

BACHELOR OF SCIENCE IN BIOLOGY						
EFFECTIVE ACADEMIC YEAR 2018-2019						
(Updated Program of Study as of Academic Year 2020-2021)						
COURSE CODE	COURSE TITLE	HOURS		UNITS	PRE-REQUISITE	
		LEC	LAB			
FIRST YEAR						
FIRST SEMESTER		12	12	21		
NATSCI131	General Botany, lec	3	0	3		
NATSCI181	General Botany, lab	0	6	2		
NATSCI133	General Zoology, lec	3	0	3		
NATSCI103	General Zoology, lab	0	6	2		
SOCSCI032	The Contemporary World	3	0	3		
PSYCH031	Understanding the Self	3	0	3		
PE103	Movement Enhancement			2		
NSTP111	National Service Training Program 1			3		
SECOND SEMESTER		14	9	22		
BIO132	Systematics, lec	3	0	3	NATSCI131/181, NATSCI133/103	
BIO182	Systematics, lab	0	6	2	NATSCI131/181, NATSCI133/103	
BIO134	Chemical Biology I (Organic Molecules), lec	2	0	2		
BIO184	Chemical Biology I (Organic Molecules), lab	0	3	1		
MATH031	Mathematics in the Modern World	3	0	3		
ENGL031	Purposive Communication	3	0	3		
HUM031	Art Appreciation	3	0	3		
PE104	Fitness Exercises			2	PE103	
NSTP112	National Service Training Program 2			3	NSTP111	
SECOND YEAR						
FIRST SEMESTER		17	15	24		
BIO231	Microbiology, lec	3	0	3	NATSCI131/181, NATSCI133/103	
BIO281	Microbiology, lab	0	6	2	NATSCI131/181, NATSCI133/103	
BIO233	General Ecology, lec	3	0	3	NATSCI131/181, NATSCI133/103	
BIO283	General Ecology, lab	0	6	2	NATSCI131/181, NATSCI133/103	
BIO235	Chemical Biology II (Analytical Methods for Biology), lec	2	0	2	BIO134/184	
BIO285	Chemical Biology II (Analytical Methods for Biology), lab	0	3	1	BIO134/184	
STS031	Science, Technology and Society	3	0	3		
GE-BIO1	General Education Elective 1	3	0	3		
PHILO031	Ethics	3	0	3		
PE205	Physical Activities Towards Health and Fitness I			2	PE103	
SECOND SEMESTER		15	18	23		
BIO232	Genetics, lec	3	0	3	NATSCI131/181, NATSCI133/103	
BIO282	Genetics, lab	0	6	2	NATSCI131/181, NATSCI133/103	
BIO234	Evolutionary Biology, lec	3	0	3	NATSCI131/181, NATSCI133/103	
BIO284	Evolutionary Biology, lab	0	6	2	NATSCI131/181, NATSCI133/103	
BIO236	Chemical Biology III (Biomolecules), lec	3	0	3	BIO235/285	
BIO286	Chemical Biology III (Biomolecules), lab	0	6	2	BIO235/285	
ENGL014	Technical Writing/ Communication	3	0	3	ENGL031	
GE-BIO2	General Education Elective 2	3	0	3		
PE206	Physical Activities Towards Health and Fitness II			2	PE103	

THIRD YEAR					
FIRST SEMESTER		14	15	19	
BIO331	Cell and Molecular Biology, lec	3	0	3	BIO232/282, BIO236/286
BIO381	Cell and Molecular Biology, lab	0	6	2	BIO232/282, BIO236/286
BIO333	General Physiology, lec	3	0	3	NATSCI131/181, NATSCI133/103, BIO236/286
BIO383	General Physiology, lab	0	6	2	NATSCI131/181, NATSCI133/103, BIO236/286
BIOSTAT331	Statistical Biology, lec	2	0	2	
BIOSTAT381	Statistical Biology, lab	0	3	1	
ES036B	Environmental Science	3	0	3	
RIZAL031	The Life and Works of Rizal	3	0	3	
SECOND SEMESTER		14	18	20	
BIO332	Biophysics, lec	2	0	2	
BIO382	Biophysics, lab	0	6	2	
BIO334	Developmental Biology, lec	3	0	3	NATSCI131/181, NATSCI133/103
BIO384	Developmental Biology, lab	0	6	2	NATSCI131/181, NATSCI133/103
BIO336	Microbial Ecology, lec	3	0	3	BIO231/281, BIO233/283
BIO386	Microbial Ecology, lab	0	6	2	BIO231/281, BIO233/283
THESIS338	Research 1	3	0	3	ENGL014, ENGL031
SOCSCI031	Readings in Philippine History	3	0	3	
SUMMER TERM		0	0	6	
BIO370	Practicum	6	0	6	THESIS338
FOURTH YEAR					
FIRST SEMESTER		12	12	16	
BIO431	Industrial Microbiology II, lec	3	0	3	BIO231/281, BIO336/386
BIO481	Industrial Microbiology II, lab	0	6	2	BIO231/281, BIO336/386
BIO433	Pathology, lec	3	0	3	BIO231/281
BIO483	Pathology, lab	0	6	2	BIO231/281
BIO437	Biological Resource Management	3	0	3	BIO233/283
THESIS435	Research 2	3	0	3	THESIS338
SECOND SEMESTER		12	18	18	
BIO432	Food Microbiology, lec	3	0	3	BIO231/281
BIO482	Food Microbiology, lab	0	6	2	BIO231/281
BIO434	Epidemiology, lec	3	0	3	BIO231/281
BIO484	Epidemiology, lab	0	6	2	BIO231/281
BIO436	Industrial Biotechnolgy, lec	3	0	3	BIO431/481, BIO432/482
BIO486	Industrial Biotechnolgy, lab	0	6	2	BIO431/481, BIO432/482
GE-BIO3	General Education Elective 3	3	0	3	
GRAND TOTAL		110	117	169	
GENERAL EDUCATION ELECTIVES					
ENGL033	Conversational English with Public Speaking	3	0	3	
SSP033	Gender and Society	3	0	3	
ENTREP212	Entrepreneurial Mind	3	0	3	