

FI340 Mechanics

Module name:	Mechanics	
Module level, if applicable:	Undergraduate	
Code:	FI340	
Sub-heading, if applicable:	-	
Classes, if applicable:	-	
Semester:	3 rd	
Module coordinator:	Selly Feranie	
Lecturer(s):	Selly Feranie	
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 hours 20 minutes	35
Workload:	The total workload is 181 hours 20 minutes (6.4 ECTS) per semester, consisting of 40 hours/2400 minutes lectures (1.41 ECTS), 56 hours/3360 minutes structured activities (1.98 ECTS) and 56 hours/3360 minutes self-study (1.98 ECTS) per week for 12 weeks, 29 hour 11 minutes for four exams (1.03 ECTS)	
Credit points:	6.4 ECTS	
Pre-requisites course(s):	FI121 Basic Physics I, FI222 Mathematical Physics I	
Course Learning Outcomes (CLO):	After taking this course the students have ability to: CLO1: Apply procedural knowledge and mathematics skills in solving problems of kinematics particles systematically and logically CLO2: Apply procedural knowledge and mathematics skills in solving problems of dynamics of particles systematically and logically CLO3: Apply procedural knowledge and mathematics skills in solving problems of oscillations systematically and logically CLO4: Apply procedural knowledge and mathematics skills in solving problems of gravitation and central field systematically and logically CLO5: Apply procedural knowledge and mathematics skills in solving problems of non-inertial reference frame systematically and logically CLO6: Apply procedural knowledge and mathematics skills in	

CLO8		√										
CLO9					√							