

Simulation of Engineering Systems 3 Assignment Outline Marking Scheme

Please note that the grade breakdown below is provided for guidance only.

Part	Section	Assign #	Description	Suggested Marks		
1	Mathematical Modelling & Continuous Time Simulation					
		1	Derivation of State Space Model			
		2	Continuous time simulation			
		3	Initial Conditions, Suitable Integration & stepsize			
		4	Results & Analysis			
		Total		30		
1	Block Diagram & Validation					
		5	Block Diagram			
		6	Results & Validation			
		Total		25		
1	Report					
		Presentation, Introduction & Conclusions (Part 1)				
		Total		5		
1	Total for Part 1					
2	Control System Design & Implementation					
		1	Gc tuning, results & analysis			
		2	Integral implementation, Ki tuning, results and analysis			
		Total		15		
2	Interpolation					
		3	Interpolation Calculation			
		4	Implementation, Results & Analysis			
		Total		20		
2	Report					
		Presentation, Introduction & Conclusions (Part 2)				
		Total		5		
2	Total for Part 2					
	OVERALL TOTAL FOR ASSIGNMENT					
				100		