



SCHOOL OF ARTS AND SCIENCES

Bachelor of Science in Biology

Major: Animal Biology

CMO No. 49 Series of 2017

BOT Resolution no. 20-G S. 2020

Effective First Trimester S.Y 2020 - 2021

Name:

FIRST YEAR									
GRADE	SUBJECT CODE	DESCRIPTIVE TITLE	UNIT		HOUR		CREDIT	PRE-REQUISITE	CO-REQUISITE
			Lec	Lab	Lec	Lab			
First Trimester									
	Chem 100	Inorganic Chemistry	2	1	3	4.5	3		
	SocSci 11	Understanding the Self	3	0	4.5	0	3		
	NCE	NMSCST's Culture of Excellence	3	0	4.5	0	3		
	Research 101	Introduction to Research	3	0	4.5	0	3		
	PathFit 1	Movement Competency	2	0	3	0	2		
	NSTP 1	National Service Training Program (ROTC/CWTS/LES)	3	0	4.5	0	3		
			16	1	24	4.5	17		
Second Trimester									
	Bio 101	General Zoology	3	2	4.5	9	5		
	BioStat	Statistics for Biology	2	1	3	4.5	3		
	Hist 11	Readings in Philippine History	3	0	4.5	0	3		
	PathFit 2	Fitness Training	2	0	3	0	2	PathFit 1	
	NSTP 2	National Service Training Program (ROTC/CWTS/LES)	3	0	4.5	0	3	NSTP 1	
			13	3	19.5	13.5	16		
Third Trimester									
	Chem 101	Organic Molecules	2	1	3	4.5	3		
	Bio 102	General Botany	3	2	4.5	9	5		
	ConWorld	The Contemporary World	3	0	4.5	0	3		
	JEEP 1	Job Enabling English Proficiency - Start	3	0	4.5	0	3		
	PathFit 3	Dance/Sports/Group Exercises 1	2	0	3	0	2	PathFit 2	
			13	3	19.5	13.5	16		

SECOND YEAR									
GRADE	SUBJECT CODE	DESCRIPTIVE TITLE	UNIT		HOUR		CREDIT	PRE-REQUISITE	CO-REQUISITE
			Lec	Lab	Lec	Lab			
First Trimester									
	Chem 102	Biomolecules	3	2	4.5	9	5	Chem 101	
	Bio 103	Systematics	3	2	4.5	9	5	Bio 101, Bio 102	
	JEEP 2	Job Enabling English Proficiency - Accelerate	3	0	4.5	0	3	JEEP 1	
	PathFit 4	Dance/Sports/Group Exercises 2	2	0	3	0	2	PathFit 3	
			11	4	16.5	18	15		
Second Trimester									
	Chem 103	Analytical Chemistry	2	1	3	4.5	3	Chem 102	
	Bio 104	General Ecology	3	2	4.5	9	5	Bio 101, Bio 102	
	Hum 11	Art Appreciation	3	0	4.5	0	3		
	MMW	Mathematics in the Modern World	3	0	4.5	0	3		
			11	3	16.5	13.5	14		
Third Trimester									
	Bio 105	Microbiology and Parasitology	3	2	4.5	9	5	Bio 101, Bio 102	
	Bio 106	Genetics	3	2	4.5	9	5	Chem 102, Bio 101, Bio 102	
	Ethics	Ethics	3	0	4.5	0	3		
	STS	Science, Technology and Society	3	0	4.5	0	3		
			12	4	18	18	16		

THIRD YEAR									
GRADE	SUBJECT CODE	DESCRIPTIVE TITLE	UNIT		HOUR		CREDIT	PRE-REQUISITE	CO-REQUI TE
			Lec	Lab	Lec	Lab			
First Trimester									
	Bio 107	Evolutionary Biology	3	2	4.5	9	5	Bio 103	
	Bio 108	Cell and Molecular Biology	3	2	4.5	9	5	Chem 103, Bio 106	
	PurCom	Purposive Communication	3	0	4.5	0	3		
	Rizal	Life and Works of Rizal	3	0	4.5	0	3		
			12	4	18	18	16		
Second Trimester									
	Bio 109	General Physiology	3	2	4.5	9	5	Chem 103, Bio 108	
	Bio 110	Developmental Biology	3	2	4.5	9	5	Bio 108, Bio 109	
	BioPhysics	Physics for Biology	2	2	3	9	4	MMW	
			8	6	12	27	14		
Third Trimester									



	Zoo 101	Human Anatomy and Physiology	3	2	4.5	9	5	Bio 109, Bio 110	
	Thesis 1	Biological Research I	2	0	3	0	2	Research 101	
	PICPS	Philippine Indigenous Communities & Peace Studies	3	0	4.5	0	3		
	GAS	Gender and Society	3	0	4.5	0	3		
	PPC	Philippine Popular Culture	3	0	4.5	0	3		
			14	2	21	9	16		

