

Nile Higher Institute For Engineering & Technology Communication and Electronics Engineering Program Program Flight Plan 2019-2020



Index	Code	Class Name	No. Credit Hours	Engineering	Mathematics	Science	General Education
Fall: Semester#1	HUM 012	For Publication and Manager	2				2
2	BAS 011	English Language (1) Mathematics (1)	3	-	3	-	2
3	BAS 011	Physics (1)	3	-	3	3	-
4	BAS 041	Engineering Chemistry	3	- :	-	3	-
5	BAS 031	Mechanics Chemistry	4		1	3	-
6	DAG 001	General Requirements (Elective - A)	2			-	2
Spring: Semester#2		Contra requiencina (Electre - 7)					
7	HUM 013	English Language (2)	2				2
8	BAS 012	Mathematics (2)	3		3		-
9	BAS 022	Physics (2)	3			3	
10	HUM 011	Arabic Language	2	-			2
11	HUM 081	Computer Skills	0	-			0
12	MED 021	History of Engineering & Technology	1				1
13	MED 022	Principles of manufacturing engineering	2	1		- 1	
14	MED 011	Engineering drawing & Projection	3	2		- 1	-
Fall: Semester#3							
15	ELP 112	Electrical Measurements and Testing	3	3			
16		Institute Requirements (Elective A)	2	2			
17	BAS 11	Mathematics (3)	3	-	3		
18	ELP 115	Electrical Material	3	1		2	
19	ELC 221	Computer Programming	3	3			
20		General Requirements (Elective - A)	2	-			2
21	IEN 131	Monitoring & Quality Control Systems	1				1
Spring: Semester#4		1					
22		Institute Requirements (Elective A)	2	2	-	-	-
23	BAS 211	Mathematics (4)	3	-	3	-	-
24	ELP 113	Electrical Circuits (1)	2	2	-	-	-
25		Institute Requirements (Elective A)	2	2	-	-	-
26	HUM 182	Analysis & Research Skills	2		-		2
27	BAS 212	Statistics & Probability Theory	3	-	3		T-
28	Driv 212	General Requirements (Elective - B)	2	-	-		2
Fall: Semester#5							
29	ELP 114	Electrical Circuits (2)	2	2		-	-
30	ELC 311	Computer Organization & Architecture	3	3			
31	ELC 331	Computer Networks	3	3			
	EE0 001	Modeling & Simulation of Engineering					
32	ELC 251	Systems	3	2	1	-	-
33	BAS 311	Mathematics (5)	3	-	3		
34	HUM 111	Technical Report Writing	2	-			2
35	HUM 381	Principles of Negotiation	2	-			2
Spring: Semester#6							
36	ELP 181	Energy Conversion	3	3			
37	ELE 222	Electronic Devices	3	3			
38	ELE 221	Digital & Logic Circuits	3	3			
39	ELE 271	Signal Analysis	3	2	1		
40	ELP 141	Electromagnetic Fields	3	2	1		
41	HUM 181	Communication & Presentation Skills	2	-			2
Summer: Semester#7							
42	291	Field Training 1	1	1			
Fall: Semester#8							
43	IEN 351	Economics Engineering	2	2			
44	ELE 321	Electronic Circuits	3	3			
45	ELP 361	Power Electronics	3	3			
46	ELP 241	Electrical Machines & Transformers	3	3			
47	ELE 241	Microprocessors & Applications	3			-	
48			3	3			-
49		General Requirements (Elective - A)	2	3			. 2
	CIW 331	Environmental Impact of Projects		3	-		2
Spring: Semester#9	CNV 331	Environmental Impact of Projects	1				1
Spring: Semester#9 50	CIW 331 IEN 314	Environmental Impact of Projects Project Management	2	3	:		
50 51	IEN 314 HUM 351	Environmental Impact of Projects Project Management Professional Ethics	2 1 2 1	1		-	1
50 51 52	IEN 314	Environmental Impact of Projects Project Management Professional Ethics Electronics Engineering	2 1 2 1 3				1 1
50 51	IEN 314 HUM 351 ELE 322	Environmental Impact of Projects Project Management Professional Ethics Electronics Engineering General Requirements (Elective - A)	2 1 2 1 3 2	1			1
50 51 52	IEN 314 HUM 351	Environmental Impact of Projects Project Management Professional Ethics Electronics Engineering General Requirements (Elective - A) Electrical Communications	2 1 2 1 3 2 3	1			1 1
50 51 52 53	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321	Environmental Impact of Projects Project Management Professional Ethics Electronics Engineering General Requirements (Elective - A) Electrical Communications Electrical Power	2 1 2 1 3 2 3 3 3	1 - 3 - 2			1 1
50 51 52 53 54 55	IEN 314 HUM 351 ELE 322 ELE 361	Environmental Impact of Projects Project Management Professional Ethics Electronics Engineering General Requirements (Elective - A) Electrical Communications	2 1 2 1 3 2 3	1 		-	1 1
50 51 52 53 54 55 58 Sunaner:	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361	Environmental Impact of Projects Project Management Professional Ethics Electronics Engineering General Requirements (Elective - A) Electrical Communications Electrical Communications Electrical Communications Automatic Control Systems	2 1 2 1 3 2 3 3 3	1 - - 3 - - 2 3 3		-	1 1
