



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Department of Computer Science and

Electronics

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Bachelor in Electronics and Instrumentation

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MODULE HANDBOOK

Module name	Special Task 1 and Special Task 2
Module level	Undergraduate
Code	(MIE21-2005) and (MIE21-3007)
Courses (if applicable)	Special Task 1 and Special Task 2
Semester	Even and Odd
Contact person	Dr. Danang Lelono, S.T., M.T.
Lecturer	Dr. Danang Lelono, S.T., M.T. Yunitasari, M.Sc., Ph.D
Language	Bahasa Indonesia and English
Relation to curriculum	1. Undergraduate degree program, compulsory, 4 th and 5 st semester. 2. International undergraduate program, compulsory, 4 th and 5 st semester
Type of teaching, contact hours	1. Undergraduate degree program: lectures, < 30 students, 2. International undergraduate program: lectures, < 30 students.
Workload	1. Lectures: 2 x 50 = 100 minutes (1 hours 40 menit) per week. 2. Exercises and Assignments: 2 x 60 = 120 minutes (2 hours) per week. 3. Private study: 2 x 60 = 120 minutes (2 hours) per week.
Credit points	1 credit points (sks).
Requirements according to the Examination regulations	A student must have attended at least 75% of the lectures to sit in the exams.
Recommended prerequisites	-

Learning outcomes (course outcomes) and their corresponding PLOs	<p>After completing this module, a student is expected to:</p> <p>CO1 Have knowledge of basic principles of practicum course in electronics and Instrumentation, and can operate various electronic measurement tools and devices well, and others depending on practicum course being assisted.</p> <p>CO2 Have develop problem solving skills to overcome obstacles that may arise during experiments and understand the principles of work safety in electronics and instrumentation laboratories to support lecture on practicum course</p> <p>CO3 Have understand the importance of ethics in technology research and development, including the need to avoid plagiarism and behave ethically in their work.</p> <table><tr><th colspan="2">PLO</th><th>CO1</th><th>CO2</th><th>CO3</th></tr><tr><td rowspan="5">Program Learning Outcome (PLO)</td><td>PLO1</td><td></td><td></td><td></td></tr><tr><td>PLO2</td><td>√</td><td></td><td></td></tr><tr><td>PLO3</td><td></td><td></td><td></td></tr><tr><td>PLO4</td><td></td><td>√</td><td></td></tr><tr><td>PLO5</td><td></td><td></td><td>√</td></tr></table>	PLO		CO1	CO2	CO3	Program Learning Outcome (PLO)	PLO1				PLO2	√			PLO3				PLO4		√		PLO5			√
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Contents	<ol style="list-style-type: none">1. Profesional Ethic2. Creativity and Inovation3. Problem solving4. Troubleshooting and repair5. Understanding Basic Principles depending on practicum course being assisted6. Team Collaboration7. Safety in the laboratory8. Assist practicum lecturers in developing practicum modules9. Ability to help students understand material, answer questions, and provide effective guidance in carrying out assignments or experiments.																										
Study and examination requirements and forms of examination	<p>The evaluation is done in 3 forms, namely:</p> <ol style="list-style-type: none">1. Attendance and Punctuality2. Laboratory Skills and Material Understanding3. Student Guidance																										
Media employed	Laptop, LCD, blackboard, and websites.																										

Assessments and Evaluation					
	Type	Percentage	CO1	CO2	CO3
	Attendance and Punctuality	40%	√	√	√
	Laboratory Skills and Material Understanding	20%	√	√	√
	Student Guidance	40%	√	√	√
	Total	100%			
Reading List	Practical module book				

Created date : Nov 11, 2023