

Semester 1 Laboratory Schedule (AY2023/2024) : <15 Aug 2023 >

Instructional Week	LAB GRP DAY & DATE	CG2028		EE2026		EE2027		EE2028		EE2033		PC2020	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
0													
1	MON 14-Aug												
	TUE 15-Aug												
	WED 16-Aug												
	THUR 17-Aug												
	FRI 18-Aug												
2	MON 21-Aug												
	TUE 22-Aug									SL0			
	WED 23-Aug												
	THUR 24-Aug												
	FRI 25-Aug									SL0			
3	MON 28-Aug												
	TUE 29-Aug							PCI-1			SL1		
	WED 30-Aug		Lab1										
	THUR 31-Aug							PCI-1	PCI-1				
	FRI 01-Sep			Lab1						SL1			
4	MON 04-Sep											pc2020^	
	TUE 05-Sep							PCI-2			SL2		
	WED 06-Sep		Lab2										pc2020^
	THUR 07-Sep							PCI-2	PCI-2			pc2020^	
	FRI 08-Sep			Lab2						SL2		pc2020^	
5	MON 11-Sep												pc2020^
	TUE 12-Sep										SL3		
	WED 13-Sep		Lab3										
	THUR 14-Sep												pc2020^
	FRI 15-Sep			Lab3						SL3		pc2020^	
6	MON 18-Sep												
	TUE 19-Sep							PCI-3			SL4		
	WED 20-Sep												
	THUR 21-Sep							PCI-3	PCI-3				
	FRI 22-Sep									SL4			
RECESS													
7	MON 02-Oct												
	TUE 03-Oct							PCI-4			SL5		
	WED 04-Oct		Proj1										
	THUR 05-Oct							PCI-4	PCI-4				
	FRI 06-Oct			Proj1						SL5			
8	MON 09-Oct												
	TUE 10-Oct							PCI-5			SL6		
	WED 11-Oct		Proj2										
	THUR 12-Oct					BJT		PCI-5	PCI-5				
	FRI 13-Oct	Expt1		Proj2		BJT				SL6			
9	MON 16-Oct	Expt1											
	TUE 17-Oct							PCI-6			SL7		
	WED 18-Oct		Proj3										
	THUR 19-Oct							PCI-6	PCI-6				
	FRI 20-Oct	Expt2		Proj3						SL7			
10	MON 23-Oct	Expt2											
	TUE 24-Oct							PCI-7			SL8		
	WED 25-Oct		Proj4										
	THUR 26-Oct							PCI-7	PCI-7				
	FRI 27-Oct			Proj4						SL8			
11	MON 30-Oct											pc2020*	
	TUE 31-Oct										SL9		
	WED 01-Nov					OPAMP							pc2020*
	THUR 02-Nov											pc2020*	
	FRI 03-Nov	Expt3				OPAMP				SL9		pc2020*	
12	MON 06-Nov	Expt3											
	TUE 07-Nov							PCI-8			SL10		
	WED 08-Nov		Proj5										pc2020*
	THUR 09-Nov							PCI-8	PCI-8			pc2020*	
	FRI 10-Nov			Proj5						SL10		pc2020*	
13	MON 13-Nov												
	TUE 14-Nov										SL11		
	WED 15-Nov												
	THUR 16-Nov												
	FRI 17-Nov									SL11			

Academic calendar: <http://www.nus.edu.sg/registrar/calendar.html>
 Examination calendar: <http://www.nus.edu.sg/registrar/event/exam.html>

MODULES AND LABORATORIES DETAILS

Module Code and Name	Lab Location
CG2028 Computer Organization	Digital Electronics (E4-03-07)
Lecturers in charge	Experiment / Assignment
Rajesh CP & Henry Tan	Expt1 : Assembly Language Programming
Lab Officers	Expt2 : Microarchitecture, Pipelining and Caching
Mr FM Ho, Ms MH Chia & Ms Goh KS	Expt3 : Assignment Assessment
Module Code and Name	Lab Location
EE2026 Digital Design	Digital Electronics (E4-03-07)
Lecturers in charge	Experiment / Assignment
Chua DJ & Massimo	Lab1: Getting Started
Lab Officers	Lab2: Combinational Circuits
Mr FM Ho, Ms MH Chia & Ms Goh KS	Lab3: Sequential Circuits
	Proj1: Introduction to BASYS3 I/O Devices
	Proj2: Features Implementation
	Proj3: System Testing and Verilog Evaluation
	Proj4: System Integration
	Proj5: Project Assessment
Module Code and Name	Lab Location
EE2027 Electronic Circuits	Linear Electronics (E4A-06-03)
Lecturers in charge	Experiment / Assignment
Chim WK, Kelvin Fong	(40) BJT Amplifier
Lab Officers	(40) OPAMP
Mr Francis Boey, Mr Darren Ong TB	
Module Code and Name	Lab Location
EE2028 Microcontroller Prog & Interfacing	Digital Electronics (E4-03-07)
Lecturers in charge	Experiment / Assignment
Rajesh CP & Henry Tan	PCI-1: (60) Familiarization with Development Environment
Lab Officers	PCI-2: (60) Assembly Language and C Programming
Mr FM Ho, Ms MH Chia & Ms Goh KS	PCI-3: (60) Assignment 1 Assessment
	PCI-4: (60) System Design and Baseboard Familiarization
	PCI-5: (60) Interfacing to Sensors and Output Devices using GPIO, I2C and SPI
	PCI-6: (60) Interrupt Handling and Event Detection
	PCI-7: (60) Interfacing to External System using UART
	PCI-8: (60) Assignment 2 Assessment
Module Code and Name	Lab Location
EE2033 Integrated Systems Lab	Linear Electronics (E4A-06-03)
Lecturers in charge	Experiment / Assignment
Heng CH & Zhang JW	SL0: Software setup on personal Laptop
Lab Officers	SL1*: Measurement of EM spectrum and antenna (* E_Learning)
Mr Francis Boey, Mr Darren Ong TB	SL2: GNU Radio implementation
	SL3: Opamp GBW and its impact on filter design
	SL4: Filter design and characterization
	SL5: Spectrum analysis and bandwidth investigation
	SL6: OOK modulation and demodulation
	SL7: Mini project session
	SL8: Mini project session
	SL9: Mini project session
	SL10: Mini project session
	SL11: Mini project evaluation (OOK receiver)
Module Code and Name	Lab Location
PC2020 Electromagnetics for EE	Microwave Teaching Lab (^ S12-0402) (* E4-07-08)
Lecturers in charge	Experiment / Assignment
Chen XD, Yeo SP, Yeo TS, Koenraad M	The reflection coefficient and the Smith chart
Lab Officers	
Ms Lee SC, Ms Guo L	