

Semester 1 Laboratory Schedule (AY2022/2023) : < as of 5 Aug 22>

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

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

MODULES AND LABORATORIES DETAILS

Module Code and Name	Lab Location
<b>CG2028 Computer Organization</b>	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
<b>EE2026 Digital Design</b>	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
<b>EE2027 Electronic Circuits</b>	Linear Electronics (E4A-06-03)
Lecturers in charge	Experiment / Assignment
Chor EF, Chim WK, Albert Liang	(40) BJT Amplifier
Lab Officers	(40) OPAMP
Mr Francis Boey, Mr Darren Ong TB	

Module Code and Name	Lab Location
<b>EE2028 Microcontroller Prog &amp; Interfacing</b>	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
<b>EE2033 Integrated Systems Lab</b>	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
<b>PC2020 Electromagnetics for EE</b>	Microwave Teaching Lab (* S12-0402)   * 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	