



**UNIVERSITY OF PERPETUAL HELP SYSTEM**  
 Pamplona, Las Piñas City  
[www.perpetualdalta.edu.ph](http://www.perpetualdalta.edu.ph)

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**  
 CY 2007-2008  
 CMO 53 – S. 2006  
 Enhanced 2008

	<b>COURSE CODE</b>	<b>DESCRIPTIVE TITLE</b>	<b>TOTAL UNITS</b>	<b>LEC.</b>	<b>LAB.</b>	<b>PRE-REQ.</b>
<b><u>FIRST YEAR</u></b>						
<b>1<sup>st</sup> Semester</b>						
_____	CS 111	Computer Science Fundamentals – Lec.	3	2		
_____	CS 111L	Computer Science Fundamentals – Lab.			1	
_____	CS 112	Programming 1 – Lec.	3	2		
_____	CS 112L	Programming 1 – Lab.			1	
_____	MAT 100	Algebra	3	3	-	
_____	ENG 100	Communication Skills 1	3	3	-	
_____	SOC 300	Fundamentals of Logic	3	3	-	
_____	PE 100	Physical Fitness	2	2	-	
_____	FCL 102	The Perpetualite: Identity and Dignity	2	2	-	
_____	NSTP 100	National Services Training Program 1	<u>3</u>	<u>3</u>	-	
			<b>22</b>	<b>20</b>	<b>2</b>	
<b>2<sup>nd</sup> Semester</b>						
_____	CS 121	Programming 2 – Lec.	3	2		CS112
_____	CS 121L	Programming 2 – Lab.			1	
_____	CS 122	Data Structures	3	3	-	CS112
_____	MAT 205	Plane Trigonometry	3	3	-	MAT100
_____	ENG 200	Communication Skills 2	3	3	-	ENG100
_____	PHY 106	Physics 1 - Force and Motion – Lec.	3	2		MAT 100
_____	PHY 106L	Physics 1 – Force and Motion – Lab.			1	
_____	FCL 202	The Perpetualite: A Man of God	2	2	-	FCL 100
_____	PE 200	Social Dances	2	2	-	PE 100
_____	NSTP 200	National Services Training Program 2	<u>3</u>	<u>3</u>	-	
			<b>22</b>	<b>20</b>	<b>2</b>	
<b><u>SECOND YEAR</u></b>						
<b>1<sup>st</sup> Semester</b>						
_____	CS 211	Object-Oriented Programming – Lec.	3	2		CS121
_____	CS 211L	Object-Oriented Programming – Lab.			1	
_____	CS 212	Design & Analysis of Algorithms	3	3	-	CS 122
_____	CS 213	Discrete Structures	3	3	-	CS 122/CS 212 – as Co-requisite
_____	MAT 206	Calculus	3	3	-	MAT 205
_____	PHY 206	Physics 2 – Electromagnetism – Lec.	3	2		PHY 106
_____	PHY 206L	Physics 2 – Electromagnetism – Lab.			1	
_____	ENG 300	Speech and Oral Communication	3	3	-	
_____	FCL 302	The Perpetualite: Called to Perfection	2	2	-	
_____	PE 300	Individual/Dual Sports	<u>2</u>	<u>2</u>	-	PE 100
			<b>22</b>	<b>20</b>	<b>2</b>	
<b>2<sup>nd</sup> Semester</b>						
_____	CS 221	Database Systems – Lec.	3	2		CS 211
_____	CS 221L	Database Systems – Lab			1	
_____	CS 222	Programming Languages – Lec	3	2		CS 212/CS 211
_____	CS 222L	Programming Languages – Lab			1	
_____	CS 223	Automata & Language Theory	3	3	-	CS 213
_____	CS 224	Digital Design – Lec.	3	2		CS 213
_____	CS 224L	Digital Design – Lab.			1	
_____	MAT 305	Probability and Statistics	3	3	-	MAT 100
_____	SOC 405	Philippine History & Culture	3	3	-	
_____	FCL 402	The Perpetualite: Man for Others	2	2	-	
_____	PE 400	Team Sports	<u>2</u>	<u>2</u>	-	PE100
			<b>22</b>	<b>19</b>	<b>3</b>	