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FOURTH YEAR									
GRADE	SUBJECT CODE	DESCRIPTIVE TITLE	UNIT		HOUR		CREDIT	PRE-REQUISITE	CO-REQUISITE
			Lec	Lab	Lec	Lab			
First Trimester									
	Bio 111	Bioseminar	1	0	1.5	0	1		
	Zoo 102	Invertebrate Biology	3	2	4.5	9	5	Bio 110	
	Zoo 103	Animal Physiology	3	2	4.5	9	5	Bio 109, Zoo 101	
	Thesis 2	Biological Research II	2	0	3	0	2	Thesis 1	
	Free Elec 1	BioEntrepreneurship	3	0	4.5	0	3		
			9	4	18	18	16		
Second Trimester									
	Zoo 104	Comparative Vertebrate Anatomy	3	2	4.5	9	5	Zoo 101	
	Zoo 105	General Pathology	3	2	4.5	9	5	Bio 105, Zoo 103	
	Thesis 3	Biological Research III	2	0	3	0	2	Thesis 2	
	Free Elec 2	Principles of Management	3	0	4.5	0	3		
			8	4	16.5	18	15		
Third Trimester									
	Bio 112	Practicum – OJT (200 hrs)	3	0	200	0	3		
			3	0	200	0	3		

Curriculum Summary		
Components	Minimum Requirement of Units	Actual Number of Units
General Education Courses	27	27
GEC Electives	9	9
Free Electives	6	6
Biology Tool Courses	18	21
Core Courses	50	51
Field of Specialization	25	25
Thesis	6	6
Practicum	3	3
Tertiary Physical Education	8	8
NSTP	6	6
Institutional Courses		12
Total	158	174



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Curriculum Summary

Components	Course Code	Course Title	Units	Total Units
General Education Courses				27
	UTS	Understanding the Self	3	
	Hist 11	Readings in Philippine History	3	
	ConWorld	The Contemporary World	3	
	Hum 11	Arts Appreciation	3	
	MMW	Mathematics in the Contemporary World	3	
	Ethics	Ethics	3	
	PurCom	Purposive Communication	3	
	STS	Science, Technology & Society	3	
	Rizal	Life and Works of Rizal	3	
GEC Electives				9
	PICPS	Philippine Indigenous Communities and Peace Studies	3	
	GAS	Gender and Society	3	
	PPC	Philippine Popular Culture	3	
Free Electives				6
	Free Elec 1	BioEntrepreneurship	3	
	Free Elec 2	Principles of Management	3	
Biology Tool Courses				21
Chemical Biology	Chem 100	Inorganic Chemistry	3	
	Chem 101	Organic Molecules	3	
	Chem 102	Biomolecules	5	
	Chem 103	Analytical Chemistry	3	
Biophysics	BioPhysics	Physics for Biology	4	
Biostatistics	BioStat	Statistical Biology	3	
Core Courses				51
	Bio 101	General Zoology	5	
	Bio 102	General Botany	5	
	Bio 103	Systematics	5	
	Bio 104	General Ecology	5	
	Bio 105	Microbiology and Parasitology	5	
	Bio 106	Genetics	5	
	Bio 107	Evolutionary Biology	5	
	Bio 108	Cell and Molecular Biology	5	
	Bio 109	General Physiology	5	
	Bio 110	Developmental Biology	5	
	Bio 111	Bioseminar	1	
Field of Specialization				25
	Zoo 101	Human Anatomy and Physiology	5	
	Zoo 102	Invertebrate Biology	5	
	Zoo 103	Animal Physiology	5	
	Zoo 104	Comparative Vertebrate Anatomy	5	
	Zoo 105	General Pathology	5	
Thesis				6
	Thesis 1	Biological Research I	2	



	Thesis 2	Biological Research II	2	
	Thesis 3	Biological Research III	2	
Practicum				3
	Bio 112	Practicum (OJT)	3	
Tertiary Physical Education				8
	PathFit 1	Movement Competency	2	
	PathFit 2	Fitness Training	2	
	PathFit 3	Dance/Sports/Group Exercises 1	2	
	PathFit 4	Dance/Sports/Group Exercises 2	2	
NSTP				6
	NSTP 1	ROTC/CWTS/LES	3	
	NSTP 2	ROTC/CWTS/LES	3	
Institutional Courses				12
	NCE	NMSCST's Culture of Excellence	3	
	Research 101	Introduction to Research	3	
	JEEP 1	Job Enabling English Proficiency - Start	3	
	JEEP 2	Job Enabling English Proficiency - Accelerate	3	
			Total	174