XMUT303 Analogue Electronics

Course Schedule Semester 1 2026

Week	Date	Lecture	Tutorial	Laboratory	Assessment
9	Monday, 2nd November 2026	Lecture 1: Introduction to Course and Analogue Electronics		Lab 1: Op Amp Circuits 1	
		Lecture 2: Introduction to Operational Amplifiers			
		Lecture 3: Internal Op Amp Characteristics	Tutorial 1: Intro to Op Amp		
10	Monday, 9th November 2026	Lecture 4: Static Limitation			Lab Report 1
		Lecture 5: Dynamic Limitation		Lab 2: Op Amp Circuits 2	Assignment 1
		Lecture 6: Stability of Op Amp	Tutorial 2: Op Amp Design and Analysis		
11	Monday, 16th November 2026	Lecture 7: Op Amp base Amplifiers			
		Lecture 8: Op Amp based Applications	Tutorial 3: Op Amp Circuits	Midterm Test	Midterm Test
		Lecture 9: Analogue Filters		Lab 3: Power Amplifiers	Assignment 2
12	Monday, 23rd November 2026	Lecture 10: Power Amplifier	Tutorial 4: Analogue Filters		
		Lecture 11: Linear Voltage Regulators	Tutorial 5: Power Amplifiers		
13	Monday, 30th November 2026	Lecture 12: Inductor and Transformer			Lab Report 3
		Lecture 13: Switching Voltage Regulators	Tutorial 6: Power Supplies	Lab 4: Power Supplies	Assignment 3

		Lecture 14: Thermal Analysis			
14	Monday, 7th December 2026	Lecture 15: Noise Analysis			
		Lecture 16: PCB Design	Tutorial 7: Thermal and Noise Analysis		Assignment 4
15	Monday, 14th December 2026	Self-study and exam weeks			Final Exam
16	Monday, 21st December 2026				