



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Department of Computer Science and Electronics

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Bachelor in Computer Science

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MODULE HANDBOOK

Module name	Undergraduate Thesis Proposal
Module level, if applicable	Bachelor
Code, if applicable	MII-4001
Courses, if applicable	Undergraduate Thesis Proposal
Semester(s) in which the module is taught	Fall (Gasal)
Person responsible for the module	Undergraduate Thesis Proposal Advisor
Lecturer(s)	Undergraduate Thesis Proposal Advisor
Language	Bahasa Indonesia and English
Relation to curriculum	Bachelor degree, compulsory, 7 th semester.
Teaching methods	Consultation < 10 students, two times per week.
Workload (incl. contact hours, self-study hours)	<ol style="list-style-type: none">1. Consultation: 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
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	Seminar (can be taken at the same time)

<p>Learning outcomes and their corresponding PLOs</p>	<p>After completing this module, a student is expected to:</p> <p>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.</p> <p>LO2 capable of formulating research questions clearly based on the relevant background (showing with the use of relevant literatures for references).</p> <p>LO3 capable of writing the step-by-step of 2 research plans that match with research methodology, and an appropriate testing plan.</p> <p>LO4 capable of showing initiatives and motivation, working independently, having academic ethics, and interacting well.</p> <p>LO5 capable of presenting proposal effectively, self confidently, interestingly, orderly, clearly, and easy to understand.</p> <p>LO6 capable of writing proposal using Bahasa Indonesia / English grammar and correctly, and proposal that meets writing guides of undergraduate thesis.</p> <p>LO7 capable of mastering basic theories in computer science (shown by the ability to answer the questions).</p> <table border="1" data-bbox="630 991 1409 1249"> <thead> <tr> <th colspan="2">PLO</th> <th>LO 1</th> <th>LO 2</th> <th>LO 3</th> <th>LO 4</th> <th>LO 5</th> <th>LO 6</th> <th>LO 7</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Program Learning Outcome (PLO)</td> <td>PLO1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PLO2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>√</td> </tr> <tr> <td>PLO3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PLO4</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PLO5</td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> <td>√</td> <td></td> </tr> </tbody> </table>	PLO		LO 1	LO 2	LO 3	LO 4	LO 5	LO 6	LO 7	Program Learning Outcome (PLO)	PLO1								PLO2							√	PLO3								PLO4			√					PLO5	√	√		√	√	√	
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<p>Content</p>	<p>This module (undergraduate proposal thesis) contains seven parts: contribution, relevance, methodology, research topic mastering, presentation, and writing.</p>																																																		
<p>Study and examination requirements and examination forms</p>	<p>Final report (proposal manuscript) and examination</p>																																																		
<p>Media employed</p>	<p>LCD and computer/laptop.</p>																																																		
<p>Assessments and evaluation</p>	<p>LO1: Examination (summative-presentation) (20%) LO2: Examination (summative-presentation) (20%) LO3: Examination (summative-presentation) (20%) LO4: Examination (summative-presentation) (16%) LO5: Examination (summative-presentation) (4%) LO6: Examination (summative-presentation) (8%) LO7: Examination (summative-presentation) (12%)</p>																																																		
<p>Reading list</p>	<p>Relevance papers and journals and related textbooks</p>																																																		

Created date : June 14, 2017
Revision date : June 25, 2022