50 51 52 53 54 55 56 summer:	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321	Environmental Impact of Projects Project Management Professional Ethics Electronics Engineering General Requirements (Elective - A) Electrical Communications Electrical Power	2 1 2 1 3 2 3 3 3	1 - 3 - 2			1 1
50 51 52 53 54 55 56 Summer: 57 Fall: Semester#11	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391	Envisormental Impact of Projects Project Management Professional Envise Electronics Engineering General Requirements (Elective - A) Electrical Communications Electrical Communications Field Training 2 Field Training 2	2 1 2 1 3 2 3 3 3 3	1 - - 3 - - 2 2 3 3	1		1 1 1 2
50 51 52 53 54 55 56 58 summer: 57 Fall: Semester#11	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391	Environmental Impact of Projects Project Management Professional Environment Electronic Engineering General Regularization Electronic Communications Electronic Communications Automatic Control Systems Field Training 2 Antenna & Wave Propagation	2 1 3 2 3 3 3 3 3 1	1			1 1
50 51 52 53 54 55 56 Summer: 57 Fall: Semester#11	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471	Environmental Impact of Projects Project Management Professional Ethics Electronics Engineering General Requirements (Elective - A) Electrical Communications Electrical Power Automatic Control Systems Field Training 2 Antenna & Ware Propagation Doplat Signal Propagation Doplati Signal Propagation	2 1 3 2 3 3 3 3 3 1	1 - - 3 - - 2 3 3 3			1 1 1 2
50 51 52 53 54 55 55 56 Summer: 57 Fall: Semester#11 58 59	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462	Environmental Impact of Projects Project Management Project Management Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Project Electronic Project Automatic Communications Electronic Project Field Training 2 Antenna & Wave Propagation Dojata Sirgani Processing Dojata Communication Systems Dojata Communication Optioners	2 1 2 1 3 2 3 3 3 3 3 3 3 3	1 - - - 2 3 - - 2 3 3 - 1	1		1 1 1 2
50 51 52 53 54 55 56 56 57 77 Fall: Semester#11 59 60	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471	Enutramental Impact of Projects Project Management Professional Enutramental Professional Enutramental Enutramental Energia Respiratories (Electrica A) Electrica Commissional Electrica Power Automatic Control Systems Field Training 2 Automatic Stational Systems Field Training 2 Digital Communication Systems Digital Communication Systems Digital Communication Systems Digital Communication Systems Project #1	2 1 2 1 3 2 3 3 3 3 1 1	1 3 3 3 3 3 3 2 2			1 1 1 2
50 51 52 53 54 55 56 58 SUFFREE: 57 Fall: Semester#11 58 60 61 62	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491	Environmental Impact of Projects Project Management Professional Environment Electronic Engineering Electronic Engineering Electronic Engineering Electronic Communications Electrodic Power Electrodic Power Automatic Common Systems Automatic Common Systems Automatic Common Systems Automatic Common Systems Digital System Proposation Digital System Proposation Digital Communication Systems Project of Management (Electronic A) Management Systems Project of Management Systems Management System	2 1 2 1 3 2 3 3 3 3 1 1	1 - - - 2 3 - - 2 3 3 - 1			1 1 2
50 51 52 53 54 55 56 56 50 57 Fall: Semester#11 58 60 61 62 63	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462	Enutramental Impact of Projects Project Management Professional Enutramental Professional Enutramental Enutramental Energia Respiratories (Electrica A) Electrica Commissional Electrica Power Automatic Control Systems Field Training 2 Automatic Stational Systems Field Training 2 Digital Communication Systems Digital Communication Systems Digital Communication Systems Digital Communication Systems Project #1	2 1 2 1 3 2 3 3 3 3 1 1	1 3 3 3 3 3 3 2 2			1 1 1 2
50 51 52 53 54 55 55 55 50 50 50 50 50 50 50 60 61 62 62 53 Spring: Semester#12	EN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 471 ELE 491 HUM 101	Environmental Impact of Projects Project Management Professional Efficies Electronics Engineering Electronics Engineering Electronics Engineering Electronic Engineering Electronic Communications Electrical Power Automatic Communications Electrical Power Automatic Control Systems Feld Training 2 Automatic Control Systems Feld Training 2 Electronic Power Electronic Power Electronic Power Electronic Power Electronic Power Electronic Power Electronic	2 1 2 1 3 2 3 3 3 3 1 1	1			1 1 2
