

FI122 Basic Physics 2

Module name:	Basic Physics 2				
Module level, if applicable:	Undergraduate				
Code:	FI122				
Sub-heading, if applicable:	-				
Classes, if applicable:	-				
Semester:	2 nd				
Module coordinator:	Endi Suhendi				
Lecturer(s):	Endi Suhendi				
Language:	Bahasa Indonesia				
Classification within the curriculum:	Compulsory course				
Type of Teaching	Contact hours per week during the semester	Class Size			
1. Lecture (conceptual, contextual, and problem-solving approaches through expository, discussions and exercises). 2. Structured activities (assignments based on conceptual, contextual and problem-solving approaches) 3. Self-study (reading literature)	3 hour 20 minutes	35			
Workload:	The total workload is 181 hours 20 minutes (6.4 ECTS) per semester, consisting of: 200 minutes lectures (1.65 ECTS), 240 minutes structured activities (1.98 ECTS), 240 minutes self-study (1.98 ECTS) per week for 14 weeks, 400 minutes for two exams (0.24 ECTS), and 960 minutes for two exam preparations (0.56 ECTS)				
Credit points:	6.4 ECTS				
Pre-requisites course(s):	-				
Course Learning Outcomes (CLO):	After taking this course the students have ability to: CLO1: Analyze the basic concepts of static electricity. CLO2: Analyze the basic concepts of dynamic electricity. CLO3: Analyze the basic concepts of magnetism. CLO4: Analyze the basic concepts of electromagnetic induction. CLO5: Analyze the basic concepts of inductance. CLO6: Analyze the basic concepts of alternating current circuit. CLO7: Analyze the basic concepts of electromagnetic wave.				
Content:	Static and dynamic electricity, magnetism, electromagnetic induction, inductance, alternating current circuit and introduction to electromagnetic wave.				
Study/exam achievements:	No	CLO	Assessment Object	Assessment Techniques	Weight
	1	1 - 2	Subject specific competences:		