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<b><u>THIRD YEAR</u></b>						
<b>1<sup>st</sup> Semester</b>						
_____	CS 311	Web Programming – Lec.	3	2		CS 121
_____	CS 311L	Web Programming – Lab.			1	
_____	CS 312	System Analysis and Design – Lec.	3	2		CS 121
_____	CS 312L	System Analysis and Design – Lab.			1	
_____	CS 313	Comp. Archi. w/ Assembly Lang. - Lec	3	2		CS 224
_____	CS 313L	Comp. Archi. w/ Assembly Lang. - Lab			1	
_____	CS 314	CS – Elective 1 – Artificial Intelligence	3	3	-	3 <sup>rd</sup> Year
_____	PSY 100	Psychology	3	3	-	
_____	HUM 300	Art Appreciation	3	3	-	
_____	FIL 103	Komunikasyon sa Akademikong Filipino	3	3	-	
_____	FCL 502	The Perpetualite: A Filipino Christian Leader	<u>2</u>	<u>2</u>	<u>-</u>	
			<b>23</b>	<b>20</b>	<b>3</b>	
<b>2<sup>nd</sup> Semester</b>						
_____	CS 321	Software Engineering – Lec.	3	2		CS 312
_____	CS 321L	Software Engineering – Lab.			1	
_____	CS 322	Operating Systems – Lec.	3	2		CS 121
_____	CS 322L	Operating Systems – Lab.			1	
_____	CS 323	CS-Elective 2 – Lec. Graphics & Visualization	3	2		CS 314.
_____	CS 323L	CS-Elective 2 – Lab. Graphics & Visualization			1	
_____	CS 324	Free Elective (Numerical Analysis)	3	3	-	MAT 100
_____	SOC 605	Politics & Governance w/ Philippine Constitution	3	3	-	
_____	SOC 700	Life & Works of Rizal	3	3	-	
_____	FIL 204	Pagbasa at Pagsulat tungo sa Pananaliksik	3	3	-	FIL 103
_____	FCL 602	The Perpetualite: A Minister of Life	<u>2</u>	<u>2</u>	<u>-</u>	
			<b>23</b>	<b>20</b>	<b>3</b>	
<b><u>SUMMER</u></b>						
_____	CS 500	OJT/Practicum	3			
<b><u>FOURTH YEAR</u></b>						
<b>1<sup>st</sup> Semester</b>						
_____	CS 411	Thesis 1	3	3	-	4 <sup>th</sup> Year
_____	CS 412	Network Prin. & Programming – Lec.	3	2		CS 313
_____	CS 412L	Network Prin. & Programming – Lab.			1	
_____	CS 413	Professional Ethics	3	3	-	Senior Standing
_____	CS 414	CS Elective 3 - Lec. (Operating Systems: Configuration & Use)	3	2		CS 323
_____	CS 414L	CS Elective 3 - Lab.(Operating Systems: Configuration & Use)			1	
_____	CS 415	Compiler Design – Lec.	3	2		CS 323
_____	CS 415L	Compiler Design – Lab.			1	
_____	SOC 500	Economics with TAR	3	3	-	
_____	FCL 702	The Perpetualite: A Character and Nation Builder	<u>2</u>	<u>2</u>	<u>-</u>	
			<b>20</b>	<b>17</b>	<b>3</b>	
<b>2<sup>nd</sup> Semester</b>						
_____	CS 421	Thesis 2	3	3	-	CS 411
_____	CS 422	CS Elective 4 – Issues and Seminar	3	3	-	CS 414
_____	CS 423	Free Elective – Operation Research	3	3	-	
_____	HUM 200	World Literature	3	3	-	
_____	CS 424	Free Elective – Lec. Object.-Oriented Prog.2	3	2		CS 211
_____	CS 424L	Free Elective – Lab.Object-Oriented Prog. 2			1	
_____	FIL 301	Masining na Pagpapahayag	3	3	-	
_____	FCL 802	The Perpetualite: A Helper of God	<u>2</u>	<u>2</u>	<u>-</u>	
			<b>20</b>	<b>19</b>	<b>1</b>	