



BACHELOR OF SCIENCE IN BIOLOGY
(Track: Environmental Biology)
 Effective A.Y. 2018 - 2019
 CMO. No. 49, s. 2017

1 st Semester		FIRST YEAR		2 nd Semester	
		UNITS		UNITS	
		LEC	LAB	LEC	LAB
___ GE 1	Understanding the Self	3		___ GE 3	Purposive Communication
___ GE 2	Readings in Philippine History	3		___ GE 4	Mathematics in the Modern World
___ BIO 1A	General Botany (Lecture)	3		___ BIO 3A	Systematics (Lecture)
___ BIO 1B	General Botany (Laboratory)		2	___ BIO 3B	Systematics (Laboratory)
___ BIO 2A	General Zoology (Lecture)	3		___ CHEM 1	Organic Chemistry
___ BIO 2B	General Zoology (Laboratory)		2	___ MATH 1	Statistical Biology
___ Gen Elect 1	Logic	3		___ PE 2	Physical Education II
___ PE 1	Physical Education I	2		___ NSTP 2	National Service Training Program 2
___ NSTP 1	National Service Training Program 1	3			
	TOTAL		24	TOTAL	22

1 st Semester		SECOND YEAR		2 nd Semester	
		UNITS		UNITS	
		LEC	LAB	LEC	LAB
___ GE 5	Science, Technology and Society	3		___ GE Elect 2	Wikang Filipino
___ GE 6	Bioethics	3		___ BIO 6A	Plant and Animal Physiology (Lecture)
___ BIO 4A	Microbiology (Lecture)	3		___ BIO 6B	Plant and Animal Physiology (Laboratory)
___ BIO 4B	Microbiology (Laboratory)		2	___ BIO 7A	Genetics (Lecture)
___ BIO 5A	General Ecology (Lecture)	3		___ BIO 7B	Genetics (Laboratory)
___ BIO 5B	General Ecology (Laboratory)		2	___ CHEM 3A	Biochemistry (Lecture)
___ CHEM 2	Analytical Chemistry	3		___ CHEM 3B	Biochemistry (Laboratory)
___ PE 3	Physical Education III	2		___ PE 4	Physical Education IV
	TOTAL		21	TOTAL	20

1 st Semester		THIRD YEAR		2 nd Semester	
		UNITS		UNITS	
		LEC	LAB	LEC	LAB
___ GE Elect 3	Panitikan ng Pilipinas	3		___ GE 8	Contemporary World
___ GE 7	Art Appreciation	3		___ BIO 10A	Evolutionary Biology (Lecture)
___ BIO 8A	Cell and Molecular Biology (Lecture)	3		___ BIO 10B	Evolutionary Biology (Laboratory)
___ BIO 8B	Cell and Molecular Biology (Laboratory)		2	___ PHYS 1A	Biophysics (Lecture)
___ BIO 9A	Developmental Biology (Plant and Animal) (Lecture)	3		___ PHYS 1B	Biophysics (Laboratory)
___ BIO 9B	Developmental Biology (Plant and Animal) (Laboratory)		2	___ ENVBIO 1A	Plant and Animal Taxonomy (Lecture)
___ BIO Elect 1	Free Elective 1	3		___ ENVBIO 1B	Plant and Animal Taxonomy (Laboratory)
	TOTAL		19	___ BIORES 1	Thesis 1
					TOTAL
					19

THIRD YEAR, SUMMER

UNITS

LEC LAB

3

TOTAL

3

1 st Semester		FOURTH YEAR		2 nd Semester	
		UNITS		UNITS	
		LEC	LAB	LEC	LAB
___ ENVBIO 2A	Terrestrial Ecology (Lecture)	3		___ ENVBIO 4A	System Ecology (Lecture)
___ ENVBIO 2B	Terrestrial Ecology (Laboratory)		2	___ ENVBIO 4B	System Ecology (Laboratory)
___ ENVBIO 3A	Aquatic Ecology (Lecture)	3		___ ENVBIO 5A	Biological Resource Management (Lecture)
___ ENVBIO 3B	Aquatic Ecology (Laboratory)		2	___ ENVBIO 5B	Biological Resource Management (Laboratory)
___ BIORES 2	Thesis 2	2		___ BIORES 3	Thesis 3
___ BIO Elect 2	Free Elective 2	3		___ Rizal	Rizal
	TOTAL		15	TOTAL	15

SUMMARY			
General Education Courses:			
a. Core Courses	24 units	Free Electives ++	6 units
b. GE Elective Courses	9 units	Undergraduate Thesis *	6 units
c. Life and Works of Rizal	3 units	Practicum +	3 units
Biology Tools Courses +++	18 units	PE	8 units
Fundamental Courses +++	50 units	NSTP	6 units
Specialization Courses +++	25 units		
		TOTAL UNITS:	158 units
		CMO. No. 49, s.2017	
Legend:			
*	Students are required to complete the 6-unit thesis writing instead of 3-unit requirement as per CMO No. 49, Series of 2017.		
+	Practicum takes place of the 3-unit requirement of Qualified Elective. Only students in 4 th year standing shall be allowed to take the Practicum.		
++	Any academic course in any discipline freely chosen by the student.		
+++	One unit laboratory is equivalent to 3 laboratory contact hours per week.		

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