

Pokhara University
Bachelor of Electrical and Electronics Engineering
Curriculum Structure- 2022

Year	I	Semester I					
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical	
1	PHY 110	Applied Physics	3	3	1	2	
2	ELE 130	Basic Electrical Circuits	3	3	1	2	
3	MTH 110	Calculus - I	3	3	2	0	
4	CMP 112	Computer Programming	3	3	0	2	
5	ELE 132	Electrical Installation Practice and Safety	2	2	1	2	
6	MEC 116	Basic Engineering Drawing	1	0	0	3	
7	MEC 136	Engineering Workshop	1	0	0	3	
		Sub-total	16	14	5	14	
Year	I	Semester II					
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical	
1	MTH 150	Algebra and Geometry	3	3	2	0	
2	MEC 170	Basic Mechanical Engineering	3	3	1	0	
3	ENG 110	Communication Techniques	2	2	2	0	
4	ELE 174	Electrical Engineering Material	3	3	1	0	
5	ELX 174	Electronic Devices	3	3	1	2	
6	ELE 178	Network Theory	3	3	1	2	
		Sub-total	17	17	8	4	
Year	II	Semester III					
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical	
1	MTH 210	Calculus - II	3	3	2	0	
2	ELX 110	Digital Logic	3	3	1	2	
3	ELE 230	Electrical Machine I	3	3	1	2	
4	ELX 234	Electromagnetic Fields and Waves	3	3	1	0	
5	ELX 232	Electronic Circuits	3	3	1	2	
6	ELE 172	Instrumentation	3	3	1	2	
		Sub-total	18	18	7	8	
Year	II	Semester IV					
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical	
1	MTH 250	Applied Mathematics	3	3	2	0	
2	ELE 270	Control System	3	3	1	2	
3	ELE 272	Electrical Machine II	2	2	1	2	
4	ELX 270	Microprocessors	3	3	1	2	
5	MTH 252	Numerical Methods	3	3	1	2	
6	ELE 274	Transmission and Distribution Systems	3	3	1	0	
		Sub-total	17	17	7	8	
Year	III	Semester V					
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical	
1	ELE 334	Control System Design	2	2	1	2	
2	ELE 336	Electrical Machine Design	3	3	1	2	
3	MGT 250	Engineering Economics	3	3	1	0	
4	ELE 342	Power Eletronics	3	3	1	2	
5	ELE 340	Power System Analysis	3	3	1	2	
6	ELX 330	Signals and System	3	3	1	2	
		Sub-total	17	17	6	10	
Year	III	Semester VI					
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical	
1	MGT 320	Engineering Management	3	3	1	0	
2	ELE 372	High Voltage Engineering	3	3	1	0	
3	ELX 370	Modern communication system	3	3	1	0	
4	MTH 216	Probability and Statistics	3	3	1	0	
5	ELE 374	Switch Gear & Protection	3	3	1	2	
6	ELE 378	Utilization of Electrical Energy	3	3	2	0	
		Sub-total	18	18	7	2	
Year	IV	Semester VII					
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical	
1		Elective I	3	3	1	0	
2		Elective II	3	3	1	0	
3	ELE 434	Power Plant Technology	3	3	1	0	
4	ELE 436	Renewable Energy and Grid Integration	3	3	0	2	
5	ELE 338	Research Methodology	2	2	0	0	
6	ELE 440	Transmission and Distribution Design	3	3	0	2	
		Sub-total	17	17	3	4	
Year	IV	Semester VIII					
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical	
1		Elective III	3	3	1	0	
2	INT 488	Internship	3	0	0	6	
3	PRJ 452	Major Project	3	0	0	6	
		Sub-total	9	3	1	12	
		Total	129				