Pokhara University
Bachelor of computer Engineering 2011

year -I **Semester- I**

S.N.	Course Code	Subject	Concurrent Registration Course	Prerequisite Course	Credit	Lecture	Tutorial	Practical
1	MTH 112	Engineering Mathematics -I			3	3	2	0
2	CHM 111	Chemistry			4	4	1	2
3	ENG 111	Communication Technique			2	2	2	1
4	CMP 113	Programming in C			3	3	0	3
5	ELE 110	Basic Electrical Engineering			3	3	1	2
6	MEC 110	Mechanical Workshop			1	0	0	3

year -I **Semester- II**

S.N.	Course Code	Subject	Concurrent Registration Course	Prerequisite Course	Credit	Lecture	Tutorial	Practical
1	MTH 114	Engineering Mathematics -II	**MTH 112**		3	3	2	0
2	PHY 111	Physics			4	4	2	2
3	MEC 120	Engineering Drawing			2	0	0	6
4	CMP 115	Object Oriented Programming C++			3	3	1	3
5	MEC 111	Thermal Science			2	2	1	2
6	MEC 130	Applied Mechanics			3	3	2	0

year- II **Semester- III**

S.N.	Course Code	Subject	Concurrent Registration Course	Prerequisite Course	Credit	Lecture	Tutorial	Practical
1	MTH 212	Engineering Mathematics -III	MTH 114	**MTH 112**	3	3	2	0
2	CMP 225	Data Structure and Algorithms	CMP 113		3	3	1	3
3	ELE 210	Electrical Engineering Material			2	2	2	0
4	ELE 211	Network Theory	ELE 110		3	3	1	2
5	ELX 211	Electronics Device and Circuits			3	3	1	2
6	ELX 212	Logic Circuits			3	3	1	3

year- II **Semester- IV**

S.N.	Course Code	Subject	Concurrent Registration Course	Prerequisite Course	Credit	Lecture	Tutorial	Practical
1	MTH 214	Engineering Mathematics -IV	**MTH 112**	MTH 114	3	3	2	0
2	ELX 231	Instrumentation	ELE 211		3	3	1	2
3	CMP 226	Database Management System			3	3	1	3
4	CMP 211	Programming Technology			3	3	1	2
5	ELX 230	Microprocessor			3	3	1	2
6	CMP 290	Project- I			1	0	0	3

year-III **Semester- V**

S.N.	Course Code	Subject	Concurrent Registration Course	Prerequisite Course	Credit	Lecture	Tutorial	Practical
1	MTH 230	Numerical Method			3	3	1	3
2	MTH 220	Probability and Statistics			3	3	2	0
3	CMP 330	Operating System			3	3	0	2
4	CMP 332	Computer Architecture		ELX 212	3	3	1	1
5	CMP 241	Computer Graphics			3	3	1	2
6	CMP 326	Theory of Computation			3	3	1	0

year-III **Semester- VI**

S.N.	Course Code	Subject	Concurrent Registration Course	Prerequisite Course	Credit	Lecture	Tutorial	Practical
1	CMP 350	Simulation and Modeling			3	3	1	3
2	CMP 340	Data Communication			3	3	1	2
3	CMP 320	Object Oriented Software Engineering			3	3	1	2
4	ELX 312	Embedded System	ELX 230		3	3	1	2
5	—	Elective-I			3			
6	CMP 390	Project- II			2	0	0	4

year-IV **Semester- VII**

S.N.	Course Code	Subject	Concurrent Registration Course	Prerequisite Course	Credit	Lecture	Tutorial	Practical
1	ECO 411	Engineering Economics			3	3	2	0
2	CMP 441	Image Processing & Pattern Recognition			3	3	1	2
3	CMP 455	Artificial Intelligence			3	3	1	2
4	CMP 335	Computer Networks			3	3	0	2
5	CMP 483	ICT Project Management			3	3	1	0
6	—	Elective-II			3			

year-IV **Semester- VIII**

S.N.	Course Code	Subject	Concurrent Registration Course	Prerequisite Course	Credit	Lecture	Tutorial	Practical
1	CMP 442	Digital Signal Analysis and Processing			3	3	1	2
2	CMP 484	Social and Professional Issues in IT			2	2	1	0
3	MGT 321	Organization and Management			2	2	0	0
4	CMP 481	Information Systems			3	3	0	2
5	—	Elective-III			3			
6	CMP 490	Project- III			5	0	0	5