



Republic of the Philippines
JOSE RIZAL MEMORIAL STATE UNIVERSITY

The Premier University in the Province of Zamboanga del Norte

Gov. Guanding Adaza St., Sta. Cruz, Dapitan City
 Province of Zamboanga del Norte



Level III



Registration No. 62Q17082
INSTITUTIONAL LEVEL

BACHELOR OF SCIENCE IN MARINE BIOLOGY

(based on CMO No. 46 s. 2017)

FIRST YEAR					
First Semester				Second Semester	
Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	
		L E C	L A B		
Foundation Physics I	Mechanics, Electromagnetism and Gravitational Theory	2	1		
Foundation Math I	Differential Calculus	4			
Foundation Chem I	Inorganic Chemistry	2	1		
Foundation Bio I	Cell and Molecular Biology	3	1		
GE - ST	Science, Technology & Society	3			
PE 11	Movement Enhancement (ME)	2			
NSTP 1	National Service Training Program 1	3			
TOTAL		22			

Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	
		L E C	L A B		
Foundation Physics II	Waves, Optics, and Thermodynamics	2	1		
Foundation Math II	Differential Statistics	3			
Foundation Chem II	Organic Chemistry	3	1		
Foundation Bio II	General Physiology	2	1		
FIL1	Kontekstwalisadong Komunikasyon sa Filipino	3			
PE 12	Fitness Exercise (FE)	2			PE 11
NSTP 2	National Service Training Program 2	3			NSTP 1
TOTAL		21			

SECOND YEAR					
First Semester				Second Semester	
Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	
		L E C	L A B		
Oceanography I	Physical & Chemical Oceanography	3	1	Foundation Physics II, Foundation Math I	
Foundation Chem III	Biochemistry	2	1	Foundation Chem II	
Foundation Bio III	Developmental and Reproductive Biology	2	1	Foundation Bio I	
GE – AA	Art Appreciation	3			
GE – PH	Readings in Philippine History	3			
GE – US	Understanding the Self	3			
PE 21	Physical Activities Towards Health & Fitness (PATH-Fit) 1 (Dance, Sports, Outdoor & Adventure Activities)	2		PE 12	
TOTAL		21			

Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	
		L E C	L A B		
Oceanography II	Biological Oceanography	3	1	Foundation Bio II, Foundation Chem II	
ES	Earth Science	2	1		
Foundation Bio IV	Ecology	2	1	Foundation Bio I	
GE – PC	Purposive Communication	3			
FIL2	Filipino sa Iba't Ibang Disiplina	3			
GE – E	Ethics	3			
PE 22	Physical Activities Towards Health & Fitness (PATH-Fit) 2 (Dance, Sports, Outdoor & Adventure Activities)	2		PE 21	
TOTAL		21			

THIRD YEAR					
First Semester				Second Semester	
Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	
		L E C	L A B		
BIO – MB	Marine Botany	3	1		
MZ I	Marine Zoology I (Invertebrates)	3	1		
*Elective Marine Bio I	Ichthyology	3	1		
Foundation Bio V	Genetics	3	1		
BIO – B	Biostatistics	3			
TOTAL		19			

Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	
		L E C	L A B		
BIO – ME	Marine Ecology	3	1	Oceanography II, BIO-MB & MZ I	
BIO – ER	Elements of Research	3			
*Elective Marine Bio II	Marine Pollution	3	1		
GE – MM	Mathematics in the Modern World	3			
GE – CW	The Contemporary World	3			
MARINE RESEARCH I	Thesis	2			
TOTAL		19			

SUMMER				
Course No.	Course Title	Units		Pre-requisite
		LEC	LAB	
PRACTICUM	On-the-Job Training (24 hours/week)		3	
TOTAL		3		

FOURTH YEAR					
First Semester				Second Semester	
Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	
		L E C	L A B		
BIO – CR	Coral Reefs	2	1	BIO-ME	
MZ II	Marine Zoology (Vertebrates)	3	1		
*Elective Marine Bio III	Mariculture/Silviculture	3	1	MZ I	
RIZAL	Rizal's Life and Works	3			
PAN1	Sinesosyedad/Pelikulang Panlipunan	3			
MARINE RESEARCH II	Thesis	2			
TOTAL		16			

Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	
		L E C	L A B		
BIO – MF	Marine Micro & Fungi	3	1	Foundation Bio 1	
BIO – CMR	Integrated Coastal/Marine Resources Management	3	1	BIO-MB, MZ I & Foundation Bio IV	
BIO – SBE	Systematics, Biodiversity and Evolution	3	1		
MARINE RESEARCH III	Thesis	2			
TOTAL		18			14