Course Code		TKEE163231	
Course Name		Digital Control Systems	
Course Instructors		Samiadji Herdjunanto	
Course Type		Required	
Course Classification		Engineering Topics	
Credit / Contact Hour per Week		3 / 150 minutes per Week	
Course Description		This course examines the aspects of control. The Constitutional Court examines the various components of the control system, mathematical model, state space, sampling, transformation, stability, feedback role, control methods, observers and applications.	
Prerequisites Courses			
Covered Student Outcome		Development of Engineering Solution (b) Engineering Design (c)	
Learning Outcome	1. Students are able to design the control component in accordance with the desired performance by considering the stability aspect.		
Topic	1. Transformation z.		
	2. Snippet.		
	3. Feedback system.		
	4. PID.		
	5. Space circumstances.		
	6. Controllable concept.		
	7. The concept of obserabilitas.		
	8. Stability.		
	9. Introduction to optimal control.		
Direct Asessment			
	Direct Asessment Plan		Measured Learning Outcome
	Assignments		LO1
	Mid Exam		LO1
	Final Exam		LO1
Indirect Assesment	Questionnaire (	Questionnaire (EDOM)	
References	[1] Modern digital control systems by Raymond Jacquot		