SMQ3023 NUMERICAL METHODS (A242) [COURSEWORK ASSESSMENTS]

QUIZZES (20%) MOOC Platform [20 marks : 5 marks each]		Assignment 1 (Individual) (20%) MOOC Platform [40 Marks]		Assignment 2 (Group) (20%) Article Writing MOOC Platform [40 marks]		Final Assessment (40%)	
Title	Due Date	Title	Due Date	Topic	Due Date	Topic	Due Date
Quiz 1	Before Week 3	Activity 1	28 Mac 2025 - Week 2	Nonlinear System	8 June 2025 Week 12 (end of the week)	Nonlinear System	Week 15 or Week 16 (depends on the timetable)
Quiz 2	Before Week 6	Activity 2	6 April 2025- Week 3	Interpolating Polynomial		Interpolating Polynomial	
Quiz 3	Before Week 9	Activity 3	20 April 2025 – Week 5	Numerical Differentiation		Numerical Differentiation	
Quiz 4	Before Week 12	Activity 4	4 Mei 2025 – Week 7	Numerical Integration		4. Numerical Integration	
		Activity 5	25 Mei 2025 – Week 10	5. Linear System		5.Linear System	
CLO1: Solve nonlinear, system of differential equations, interpolating polynomial, numerical differentiation and numerical integration by using suitable numerical methods.		CLO3: Apply appropriate numerical techniques to solve mathematics problems.		CLO4: Work in teams to complete the assigned task		CLO2: Compare the numerical errors obtained for nonlinear equations, system of linear equations, interpolating polynomial, numerical differentiation and numerical integration using programming.	
 Instructions: This is individual Quiz. Everyone must answer this quiz in MOOC platform. Please follow the given dateline. Each quiz is worth 5% 		 Instructions: This is individual submission but you may work in pair. Everyone need to submit this at the MOOC platform Please make sure you have front cover, name and the name of the Activity. Please follow the given dateline. Submit full working. Provide Scilab Coding when necessary. 		 Instructions: Work in a group of THREE (3) members. Choose any ONE (1) Topic listed above.		Will be given in Week 16/17	