



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



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

FIRST YEAR - FIRST SEMESTER

COURSE NO.	COURSE DESCRIPTION	LEC (hrs)	LAB (hrs)	UNITS
_____	Math 114	4	0	4
_____	Math 113	3	0	3
_____	Engl 100	(2)	0	(2)
_____	Chem 113	3	0	3
_____	Chem 113L	0	3	1
_____	Draw 111	0	3	1
_____	PE 100	0	2	2
_____	FCL 100	3	0	3
_____	Hum 1	3	0	3
_____	NSL 1	-	-	(3)
		16(2)	8	20(3)

FIRST YEAR - SECOND SEMESTER

_____	Math 123	3	0	3
_____	Math 122	2	0	2
_____	Engl 101	3	0	3
_____	Chem 123	3	0	3
_____	Chem 123L	0	3	1
_____	Draw 121	0	3	1
_____	PE 200	0	2	2
_____	Soc Sci 003	3	0	3
_____	FCL 200	3	0	3
_____	NSL 2	-	-	(3)
		17	8	21(3)

SECOND YEAR - FIRST SEMESTER

_____	Math 215	5	0	5
_____	Phys 213	3	0	3
_____	Phys 213L	0	3	1
_____	Engl 200	3	0	3
_____	CS 002	2	0	2
_____	CS 002L	0	3	1
_____	Fil 113	3	0	3
_____	PE 300	0	3	1
_____	FCL 300	3	0	3
_____	Draw 211	0	3	1
		19	11	24

SECOND YEAR - SECOND SEMESTER

_____	Math 225	5	0	5
_____	Phys 223	3	0	3
_____	Phys 223L	0	3	1
_____	Engl 223	3	0	3
_____	Fil 123	3	0	3
_____	PE 400	0	2	2
_____	FCL 400	3	0	3
_____	NC 203	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
_____	ME 311	Thermodynamics 1	3	0	3
_____	ME 312	Machine Elements 1 (lec)	2	0	2
_____	ME 312L	Machine Elements 1 (lab)	0	3	1
_____	ME 310L	Workshop Theory & Practice (lab)	0	6	2
_____	EE 311	Elementary Electrical Eng'g (lec)	2	0	2
_____	EE 311L	Elementary Electrical Eng'g (lab)	0	3	1
_____	Math 313	Differential Equations	3	0	3
_____	Rizal 003	Rizal's Life, Works & Writings	3	0	3
_____	FCL 500	The Perpetualite: The Achiever	<u>3</u>	<u>0</u>	<u>3</u>
			21	12	25

THIRD YEAR - SECOND SEMESTER

_____	Mech 325	Strength of Materials	5	0	5
_____	ME 321	Thermodynamics 2	3	0	3
_____	ME 322	Machine Elements 2 (lec)	2	0	2
_____	ME 322L	Machine Elements 2 (lab)	0	3	1
_____	ME 320L	Machine Shop Theory & Practice	0	6	2
_____	ME 413	Internal Combustion Engine	2	0	2
_____	ME 323	Materials Science & Testing (lec)	2	0	2
_____	ME 323L	Materials Science & Testing (lab)	0	3	1
_____	Math 323	Advanced Engineering Math for ME	3	0	3
_____	CE 323	Environmental Science & Management	3	0	3
_____	FCL 600	The Perpetualite & Society	<u>3</u>	<u>0</u>	<u>3</u>
			23	12	27

FOURTH YEAR - FIRST SEMESTER

_____	GE 411	Fluid Mechanics (lec)	3	0	3
_____	GE 411L	Fluid Mechanics (lab)	0	3	1
_____	ME 410L	ME Laboratory 1	0	6	2
_____	ME 414	Machine Design 1 (lec)	3	0	3
_____	ME 414L	Machine Design 1 (lab)	0	3	1
_____	ME 412	Heat Transfer	2	0	2
_____	Stat 003	Method of Research (w/ Prob. & Stat.)	3	0	3
_____	EE 413	Basic Electronics (lec)	2	0	2
_____	EE 413L	Basic Electronics (lab)	0	3	1
_____	EEco 003	Engineering Economy	3	0	3
_____	Hum. 3	Devt. of Western Thought	<u>3</u>	<u>0</u>	<u>3</u>
			19	15	24

FOURTH YEAR - SECOND SEMESTER

_____	ME 424	Machine Design 2 (lec)	3	0	3
_____	ME 424L	Machine Design 2 (lab)	0	3	1
_____	ME 420L	ME Laboratory 2	0	6	2
_____	ME 422	Refrigeration Engineering	3	0	3
_____	ME 421	Fluid Machinery	3	0	3
_____	EE 420	DC / AC Machinery (lec)	3	0	3
_____	EE 420L	DC / AC Machinery (lab)	0	3	1
_____	ME 423	Steam Power Engineering	3	0	3
_____	ME 425	Instrumentation & Control Eng'g (lec)	2	0	2
_____	ME 425L	Instrumentation & Control Eng'g (lab)	<u>0</u>	<u>3</u>	<u>1</u>
			17	15	22

FIFTH YEAR - FIRST SEMESTER

_____	ME 510L	ME Laboratory 3	0	6	2
_____	ME 512	Airconditioning & Design	2	0	2
_____	ME 511	Industrial Plant Design (lec)	2	0	2
_____	ME 511L	Industrial Plant Design (lab)	0	6	2
_____	ME 513	Indt'l. Processes & Plant Inspection (lec)	2	0	2
_____	ME 513L	Indt'l. Processes & Plant Inspection (lab)	0	6	2
_____	ME 515	Engineering Management	3	0	3
_____	ME 514	Safety Engineering	1	0	1
_____	LRT 003	Land Reform & Taxation	<u>3</u>	<u>0</u>	<u>3</u>
			13	18	19

FIFTH YEAR - SECOND SEMESTER

_____	ME 522	Power Plant Design (lec)	4	0	4
_____	ME 522L	Power Plant Design (lab)	0	6	2
_____	ME 525	ME Laws Contracts & Ethics	2	0	2
_____	ME 524	Vibration Engineering	2	0	2
_____	ME 526	Practicum (OJT)	0	3	1
_____	ME 521	Project Feasibility Study (lec)	1	0	1
_____	ME 521L	Project Feasibility Study (lab)	0	3	1
_____	Soc Sci 403	Sociology w/ Family Planning	3	0	3
_____	ME 523	Power Plant Oper. & Maintenance (lec)	1	0	1
_____	ME 523L	Power Plant Oper. & Maintenance (lab)	<u>0</u>	<u>3</u>	<u>1</u>
			13	15	18