

**University of Perpetual Help System DALTA**  
**Alabang – Zapote Road Pamplona Las Piñas City**

**BS MARINE ENGINEERING**

Effective SY 2006 – 2007

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC.	LAB.
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**FIRST YEAR**

**First Semester**

Math 1	College Algebra	3	0	3
English 1	English 1 – Communication Skills	3	0	3
Comp. 1	Basic Computer Operation	2	1	3
Chem 1	General Chemistry	3	1	4
Filipino 1	Komunikasyon sa Akademikong Filipino	3	0	3
Seam 1	Ships, Ship Routines & Construction	2	1	3
E Mat	Engineering Materials	3	0	3
PE1	Basic Swimming	0	(2)	2
FCL 1	The Perpetualite: Identity and Dignity	2	0	2
NSTP 1	National Service Training Program			3
	<b>Sub-Total</b>			<b>29</b>

**Second Semester**

Mashop 1	Machine Shop 1	1	2	3
Draw 1	Marine Engineering Drawing and Design	1	1	2
English 2	English 2 – Communication Skills	3	0	3
Math 2	Plane Trigonometry and Solid Mensuration	5	0	5
Physics 1	Physics 1	3	1	4
Filipino 2	Pagbasa at Pagsulat tungo sa Pananaliksik	3	0	3
PE 2	Combative Sports (Arnis, Karate, Taekwando, Judo, etc.)	0	(2)	2
NSTP 2	National Service Training Program			3
FCL 2	The Perpetualite: A Man of God	2	0	2
	<b>Sub-Total</b>			<b>27</b>

**SECOND YEAR**

**First Semester**

Physics 2	Physics 2	3	1	4
MaShop 2	Machine Shop 2	1	2	3
Chem 2	Industrial Chemistry ( <i>formerly: Fuel Oil &amp; Lubricants</i> )	2	0	2
Electro 1	Electro Technology 1	2	1	3
E-watch	Engine Room Watchkeeping	1	0	1
English 3	Marine Vocabulary and Terms (Maritime English)	3	0	3
Naval Arch	Introduction to Naval Architecture	2	0	2
Math 3	Calculus and Analytic Geometry	3	0	3
SocSci.1	Philippine History, Constitution, Taxation & Land Reform	3	0	3
PE 3	Advanced Swimming		(2)	2
FCL 3	The Perpetualite: Called to Perfection	2	0	2
	<b>Sub-Total</b>			<b>28</b>

**Second Semester**

Engl 4	Technical Writing with Oral Communication	3	0	3
AuxMach1	Auxiliary Machinery 1	3	1	4
Electro 2	Electro Technology 2	3	1	4
Power 1	Marine Power Plant (Diesel)	3	1	4
Mashop 3	Machine Shop 3	1	2	3
Thermo	Thermodynamics	4	0	4
PE4	Survival Technique	0	(2)	2
FCL 4	The Perpetualite: A Man for Others	2	0	2
	<b>Sub-Total</b>			<b>26</b>

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**THIRD YEAR**

**First Semester**

Safety 1	Basic Safety 1	1	1	2
Electro 3	Electro Technology 3	3	1	4
MARPOL	Marine Pollution and Prevention	3	0	3
Aux Mach2	Auxiliary Machinery 2	2	1	3
Soc scie 2	General Psychology with Alcohol and Drug Prevention, STD, HIV & AIDS Prevention	3	0	3
Hum 1	World Geography	3	0	3
Auto 1	Marine Automation 1	3	1	4
FCL 5	The Perpetualite: A Filipino Christian Leader	2	0	2
	<b>Sub-Total</b>			<b>24</b>

**Second Semester**

Mech	Mechanics & Hydromechanics	4	0	4
Info Tech Ship Buss. Mar Survey	Technical Elective (Introduction to Information Technology, Introduction to Ship Business Management or Introduction to Marine Surveying)	3	0	3
Marlaw	Maritime Law	3	0	3
Power 2	Marine Power Plant (Steam)	3	1	4
Auto 2	Instrumentation and Control	3	0	3
Persman	Shipboard Personnel Management	3	0	3
Soc sci. 3	Life and Works of Rizal	3	0	3
Marscie	Maritime Science	2	0	2
FCL 6	The Perpetualite: A Minister of Life	2	0	2
	<b>Sub-Total</b>			<b>27</b>

**SHIPBOARD TRAINING. ONE YEAR SEAGOING SERVICE** documented in a CHED-approved record book is awarded with **40 Credit Units**. Seagoing service shall be supervised and include at least six months bridge watchkeeping duties under the supervision of the Master or a qualified Officer.