

UNIVERSITAS GADJAH MADA

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Bachelor in Electronics and Instrumentation

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MODULE HANDBOOK

Module name	Experiment on Computer Networks
Module level, if	Undergraduate
applicable	
Code, if applicable	MII-2612
Courses, if applicable	Experiment on Computer Networks
Semester(s) in which	Even
the module is taught	
Person responsible for	Lukman Heryawan, PhD
the module	
Lecturer(s)	Lukman Heryawan, PhD
Language	Bahasa Indonesia & English
Relation to curriculum	1. Undergraduate degree program, compulsory, 6th semester.
	2. International undergraduate program, compulsory, 6th semester.
Teaching methods	1. Undergraduate degree program: lectures, < 60 students,
	2. International undergraduate program: lectures, < 30 students.
Workload (incl.	1. Exercises and Assignments: 1 x 50 = 50 minutes per week.
contact hours, self-	2. Private study: 1 x 50 = 50 minutes per week.
study hours)	
Credit points	1 credit point
Requirements	A student must have attended at least 75% of the lectures to sit in the exams.
according to the	
examination	
regulations	
Required and	Operating system, computer network
recommended	
prerequisites for	
joining the module	
Learning outcomes	After completing this module, a student is expected to:
and their	CO1. Able to explain and identify the concepts and characteristics of operating
corresponding PLOs	system and computer network
	CO2. Able to explain and identify the components of operating system and
	computer network
	CO3. Able to explain operating system and computer network processing and
	how does it works
	CO4. Able to explain and to do computational related experiment using
	operating system's environment
	cos. Able to explain and to do computational related experiment using computer network's environment

	PLO		CO1	CO2	CO3	CO4	CO5		
	Program	PLO1	V						
	Learning	PLO2		V					
	Outcome	PLO3			V				
	(PLO)	PLO4				V			
		PLO5					V		
Content	 Concept and understanding, operating system and computer network technology and method Architecture and components of operating system and computer network Management of operating system and computer network Operating system and computer network supporting technology and its application Operating system and computer network security 								
examination requirements and examination forms	 Trial, either midterm or semester test, Two tasks, including individual, Two group assignments to be completed within a certain timeframe, and Assessment is done using benchmark assessment, with the aim of measuring the level of student understanding related to the target and class rank. 								
Media employed	e-learning Pla	atform (ELOK),	LCD, bla	ckboar	d, and w	ebsites	•		
Assessments and									
evaluation	Туре	Percer	ntage	CO1	CO2	CO3	CO4	CO5	
	Task 1	10)	V					
	Group Task	1 15	5		V				
	Midsem Tes	st 25	5		V	v			
	Task 2	10)			v			
	Group Task	2 15	5				V		
	FinalSem te	st 25	5				V	V	
	Total	10	0						
Reading list	 William Stallings, Data and Computer Communication 8th Ed., Prentice Hall, 2007 Andrew S. Tanenbaum, Computer Network 4th Ed., Prentice Hall, 2003 Silberchatz, Abraham, Operating Systems Concepts with Java, 8^h Edition, John Wiley, 2009 								

Created date	:	June 25, 2021
Revision date	:	July 1, 2022