

Lyceum of the Philippines University Manila  
College of Arts and Sciences

Bachelor of Science in Environmental Science and Sustainability  
Major in Climate Change Adaptation and Disaster Risk Management

FIRST YEAR - 1ST SEMESTER

Course Code	Description Title	Units Lec/Lab		Hours Lec/Lab		Credit	Pre-Requisite
PCCN01A	Purposive Communication	3	0	3	0	3	
STSN01A	Science, Technology and Society	3	0	3	0	3	
UTSN01A	Understanding the Self	3	0	3	0	3	
ETHN01A	Ethics	3	0	3	0	3	
IENN01A	Introduction to Environmental and Cultural Sustainability	3	0	3	0	3	
PHFN01A	Physical Activities Towards Health and Fitness 1	2	0	2	0	2	
FPSL11A	Fundamentals of Plant Science with Ethnomedicine	3	2	3	6	5	
LIFE01N	My LPU LIFE	3	0	3	0	(3)	

Units 22 (3)

FIRST YEAR - 2ND SEMESTER

Course Code	Description Title	Units Lec/Lab		Hours Lec/Lab		Credit	Pre-Requisite
MMWN01A	Mathematics in the Modern World	3	0	3	0	3	
ARTN01A	Art Appreciation	3	0	3	0	3	
RPHN01A	Readings in Philippine History	3	0	3	0	3	
ENAN01A	Environmental Anthropology	3	0	3	0	3	
PHFN02A	Physical Activities Towards Health and Fitness 2	2	0	2	0	2	PHFN01A
FASL12A	Fundamentals of Animal Science with Microbiology	3	2	3	6	5	
FPHL22A	Fundamentals of Physics	3	2	3	6	5	

Units 24

SECOND YEAR - 1ST SEMESTER

Course Code	Description Title	Units Lec/Lab		Hours Lec/Lab		Credit	Pre-Requisite
JPLN01A	The Life and Works of Dr. Jose P Laurel: Nationalist and Nation-BUILDER	3	0	3	0	3	
TCWN01A	The Contemporary World	3	0	3	0	3	
PHFN03A	Physical Activities Towards Health and Fitness 3	2	0	2	0	2	PHFN02A
CCMN01A	Climate Change: Meteorology and Climatology	3	0	3	0	3	FECL21A
FCHL21A	Fundamentals of Chemistry	3	2	3	6	5	
FECL21A	Fundamentals of Ecology	3	2	3	6	5	
NSTP01N	National Service Training Program 1 (CWTS)	3	0	3	0	(3)	

Units 21 (3)

SECOND YEAR - 2ND SEMESTER

Course Code	Description Title	Units Lec/Lab		Hours Lec/Lab		Credit	Pre-Requisite
HURN01A	Human Reproductive Health with Family Planning	3	0	3	0	3	
PGCN11A	Philippine Government with Constitution	3	0	3	0	3	
PHFN04A	Physical Activities Towards Health and Fitness 4	2	0	2	0	2	PHFN03A
SAGN01A	Sustainable Agriculture and Food Systems	3	0	3	0	3	FECL21A
FGEL22A	Fundamentals of Geology	3	2	3	6	5	
ANCL21A	Analytical Chemistry	3	2	3	6	5	FCHL21A
NSTP02N	National Service Training Program 2 (CWTS)	3	0	3	0	(3)	NSTP01N

Units 21 (3)

**THIRD YEAR - 1ST SEMESTER**

Course Code	Description Title	Units		Hours		Credit	Pre-Requisite
		Lec/Lab		Lec/Lab			
MCWC20A	Mathematics in the Corporate World	3	0	3	0	3	
CNRN01A	Community-based Natural Resource Management	3	0	3	0	3	FECL21A
CETN01A	Management of Clean Energy and Renewable Technologies	3	0	3	0	3	
ENCL22A	Environmental Chemistry and Toxicology	3	2	3	6	5	ANCL21A
SWAN01A	Sustainable Air and Water Systems	3	0	3	0	3	FECL21A
LGPN01A	Local and Global Perspective of Climate Change Adaptation and its Socio-economic Impact	3	0	3	0	3	
SNCN01A	Science of Natural Calamities and Man-made Disaster	3	0	3	0	3	

Units 23

**THIRD YEAR - 2ND SEMESTER**

Course Code	Description Title	Units		Hours		Credit	Pre-Requisite
		Lec/Lab		Lec/Lab			
SGPN01A	Sustainable Green Infrastructure Planning and Design	3	0	3	0	3	FECL21A
ENSL01A	Environmental Statistics and Computer-based Statistic Analysis	2	1	2	3	3	FECL21A
EBIN01A	Environmental Biotechnology and Sustainable Waste Management	3	0	3	0	3	FECL21A
ERMN01A	Ecological and Community Resilience Management	3	0	3	0	3	FECL21A
LDRN01A	Leadership in Disaster Risk Reduction Management	3	0	3	0	3	
ESPN01A	Environmental Security and Psychosocial Aspects of Disasters	3	0	3	0	3	
SOIN01A	Surveillance and Outbreak Investigation in Disaster	3	0	3	0	3	

Units 21

**THIRD YEAR - SUMMER**

Course Code	Description Title	Units		Hours		Credit	Pre-Requisite
		Lec/Lab		Lec/Lab			
EPRN01A	Practicum	0	3	0	240	3	All Major Courses

Units 3

**FOURTH YEAR - 1ST SEMESTER**

Course Code	Description Title	Units		Hours		Credit	Pre-Requisite
		Lec/Lab		Lec/Lab			
ENRN01A	Environmental and Cultural Research Proposal	3	0	3	0	3	ENSL01A
ESDN01A	Environmental Economics and Sustainable Development	3	0	3	0	3	FECL21A
EMEL01A	Environmental Monitoring and Evaluation	3	2	3	6	5	FECL21A
PFIN01A	Principles of Financial Accounting for Development Management	3	0	3	0	3	
REEN01A	Risk Evaluation and Environmental Impact Measurement	3	0	3	0	3	FECL21A
ENLN01A	Environmental Laws, Policies and Ethics with Environmental Regulations and Compliance for Industries	3	0	3	0	3	

Units 20

**FOURTH YEAR - 2ND SEMESTER**

Course Code	Description Title	Units		Hours		Credit	Pre-Requisite
		Lec/Lab		Lec/Lab			
ENRN02A	Environmental and Cultural Research Presentation	3	0	3	0	3	ENRP01A
ESGN01A	Sustainable Leadership and Innovation in Environmental, Social and Governance (ESG)	3	0	3	0	3	
AMAN01A	Actuarial Mathematics	3	0	3	0	3	
TNRN01A	The Life and Works of Rizal	3	0	3	0	3	
PLCN01A	Philippine Geography of Languages and Culture	3	0	3	0	3	
SPML01A	Environmental Sciences Spatial Modelling and Cultural Mapping	2	1	2	3	3	FGEL22A

Units 18

**Total Units 173 (9)**