50 51 52 53 54 55 55 55 55 56 58 59 60 61 62 62 59 69 64	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491	Enutronneal Impact of Projects Project Management Professional Environment Encounce Engineering Engine	2 1 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1 1 2 3 3 3 3 3 2 2 3 3 3 3 3 3 3 3 3 3			1 1 1 2
50 51 52 53 54 55 56 58 58 59 Fall: Semester#11 58 60 61 62 3 Spring: Semester#12 64 65	EN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101	Environmental Impact of Projects Project Management Project Management Professional Efficies Electronics Engineering Electronics Engineering Electronics Engineering Electronic Communications Electrical Down Electrical Communications Electrical Power Automatic Control Systems Field Training 2 Automatic Control Systems Automatic Control Systems Field Training 2 Automatic Control Systems Digital Engineering Systems Project El Manon Regulariements (Electron - A) Human Rights Mobile Communications Mobile Communications Mobile Communications	2 1 1 3 2 3 3 3 3 3 1 1	1 1			1 1 1 2
50 51 52 53 54 55 55 56 56 57 77 Fall:Semester#11 62 63 Spring:Semester#12 64 65 66	EN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101 ELE 463	Enutronneal Impact of Projects Project Maniagement Professional Environment Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Committeering Electronic Committeering Electronic Power Automatic Control Systems Field Training 2 Antenna & Wave Propagation Dojatal Signal Processing Dojatal Committeering Dojatal Committeering Home Registering Home Registering More	2 1 3 3 3 3 3 3 1 1 3 3 3 3 3 3 3 3 3 3				1 1 2
50 51 52 53 54 55 56 58 58 59 Fall: Semester#11 58 60 61 62 3 Spring: Semester#12 64 65	EN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101	Environmental Impact of Projects Project Management Project Management Professional Efficies Electronics Engineering Electronics Engineering Electronics Engineering Electronic Communications Electrical Down Electrical Communications Electrical Power Automatic Control Systems Field Training 2 Automatic Control Systems Automatic Control Systems Field Training 2 Automatic Control Systems Digital Engineering Systems Project El Manon Regulariements (Electron - A) Human Rights Mobile Communications Mobile Communications Mobile Communications	2 1 1 3 2 3 3 3 3 3 1 1	1 1			1 1 2
50 51 52 53 54 55 55 56 56 57 77 Fall:Semester#11 62 63 Spring:Semester#12 64 65 66	EN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101 ELE 463	Enutronneal Impact of Projects Project Maniagement Professional Environment Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Committeering Electronic Committeering Electronic Power Automatic Control Systems Field Training 2 Antenna & Wave Propagation Dojatal Signal Processing Dojatal Committeering Dojatal Committeering Home Registering Home Registering More	2 1 3 3 3 3 3 3 1 1 3 3 3 3 3 3 3 3 3 3				1 1 2
50 51 52 53 54 55 55 56 56 57 77 Fall:Semester#11 62 63 Spring:Semester#12 64 65 66	EN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101 ELE 463	Environmental Impact of Projects Project Management Professional Environment Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Communications Electrical Power Electrical Power Automatic Control Systems Automatic Control Systems Feld Taining 2 Antenna & Waw Propasation Digital Systam Processing Digital Communication Systems Project at Morro Requirements (Electro- A) Haman Rights Mobile Communications Morro Requirements (Electro- A) White Project at White Project Systam Mobile Communications Morro Requirements (Electro- A) Visingsined Circuita Design Project st Visingsined Circuita Design	2 1 1 2 1 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1 1 2 3 3 3 3 3 3 3 3 4 4			1 1 2
