

Scheme of Studies (Spring 2008)

Credit Hours 140-142

Islamabad Campus

1st Semester

S #	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite
1	HUM100	English Comprehension and Composition	3(3,0)	
2	HUM110	Islamic Studies	3(3,0)	
3	HUM111	Pakistan Studies	3(3,0)	
4	PHY121	Applied Physics for Engineers	4(3,1)	
5	MTH101	Calculus - I / Calculus I	3(3,0)	
6	EEE111	Introduction to Computers and Computing	1(0,1)	
			17(15,2)	

2nd Semester

	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite
1	EEE112	Engineering Mechanics and Thermodynamics	3(3,0)	
2	MTH102	Calculus II / Calculus-II	3(3,0)	MTH101
3	MTH241	Ordinary Differential Equations	3(3,0)	MTH101
4	CSC141	Introduction to Computer Programming	4(3,1)	EEE111
5	EEE113	Engineering Drawing	1(0,1)	
6	EEE121	Electric Circuit Analysis - I / Electric Circuits Analysis-I	4(3,1)	MTH101, PHY121
			18(15,3)	

3rd Semester

	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite
1	MTH203	Calculus III / Calculus -III	3(3,0)	MTH102
2	MTH231	Linear Algebra	3(3,0)	MTH101
3	EEE231	Electronics - I / Electronic - I	4(3,1)	EEE121
4	EEE222	Electric Circuit Analysis - II	3(3,0)	EEE121, MTH241
5	EEE241	Digital Logic Design	4(3,1)	
			17(15,2)	

4th Semester

	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite
1	MTH263	Probability Theory and Random Variables	3(3,0)	MTH231, MTH203
2	CSC112	Algorithms and Data Structures	4(3,1)	CSC141
3	EEE261	Electromagnetic Theory	3(3,0)	MTH203
4	EEE223	Signals and Systems	3(3,0)	MTH241
5	EEE232	Electronics - II / Electronics-II	4(3,1)	EEE231, EEE222
6	HUM102	Report Writing Skills	3(3,0)	HUM100
			20(18,2)	

5th Semester

	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite
1	MTH375	Numerical Computations / Numerical Computing	3(2,1)	MTH102,CSC141,MTH 231
2	EEE342	Microprocessor Systems and Interfacing	4(3,1)	EEE241
3	EEE371	Electric Machines	4(3,1)	EEE222
4	EEE324	Digital Signal Processing	4(3,1)	EEE223
5	EEE351	Principles of Communication Systems	4(3,1)	EEE223
			19(14,5)	

6th Semester

	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite
1	EEE325	Control Systems	4(3,1)	EEE223
2	EEE343	Computer Architecture	4(3,1)	EEE342
3	EEE314	Data Communication and Computer Networks	4(3,1)	EEE351
4	CSC322	Operating Systems Concepts	3(3,0)	CSC112
5	EEE344	Digital Systems Design	4(3,1)	EEE241,CSC141
			20(16,4)	

7th Semester

	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite
1	ECO300	Engineering Economics	3(3,0)	
3	CSC341	Networking Programming / Network Programming	4(3,1)	EEE314,CSC141
2	CSC 271	System Programming	4(3,1)	CSC322,CSC141
4		Area Elective*	3(3,0) / 4(3,1)	
5	EEE490	Final Year Project (Part-I)**	1(0,1)	
			15-16 (12,3-4)	

8th Semester

	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite
1	LAW300	Corporate Law	3(3,0)	
2	MGT403	Entrepreneurship	3(3,0)	
3		EE Elective***	3(3,0) / 4(3,1)	
4	EEE490	Final Year Project (Part-II)	5(0,5)	
			14-15 (9,5-8)	

Elective List

	Course Codes	Course Titles (offered)	Credit Hrs	Prerequisite