



Department of Electrical and Computer Engineering

BEE Courses to PLO Mapping

Table 2-2: Mapping of Telecom Courses with PLOs (Fall-19 and Beyond Curriculum)

Telecom			PLO - Learning Domains and Taxonomy Levels											
Sem .	Course Code	Subject	1	2	3	4	5	6	7	8	9	10	11	12
1st	MA101	Calculus I	C1,C2,C3	C3,C4										
1st	PH102	Applied Physics		C1,C3,C1		C1,C3					C3			
1st	EE101L	Electric Circuit Analysis Laboratory				P1							P3	
1st	EE101	Electric Circuit Analysis	C1	C2	C3	C4	C3							
1st	MT171	Engineering Drawing					P3,P3							
1st	HU118	Islamic Studies								C1,C4				A3
1st	HU121	Communication Skills										C1,C2,C3		
1st	HU115	Pakistan Studies						C1,C2						C3,C4
2nd	MA105	Multivariable Calculus	C1,C2	C2,C3,C4										
2nd	MT103	Workshop Practice	P3							A2	A4			
2nd	CE112L	Computer Programming Lab	P1	P2							A2			
2nd	CE112	Computer Programming	C1	C2	C2									
2nd	EE103L	Network Analysis Laboratory	P3			P4						A2		



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6th	EM332	Engineering Economics		C3				C4					C3	
6th	EE374	Analog Communications		C2	C4									C3
6th	HU307	Technical Report Writing										C2, C3, C4		
6th	EE383L	Electrical Measurements and Instr. Laboratory			P5		P4	A3						
6th	EE383	Electrical Measurements and Instr.	C2		C3	C4			C2					
6th	XXX	IDEE												
7th	EE493	Final Year Project II												
7th	EE355L	Control Systems Laboratory				P3	P3				P3	A3		
7th	EE355	Control Systems	C3,C3	C4	C4									
7th	EE338	Digital Signal Processing	C3	C1	C4				C3					
7th	EE474	Digital Communication I	C2	C4	C3									
7th	EE474L	Digital Communication I Laboratory					P2				A2			
	EE416	Microwave Theory and Techniques		C3	C4	C4			C5					
7th	EE416L	Microwave Theory and Techniques Laboratory					P2				A2			
7th	EE338L	Digital Signal Processing Laboratory			P5		P5				A3			
8th	EE477	Digital Communication II		C1, C2	C2	C2	P2							



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8th	EE477L	Digital Communication II Laboratory			P2		P3							
8th	EE463	Telecom Networks		C3	C5				C5					
8th	EE494	Final Year Project III												
8th	EM436	Engineering Management and Entrepreneurship						C2			C3		C3	
8th	HUXX X	Language Elective												
8th	EE463L	Telecom Networks Laboratory					P3							A4



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7Th	EM436	Engineering Management and Entrepreneurship						C2			C3		C3
7Th	EE429	FPGA Based Design			C4	C4			C3				
7Th	EE429L	FPGA Based Design laboratory				P4	P4				A3		
7Th	EE314	Antenna and Wave Propagation	C2	C3		C4			C2				
7Th	EE406	Linear Integrated Circuit Design	C2	C2	C3,C3								
7Th	EE406L	Linear Integrated Circuit Design Laboratory					P2		P2				
7Th	EE314L	Antenna and Wave Propagation Laboratory	P3				P3						
8Th	EE407	VLSI Design		C4	C3	C4			C3				
8Th	XXX	IDEE											
8Th	EE475	Analog & Digital Communication	C2, C2	C2, C3	C4								
8Th	EE475L	Analog & Digital Communication Laboratory			P3		P2				A3		
8Th	EE494	Final Year Project III							C4				



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8Th	HUXX X	Language Elective												
8Th	EE407L	VLSI Design laboratory				P4	P3			A3				



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Table 2-4: Mapping of Power Courses with PLOs (Fall-19 and Beyond Curriculum)

Power			Learning Domains and Taxonomy Levels											
Semester	Course Code	Subject	1	2	3	4	5	6	7	8	9	10	11	12
1st	MA101	Calculus I	C1,C2,C3	C3,C4										
1st	PH102	Applied Physics		C1,C3,C1		C1,C3					C3			
1st	EE101L	Electric Circuit Analysis Laboratory				P1							P3	
1st	EE101	Electric Circuit Analysis	C1	C2	C3	C4	C3							
1st	MT171	Engineering Drawing					P3,P3							
1st	HU118	Islamic Studies								C1,C4				A3
1st	HU121	Communication Skills										C1,C2,C3		
1st	HU115	Pakistan Studies						C1,C2						C3,C4
2nd	MA105	Multivariable Calculus	C1,C2	C2,C3,C4										
2nd	MT103	Workshop Practice	P3							A2	A4			



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4th	HUX XX	International Relations							C1,C2						C3,C4
4th	EE235	Signals and Systems	C2,C3	C3											
4th	EE235 L	Signals and Systems Laboratory					P2				P4				
4th	EE209	Electronic Circuit Design	C2	C4	C3	C3									
4th	EE209 L	Electronic Circuit Design Laboratory			P4	P3					A2				
4th	EE241	Electrical Machines	C1	C3	C4										
4th	EE241 L	Electrical Machines Laboratory					P3				A3				
4th	MA30 3	Probability and Random Variables	C1	C3, C4											
5th	EE383 L	Electrical Measurements and Instr. Laboratory			P5		P4	A3							
5th	EE383	Electrical Measurements and Instr.	C2,C2		C3	C4									
5th	HU11 4	Technical English											C2, C3, C3		
5th	EE328 L	Microprocessors & Microcontrollers Laboratory					P3				A2				
5th	EE328	Microprocessors & Microcontrollers	C2, C3		C3		C4								



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5th	EE381 L	Power Electronics I Laboratory					P3				A2		
5th	EE381	Power Electronics I	C2	C3	C4								
5th	EE347	Power Distribution and Utilization Systems	C2	C3	C4				C2				
6th	EE355	Control Systems	C3,C3	C4	C4								
6th	EE348 L	Power Generation Systems Laboratory				P5	P4						A4
6th	EE355 L	Control Systems Laboratory				P3	P3				P3	A3	
6th	EE338	Digital Signal Processing	C3	C1	C4				C3				
6th	EE348	Power Generation Systems		C3	C4				C3				
6th	HU30 7	Technical Report Writing										C2, C3, C4	
6th	MA20 0	Numerical Methods		C1, C2	C3, C4								
6th	EE492	Final Year Project I											
6th	EE338 L	Digital Signal Processing Laboratory			P5		P5				A3		
7th	EE382	Power Electronics II	C2	C4	C5								
7th	EE382 L	Power Electronics II Laboratory				P3	P2						P3



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7th	EM33 2	Engineering Economics		C3				C4					C3	
7th	EE444	Power Transmission Systems	C2	C4	C4				C3					
7th	EE444 L	Power Transmission Systems Laboratory		P2		P3	P3							
7th	EE493	Final Year Project II												
7th	EE475 L	Analog & Digital Communication Laboratory			P3		P2				A3			
7th	EE475	Analog & Digital Communication	C2, C2	C2, C3	C4									
8th	HUX XX	Language Elective												
8th	EE494	Final Year Project III												
8th	EE445	High Voltage Engineering		C3	C4				C2					
8th	EM43 6	Engineering Management and Entrepreneurship						C2			C3		C3	
8th	XXX	IDEE												
8th	EE445 L	High Voltage Engineering Laboratory			P3		P3				P4			