

كلية التقنية الالكترونية - طرابلس
COLLEGE OF Electronics TECHNOLOGY - Tripoli
 المواد المقررة لقسم التحكم الآلي 29/08/2020

Studied Subjects For Control Department

العدد	رقم المادة	اسم المادة	Course Title	الصفحة					الفصل
				الوحدات	نظري	عملي	تدريسي	اجمالي	
Prerequisites	Code	SN	Sems.	Weekly Hours					
				Total	Tutor.	Lab	Lect.	Cred.	
	GS121	1	English I	2	2	0	2	2	1
	GS101	2	Mathematics I	3	3	0	3	3	1
	EE101	3	Electrical Circuits I	3	3	0	3	3	1
	EE121	4	Digital Circuits I	3	3	0	3	3	1
	GS111	5	Physics	3	3	0	3	3	1
			Semester Total	14	14	0	14	14	
GS121	GS122	1	English II	2	2	0	2	2	2
GS101	GS102	2	Mathematics II	3	3	0	3	3	2
EE101	EE102	3	Electrical Circuits II	3	3	0	3	3	3
EE101	EE111	4	Electronic Circuits I	3	3	0	3	3	4
EE121	EE122	5	Digital Circuits II	3	3	0	3	3	5
	CS111	6	Programming Fundamentals	3	3	0	3	3	6
EE101	EE102L	7	Electric Circuits (Lab)	0	1	2	0	1	7
EE121	EE122L	8	Digital Circuits (Lab)	0	1	2	0	1	8
			Semester Total	19	19	6	16	19	
GS102	GS203	1	Differential Equations	3	3	0	3	3	3
EE111	GS204	2	Statistics and probability	3	3	0	3	3	2
GS122	EE212	3	Electronic Circuits II	3	3	0	3	3	3
GS102	GS223	4	English III	2	2	0	2	2	4
	EE241	5	Signals and Systems	3	3	0	3	3	5
	GS 251	6	study skills	2	2	0	2	2	6
	GS252	7	Technical Report Writing	2	2	0	2	2	7
EE111	EE212L	8	Electronic Circuits(Lab)	0	1	2	0	1	8
			Semester Total	19	19	2	18	19	
EE122	CE223	1	Microcomputer system	4	4	0	4	4	1
	EE231	2	CAD	2	2	0	2	2	2
	EE213	3	Electronic Circuit 3	4	4	0	4	4	3
	EE214	4	Measurements and Instrumentation	4	4	0	4	4	4
	CS212	5	Programming in C++	3	3	0	3	3	5
EE101+EE122	CT201	6	Industrial Control Systems	4	4	0	4	4	6
			Semester Total	21	21	15	15	21	
	CN301	1	Network Fundamentals	3	3	0	3	3	1
EE241	CT311	2	Dynamic systems & control	4	4	0	4	4	2
EE213+EE214	EE315	3	Electronic maintenance	4	4	0	4	4	3
CT201	CT302	4	Prog. Logical Controllers	4	4	0	4	4	4
EE213	CT321	5	Sensors and Transducers	4	4	0	4	4	5
			Semester Total	19	19	15	14	19	
CT311	CT312	1	Design of linear control systems	4	4	0	4	4	1
	CT303	2	Graphical Prog. Applications	3	3	0	3	3	2
	CT331	3	Hyd. & pneu. Systems	4	4	0	4	4	3
CE224+CS212	CT341	4	Microcontrollers	4	4	0	4	4	4
	CT351	5	selectiv courses I	3	3	1	3	3	5
			Semester Total	19	19	11	14	19	
CT312+EE122	CT451	1	Power Electronics	4	4	0	4	4	1
CT312	CT413	2	Digital Control	4	4	0	4	4	2
CT321	CT414	3	Intellegent Control	4	4	0	4	4	3
	CT461	4	Data Acquisition systems	4	4	0	4	4	4
	CT471	5	selectiv courses II	3	3	0	3	3	5
			Semester Total	19	19	14	14	19	
All Subjects	CT498	1	BSc. Project	4	4	-	-	4	1
All Subjects	CT499	2	On Job Training	2	2	-	-	2	2
			Semester Total	6	6	0	0	6	
			Gross Total	136	136	63	105	136	