

Semester 1 Laboratory Schedule (AY2021/2022) : < as of 21 June 2021>

Instructional Week	LAB GRP DAY & DATE	CG2028	EE2026		EE2027	EE2028		EE2028A	EE2033		PC2020	
		PM	AM	PM	PM	AM	PM	AM	AM	PM	AM	PM
1												
2	MON 16-Aug									SL0		
	TUE 17-Aug											
	WED 18-Aug											
	THUR 19-Aug									SL0		
	FRI 20-Aug									SL0		
3	MON 23-Aug			Lab1						SL1*		
	TUE 24-Aug					PCI-1	PCI-1					
	WED 25-Aug											
	THUR 26-Aug									SL1*		
	FRI 27-Aug						PCI-1			SL1*		
4	MON 30-Aug			Lab2						SL2		
	TUE 31-Aug					PCI-2	PCI-2					
	WED 01-Sep											
	THUR 02-Sep									SL0		
	FRI 03-Sep						PCI-2			SL0		
5	MON 05-Sep									SL3		
	TUE 06-Sep										pc2020^	
	WED 07-Sep											pc2020^
	THUR 08-Sep									SL3		
	FRI 09-Sep									SL3		
6	MON 13-Sep			Lab3						SL4		
	TUE 14-Sep					PCI-3	PCI-3				pc2020^	
	WED 15-Sep											pc2020^
	THUR 16-Sep									SL4		
	FRI 17-Sep						PCI-3			SL4		
RECESS												
7	MON 27-Sep			Lab4						SL5		
	TUE 28-Sep					PCI-4	PCI-4					
	WED 29-Sep											
	THUR 30-Sep									SL5		
	FRI 01-Oct						PCI-4			SL5		
8	MON 04-Oct			Proj1						SL6		
	TUE 05-Oct					PCI-5	PCI-5					
	WED 06-Oct											
	THUR 07-Oct									SL6		
	FRI 08-Oct						PCI-5			SL6		
9	MON 11-Oct			Proj2						SL7		
	TUE 12-Oct											
	WED 13-Oct		Expt1			BJT	PCI-6	PCI-6	C-Lab1*			
	THUR 14-Oct		Expt1							SL7		
	FRI 15-Oct					BJT		PCI-6		SL7		
10	MON 18-Oct			Proj3						SL8		
	TUE 19-Oct					BJT	PCI-7	PCI-7	C-Lab2*			
	WED 20-Oct					BJT						
	THUR 21-Oct									SL8		
	FRI 22-Oct					BJT		PCI-7		SL8		
11	MON 25-Oct									SL9		
	TUE 26-Oct									C-Lab3*	pc2020*	
	WED 27-Oct		Expt2									pc2020*
	THUR 28-Oct		Expt2							SL9		pc2020*
	FRI 29-Oct									SL9		
12	MON 01-Nov			Proj4						SL10		
	TUE 02-Nov					OPAMP	PCI-8	PCI-8	C-Lab4*			
	WED 03-Nov					OPAMP						
	THUR 04-Nov	DEEPAVALI										
	FRI 05-Nov					OPAMP		PCI-8		SL10		
13	MON 08-Nov									SL11		
	TUE 09-Nov					OPAMP					pc2020*	
	WED 10-Nov		Expt3			OPAMP						pc2020*
	THUR 11-Nov		Expt3							SL11		pc2020*
	FRI 12-Nov					OPAMP				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	Lab 1: (60) Getting Started
Lab Officers	Lab 2: (60) Combinational Circuits
Mr FM Ho, Ms MH Chia & Ms Goh KS	Lab 3: (60) Sequential Circuits Part 1
	Lab 4: (60) Sequential Circuits Part 2
	Proj 1: (60) Introduction to BASYS3 I/O Devices
	Proj 2: (60) Basic Features Implementation
	Proj 3: (60) Full System Testing
	Proj 4 (60) Project Assessment

Module Code and Name	Lab Location
EE2027 Electronic Circuits	Linear Electronics (E4A-06-03)
Lecturers in charge	Experiment / Assignment
Chor EF, Hong MH, Chim WK	(40) BJT Amplifier
Lab Officers	(40) OPAMP
Mr Francis Boey	

Module Code and Name	Lab Location
EE2028 Microcontroller Prog & Interfacing	Digital Electronics (E4-03-07)
Lecturers in charge	Experiment / Assignment
Rajesh CP & Henry Tan & Gu Jing	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
EE2028A C Programming	* E-Learning
Lecturers in charge	Experiment / Assignment
Mohan G	C-Lab1 *
Lab Officers	C-Lab2 *
	C-Lab3 *
	C-Lab4 *

Module Code and Name	Lab Location
EE2033 Integrated Systems Lab	Digital Electronics (E4-03-07)
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_Learning)
Mr FM Ho, Ms MH Chia & Ms Goh KS	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 (* S11-0302) (* E4-07-08)
Lecturers in charge	Experiment / Assignment
Chen XD, Chen ZN, Yeo SP	The reflection coefficient and the Smith chart
Lab Officers	
Ms Lee SC, Ms Guo L	