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 examination forms	Final report (undergraduate thesis manuscript) and examination (presentation).
Media employed	LCD and computer/laptop.

Assessments and evaluation	**LO1:** Examination (presentation, Q/A) (8%)
	LO2: Examination (presentation, Q/A) (20%)
	LO3: Examination (presentation, Q/A) (16%)
	LO4: Examination (presentation, Q/A) (24%)
	LO5: Examination (presentation, Q/A) (8%)
	LO6: Examination (presentation, Q/A) (20%)
	LO7: Examination (presentation, Q/A) (4%)
	LO7: Examination (presentation, Q/A) (12%)
Reading list	Relevance papers and journals and related textbooks

Created date   :   June 14, 2017
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