50 51 52 53 54 55 55 56 56 57 77 Fall:Semester#11 62 63 Spring:Semester#12 64 65 66	EN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101 ELE 463 ELE 411 ELE 492	Environmental Impact of Projects Project Management Professional Environment Electronic Engineering Automatic Control Systems Field Training 2 Antenna & Wave Propagation Dojatal Signatia Propession Dojatal Signatia Propession Dojatal Signatia Projection Dojatal Communication Systems Project #1 Haman Rights Morce Requirements (Electronic A) Haman Rights Morce Requirements (Electronic A) Morce Requirements (Electronic A) Haman Rights Morce Requirements (Electronic A) Mor	2 1 1 2 1 3 3 3 3 3 3 1 1 3 3 3 3 3 3 3	1 1 2 3 3 3 3 3 1 1 3 3 3 3 3 3 3 3 3 3			1 1 2
50 51 52 53 54 55 55 56 56 57 77 Fall:Semester#11 62 63 Spring:Semester#12 64 65 66	EN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101 ELE 463 ELE 411 ELE 492	Enutronneal Impact of Projects Protect Management Professional Enutronia Electronic Compensation Electronic Compensation Electronic Compensation Electronic Compensation Electronic Compensation Electronic Power Automatic Control Systems Field Training 2 Antenna & Wave Propagation Double Signal Processing Project #1 Moor Register Compensation Moor Register Electronic Electron A) Haman Rights Mobile Communications Moor Register (Electron A) Haman Rights Mobile Communications Moor Register Communications Moo	2 1 2 1 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1 1 2 3 3 3 3 3 2 2 3 3 3 4 4 96 3 3 3			1 1 2
50 51 52 53 54 55 55 55 55 57 Fall: Semester#12 62 63 Spring: Semester#12 64 65 67	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101 ELE 463 ELE 411 ELE 492	Environmental Impact of Projects Project Management Professional Environment Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Proser Automatic Communications Electronic Proser Field Training 2 Antenna & Wave Propagation Dopial Signal Processing Dopial Communication Systems Project 31 Manual Register Manual Register Manual Register Manual Register Manual Register Manual Register Manual Country Project 32 Total Homan Country Project 32 Total Homan Account Design Project 32 Total Homan Accountry Electronic Accountry Homan Accou	2 1 1 3 2 2 3 3 3 3 3 1 1 1 3 3 3 4 4 1 1 5 5 5 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	1 1 2 2 3 3 3 3 3 3 4 4 96 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			1 1 2
50 51 52 53 54 55 55 56 56 57 77 Fall:Semester#11 62 63 Spring:Semester#12 64 65 66	EN 314 HUM 351 ELE 342 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 471 ELE 462 ELE 491 HUM 101 ELE 463 ELE 411 ELE 462 ELE 464 ELE 464 ELE 467 ELE 467 ELE 467	Enutronneal Impact of Projects Project Management Professional Environment Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Systems Field Training 2 Antenna & Wave Propagation Could Signal Processing Could Signal Processing Outside Signal Processing Project #1 Monor Requirements (Electronic A) Human Rights Mobile Communications Monor Requirements (Electronic A) Harpingel Circuit Design Proces #2 Technology Electronic Electro	2 1 2 1 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1 1 2 3 3 3 3 3 2 2 3 3 3 4 4 96 3 3 3 2 2			1 1 2
50 51 52 53 54 55 55 55 55 57 Fall: Semester#12 62 63 Spring: Semester#12 64 65 67	IEN 314 HUM 351 ELE 322 ELE 361 ELP 321 ELC 361 391 ELE 461 ELE 471 ELE 462 ELE 491 HUM 101 ELE 463 ELE 411 ELE 492	Environmental Impact of Projects Project Management Professional Environment Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Engineering Electronic Proser Automatic Communications Electronic Proser Field Training 2 Antenna & Wave Propagation Dopial Signal Processing Dopial Communication Systems Project 31 Manual Register Manual Register Manual Register Manual Register Manual Register Manual Register Manual Country Project 32 Total Homan Country Project 32 Total Homan Account Design Project 32 Total Homan Accountry Electronic Accountry Homan Accou	2 1 1 3 2 2 3 3 3 3 3 1 1 1 3 3 3 4 4 1 1 5 5 5 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	1 1 2 2 3 3 3 3 3 3 4 4 96 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			1 1 2

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- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
 An ability to apply engineering design to produce obtainen that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
 An ability to communicate effectively with a range of audiences.
 An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental,
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Communication Flight plan summary

