UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA
Pamplona, Las Piñas City
COLLEGE OF ENGINEERING

REVISED FIVE YEAR ENGINEERING CURRICULUM
B.S. IN ELECTRICAL ENGINEERING
EFFECTIVE SCHOOL YEAR 2000-2001

FIRST YEAR - FIRST SEMESTER

	COURSE NO.	COURSE DESCRIPTION	LEC (hrs)	LAB (hrs)	UNITS
_____	Math 114	College Algebra	4	0	4
_____	Math 113	Plane & Spherical Trigonometry	3	0	3
_____	Engl 100	English Plus	(2)	0	(2)
_____	Chem 113	Gen. & Inorganic Chem 1 (lec)	3	0	3
_____	Chem 113L	Gen. & Inorganic Chem 1 (lab)	0	3	1
_____	Draw 111	Engineering Drawing 1	0	3	1
_____	PE 100	Physical Fitness	0	2	2
_____	FCL 100	Filipino Christian 1	3	0	3
_____	Hum 1	Fundamentals of Logic	3	0	3
_____	NSL 1		-	-	(3)
			16(2)	8	20(3)

FIRST YEAR - SECOND SEMESTER

_____	Math 123	Plane and Solid Analytic Geometry	3	0	3
_____	Math 122	Solid Mensuration	2	0	2
_____	Engl 101	Communication Skills	3	0	3
_____	Chem 123	Gen. & Inorganic Chem 2 (lec)	3	0	3
_____	Chem 123L	Gen. & Inorganic Chem 2 (lab)	0	3	1
_____	Draw 121	Engineering Drawing 2	0	3	1
_____	PE 200	Rhythmics	0	2	2
_____	Soc Sci 003	Psychology	3	0	3
_____	FCL 200	Filipino Christian 2	3	0	3
_____	NSL 2		-	-	(3)
			17	8	21(3)

SECOND YEAR - FIRST SEMESTER

_____	Math 215	Differential Calculus	5	0	5
_____	Phys 213	Physics 1 (lec)	3	0	3
_____	Phys 213L	Physics 1 (lab)	0	3	1
_____	Engl 200	Technical Report Writing	3	0	3
_____	CS 002	Computer Fund. & Programming (lec)	2	0	2
_____	CS 002L	Computer Fund. & Programming (lab)	0	3	1
_____	Fil 113	Sining ng Pakikipagtalastasan	3	0	3
_____	PE 300	Ind. / Dual Sports	0	2	2
_____	FCL 300	Filipino Christian 3 (Hum. 2)	3	0	3
_____	Draw 211	Engineering Drawing 3	0	3	1
			19	11	24

SECOND YEAR - SECOND SEMESTER

_____	Math 225	Integral Calculus	5	0	5
_____	Phys 223	Physics 2 (lec)	3	0	3
_____	Phys 223L	Physics 2 (lab)	0	3	1
_____	Engl 223	Public Speaking	3	0	3
_____	Fil 123	Panitikang Pilipino	3	0	3
_____	PE 400	Team Sports	0	2	2
_____	FCL 400	Filipino Christian 4	3	0	3
_____	NC 203	Phil. Gov't. & New Constitution	3	0	3
			20	5	23

THIRD YEAR - FIRST SEMESTER

	COURSE NO.	COURSE DESCRIPTION	LEC (hrs)	LAB (hrs)	UNITS
_____	Mech 315	Engineering Mechanics	5	0	5
_____	EE 312	Electro Magnetics	3	0	3
_____	EE 311	Electrical Circuits 1 (lec)	3	0	3
_____	EE 311L	Electrical Circuits 1 (lab)	0	3	1
_____	Math 313	Differential Equations	3	0	3
_____	CS 003	Computer Fundamentals 2 (lec)	2	0	2
_____	CS 003L	Computer Fundamentals 2 (lab)	0	3	1
_____	Rizal 003	Rizal's Life Works & Writings	3	0	3
_____	FCL 500	The Perpetualite: The Achiever	3	0	3
			22	6	24

THIRD YEAR - SECOND SEMESTER

_____	Mech 323	Strength of Materials	3	0	3
_____	EE 323L	Electrical Shop Practice (lab)	0	3	1
_____	EE 321	Electrical Circuits 2 (lec)	3	0	3
_____	EE 321L	Electrical Circuits 2 (lab)	0	3	1
_____	ECE 301	Electronics 1 (lec)	3	0	3
_____	ECE 301L	Electronics 1 (lab)	0	3	1
_____	CS 004	Computer Fundamentals 3	2	0	2
_____	CE 323	Environmental Science & Mgt.	3	0	3
_____	Math 323	Advanced Engineering Math for EE	3	0	3
_____	ME 313	Thermodynamics	3	0	3
_____	FCL 600	The Perpetualite & Society	3	0	3
			23	9	26

FOURTH YEAR - FIRST SEMESTER

_____	Stat 003	Methods Research (w/ Prob. & Stat.)	3	0	3
_____	EE 413	Electrical Circuits 3	2	0	2
_____	EE 414	Energy Conversion (lec)	3	0	3
_____	EE 414L	Energy Conversion (lab)	0	3	1
_____	ECE 401	Electronics 2 (lec)	3	0	3
_____	ECE 401L	Electronics 2 (lab)	0	3	1
_____	EEco 003	Engineering Economy	3	0	3
_____	GE 324	Fluid Mechanics	3	0	3
_____	EE 325	Engineering Materials	2	0	2
_____	Soc Sci 403	Sociology w/ Family Planning	3	0	3
			22	6	24

FOURTH YEAR - SECOND SEMESTER

_____	EE 420	Electrical System Design 1 (lec)	3	0	3
_____	EE 420L	Electrical System Design 1 (lab)	0	3	1
_____	EE 423	Control System	3	0	3
_____	EE 421	Electrical Machinery (lec)	3	0	3
_____	EE 421L	Electrical Machinery (lab)	0	3	1
_____	Comp 421	Computer Systems	3	0	3
_____	ECE 422	Principles of Communication	3	0	3
_____	EMan 003	Engineering Management	3	0	3
_____	Hum. 3	Dev't. of Western Thought	3	0	3
_____	EE 425	Electrical Equipment & Devices	2	0	2
			23	6	25

FIFTH YEAR - FIRST SEMESTER

_____	EE 513	Electrical Machine Design (lec)	3	0	3
_____	EE 517	Power System	3	0	3
_____	EE 518	Instrumentation and Measurement	3	0	3
_____	EE 511	Industrial Electronics (lec)	2	0	2
_____	EE 511L	Industrial Electronics (lab)	0	3	1
_____	EE 525	Seminars and Field Trips	0	3	1
_____	LRT 003	Land Reform and Taxation	3	0	3
_____	EE 520	Project Feasibility (lec)	3	0	3
			17	6	19

FIFTH YEAR - SECOND SEMESTER

_____	EE 522	Electrical System Design 2 (lec)	3	0	3
_____	EE 522L	Electrical System Design 2 (lab)	0	3	1
_____	EE 523	EE laws, Contracts and Ethics	2	0	2
_____	EE 530	Safety Engineering	1	0	1
_____	EE 535	Practicum (OJT)	0	3	1
_____	EE 520L	Project Feasibility Study (lab)	0	3	1
_____	CAD 001	Computer Aided Circuit Analysis and Design (lec)	2	0	2
_____	CAD 001L	Computer Aided Circuit Analysis and Design (lab)	0	3	1
_____	ME 518	Nuclear Power Engineering	2	0	2
_____	EE 516	Microprocessors	2	0	2
			12	12	16