

SUGGESTED STUDY PLAN

SPRING 2022-2023

NEW BYLAW

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
4 New Bylaw	EB 204	Engineering Mathematics (4)	3	EB103_Engineering Mathematics (3)	2	2	1	3
	EE 232#	Electronics	3	EE291_Circuits	2	2	1	3
	EC233	Data Structures and Algorithms	4	EC132_Structure programming&EC171_Discrete mathematics	3	1	2	4
	EC222	Advanced Digital Logic Design	4	EC121_Introductuin to Digital logic	3	1	2	4
	EB104	Linear Algebra	3	EB102_Engineering Mathematics II	2	2	1	3
Semester Credit Hours			17					
6 New Bylaw	EC 235	Advanced Algorithms	3	EC233_Data structure	2	2	1	3
	EC 292	Concurrent Programming	3	EC234_Object oriented programming	2	2	1	3
	EC 359	Programming Language & Translators	3	EC241_System programming & EC171_Discrete mathematics	2	2	1	3
	EC 271	Computer Organization	3	EC222_Advanced digital logic	2	2	1	3
	HU 162!!	Human Computer Interaction	2	-----	1	0	2	2
	HU 113!!	Technical Reports Writing and Presentation Skills	2	-----	1	0	2	2
	UGE 00	English (0)	2	-----	2	1	0	0
	UGE 02	English (2)		UGE01_English (1)	2	1	0	2
	UGE 04	English (4)		UGE03_English (3)	2	1	0	
Semester Credit Hours			18					
8 New Bylaw	EC 312	Embedded Systems	3	EC281_Microprocess or and assembly language	2	1	2	3
	EC 352	Software Engineering	3	EC351_Database and management systems	2	2	1	3

	EC 361	Data and Computer Communications	3	EB208_Applied probability and statistics&EE241_Signals and systems	2	2	1	3
	EC 395	Elective 1 Image Processing	3	EE241_Signals and Systems	2	1	2	3
	EC 385	Elective 2 E-Business	2	EC234_Object oriented programming	1	1	2	2
	HU 141	Ethics and Human Rights	2	-----	2	0	0	2
	UGE 00	English (0)	2	-----	2	1	0	2
	UGE 02	English (2)		UGE01_English (1)	2	1	0	
	UGE 04	English (4)		UGE03_English (3)	2	1	0	
Semester Credit Hours			18					
10 New Bylaw	EC 365	Computer Security	3	EC361_Data and computer communication& EC342_Operating systems	2	2	1	3
	EC 383	Intelligent Systems	3	EC235_Advanced algorithms&EC234_Object oriented programming	2	1	2	3
	UCS 02	Communication Skills (2)	1	UCS01_Communication skills (1)	1	0	0	1
	EC 362	Elective 1 Digital Signal Processing	3	EE241_Signal and systems	2	1	2	3
	EC 384	Elective 5 Modeling & Simulation	2	EB208_Applied probability and statistics&EC233_Data structure and algorithm	1	1	2	2
	EC 400-2	Graduating Project (2)	5	Graduating Project (1)	3	0	6	5
Semester Credit Hours			17					
Graduation Requirements	EE 290	Control Systems (1)	3	EB 204-Engineering Mathematics (4) EE 291-Electric Circuits	2	2	1	3
	EC 381	Computer Graphics & Visualization	3	EC234-Object Oriented Programming EC233-Data Structure and Algorithms EB204-Engineering Mathematics 4	2	1	2	3



PHAROS UNIVERSITY
FACULTY OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT



UEC02E – Computer Skills & Programming Concepts 2	2Cr.	(1-1-2)
UEC01E – Computer Skills & Programming Concepts 1	2Cr.	(1-1-2)