

Semester 2 Laboratory Schedule (AY2021/2022): < as of 9 Dec 2021 >

Instructional Week	LAB GRP DAY & DATE	CG2023		CG2028		EE2026	EE2027	EE2028	EE2033		PC2020	
		AM	PM	AM	PM	AM	PM	PM	AM	PM	AM	PM
1	MON 17-Jan											
2	TUE 18-Jan									SL0		
	WED 19-Jan									SL0		
	THUR 20-Jan					Lab 1				SL0		
	FRI 21-Jan											
3	MON 24-Jan									SL1*		
	TUE 25-Jan											
	WED 26-Jan							PCI-1		SL1*		
	THUR 27-Jan					Lab 2				SL1*		
FRI 28-Jan												
4	MON 31-Jan	EVE LUNAR NEW YEAR										
	TUE 01-Feb	LUNAR NEW YEAR										
	WED 02-Feb	LUNAR NEW YEAR										
	THUR 03-Feb											
	FRI 04-Feb											
5	MON 07-Feb		Expt1^							SL2		pc2020^
	TUE 08-Feb	Expt1^										pc2020^
	WED 09-Feb							PCI-2		SL2		pc2020^
	THUR 10-Feb					Lab 3				SL2		pc2020^
FRI 11-Feb	Expt1^										pc2020^	
6	MON 14-Feb		Expt1^							SL3		pc2020^
	TUE 15-Feb	Expt1^										pc2020^
	WED 16-Feb							PCI-3		SL3		pc2020^
	THUR 17-Feb											pc2020^
FRI 18-Feb	Expt1^										pc2020^	
7	RECESS											
	MON 28-Feb		Expt2							SL4		
	TUE 01-Mar	Expt2										
	WED 02-Mar								PCI-4		SL4	
	THUR 03-Mar					Proj 1						
FRI 04-Mar	Expt2									SL4		
8	MON 07-Mar		Expt2							SL5		
	TUE 08-Mar	Expt2										
	WED 09-Mar								PCI-5		SL5	
	THUR 10-Mar					Proj 2						
FRI 11-Mar	Expt2									SL5		
9	MON 14-Mar		Expt3	Expt1						SL6		
	TUE 15-Mar	Expt3										
	WED 16-Mar								PCI-6		SL6	
	THUR 17-Mar					Proj 3					SL6	
FRI 18-Mar	Expt3			Expt1		MOSFET						
10	MON 21-Mar		Expt3	Expt2						SL7		
	TUE 22-Mar	Expt3										
	WED 23-Mar								PCI-7		SL7	
	THUR 24-Mar					Proj 4					SL7	
FRI 25-Mar	Expt3		Expt2									
11	MON 28-Mar		Expt4							SL8		pc2020
	TUE 29-Mar	Expt4										pc2020
	WED 30-Mar									SL8		pc2020
	THUR 31-Mar										SL8	pc2020
FRI 01-Apr	Expt4					OPAMP					pc2020	
12	MON 04-Apr		Expt4	Expt3						SL9		pc2020
	TUE 05-Apr	Expt4										pc2020
	WED 06-Apr								PCI-8		SL9	pc2020
	THUR 07-Apr					Proj 5					SL9	pc2020
FRI 08-Apr	Expt4		Expt3								pc2020	
13	MON 11-Apr									SL10		
	TUE 12-Apr											
	WED 13-Apr									SL10		
	THUR 14-Apr											
FRI 15-Apr	GOOD FRIDAY											

Academic calendar: <https://nus.edu.sg/registrar/docs/info/calendar/ay2021-2022.pdf>
 Examination calendar: <https://myportal.nus.edu.sg/studentportal/academics/all/semester-2.html>

MODULES AND LABORATORIES DETAILS

Module Code and Name	Lab Location
CG2023 Signal & Systems	Digital Electronics (E4-03-07)
Lecturers in charge	Experiment / Assignment
Ng CS, Zhang JW, Sahoo & Sangit S	Expt1 ^ @ PC cluster at Blk E2, lvl 3]
Lab Officers	Expt2
Ms MH Chia, Ms Goh KS & Mr FM Ho	Expt3
	Expt4

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
Ms MH Chia, Ms Goh KS & Mr FM Ho	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	Lab 1 : (60) Getting Started
Lab Officers	Lab 2: (60) Combinational Circuits
Ms MH Chia, Ms Goh KS & Mr FM Ho	Lab 3: (60) Sequential Circuits
	Proj 1: (60) Introduction to BASYS3 I/O Devices
	Proj 2: (60) Features Implementation
	Proj 3: (60) Initial System Testing and Verilog Evaluation
	Proj 4: (60) Full System Testing
	Proj5: (60) Project Assessment

Module Code and Name	Lab Location
EE2027 Electronic Circuits	Linear Electronics (E4A-06-07)
Lecturers in charge	Experiment / Assignment
Chor EF & Chim WK	MOSFET
Lab Officers	OPAMP
Mr Francis Boey & Mr Ong TB	

Module Code and Name	Lab Location
EE2028 Microcontroller Prog Interfacing	Digital Electronics (E4-03-07)
Lecturers in charge	Experiment / Assignment
Henry Tan & Rajesh CP	PCI-1: (60) Familiarization with Development Environment
Lab Officers	PCI-2: (60) Assembly Language and C Programming
Ms MH Chia, Ms Goh KS & Mr FM Ho	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-06-07)
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_learn)
Mr Francis Boey & Mr 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 evaluation (OOK receiver)

Module Code and Name	Lab Location
PC2020 Electromagnetics for EE	Weeks 5*/6* (Phy Dept Lab : S11-03-02); Weeks 11&12 (E4-07-08)
Lecturers in charge	Experiment / Assignment
Chen XD, Yeo TS, Yeo SP, Guo YX	The reflection coefficient and the Smith chart
Lab Officers	
Ms Lee SC, Ms Guo L	