



**University of Southeastern Philippines**  
College of Agriculture and Related Sciences

**BACHELOR OF SCIENCE IN AGRICULTURE**  
Major in Horticulture  
CMO No. 14, series of 2008

Approved per BOR Res. No. 58, Series of 2018  
Approved per BOR Referendum No. 10 s. 2020 confirmed per BOR Resolution No. 63 s. 2020  
Effective S.Y. 2018-2019

FIRST YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co-Requisite	Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
GE 113	Understanding the Self	3	0	3	None	GE 111	Purposive Communication	3	0	3	None
GE 114	Ethics	3	0	3	None	GE 112	Mathematics in the Modern World	3	0	3	None
Agri 111	Introduction to Agriculture	1	0	1	None	Soil Sci 122	Soil Fertility, Conservation and Management	2	1	3	Soil Sci 111
Ag Ext 111	Principles of Agricultural Extension and Communication	2	1	3	None	Ag Econ 121	Principles of Agricultural Economic and Marketing	2	1	3	None
Soil Sci 111	Principles of Soil Science	2	1	3	None	Ag Ext 122	Management of Extension Programs	2	1	3	Ag Ext 111
An Sci 111	Introduction to Animal Science	2	1	3	None	An Sci 122	Introduction to Livestock and Poultry Production	2	1	3	An Sci 111
Crop Prot 111	Principles of Crop Protection	2	1	3	None	Crop Sci 122	Practices of Crop Production	2	1	3	Crop Sci 111
Crop Sci 111	Principles of Crop Production	2	1	3	None	Crop Prot 122	Approaches and Practices in Pest Management	2	1	3	Crop Prot 111
PE 111	Movement Enhancement	2	0	2	None	PE 122	Fitness Exercise	2	0	2	None
NSTP 111	National Service Training Program 1	3	0	3	None	NSTP 122	National Service Training Program 2	3	0	3	None
<b>Total</b>				<b>27</b>		<b>Total</b>				<b>29</b>	

OFF - SEMESTER					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
Agri 200	Agriculture Skills Development	0	6	6	All 1 <sup>st</sup> Yr. Fundamental Agric. Subjects
<b>Total</b>				<b>6</b>	

SECOND YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co-Requisite	Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
GE 217	Science, Technology, and Society	3	0	3	None	GE 215	The Life and Works of Rizal	3	0	3	None
GE 218	Arts Appreciation	3	0	3	None	GE 216	Readings in Philippine History	3	0	3	None
Ag Eng 211	Fundamental of Agricultural Engineering	2	1	3	None	Agri 224	Principles of Plant Physiology	2	1	3	Chem 212
Agri 212	Introduction to Ecological Agriculture	2	1	3	None	Agri 225	Principles of Genetics	2	1	3	Chem 212
Soil Sci 213	Soil Survey, Classification and Land-Use	2	1	3	None	Agri 226	Fundamentals of Food Science and Technology	2	1	3	Chem 212
Agri 213	Basic Project Study and Development	3	0	3	None	Agri 227	General Biotechnology and Society	2	1	3	Chem 212
Entrep 211	Introduction to Enterprise and Entrepreneurship	2	1	3	Ag Econ 121	Ag Eng 222	Introduction to Basic Farm Structure and Facilities	2	1	3	Ag Eng 211
Entrep 212	Financial Management for Agri-based Enterprise	2	1	3	None	Entrep 223	Intro. to Agricultural Commodity System	2	1	3	Ag Econ 212
PE 213	Physical Activities Towards Health & Fitness I	2	0	2	None	PE 224	Physical Activities Towards Health & Fitness II	2	0	2	None
<b>Total</b>				<b>26</b>		<b>Total</b>				<b>26</b>	

THIRD YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co-Requisite	Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
EGE 311	General Education Elective 1	3	0	3	None	EGE 313	General Education Elective 3	3	0	3	None
EGE 312	General Education Elective 2	3	0	3	None	GE 319	Contemporary World	3	0	3	None
Entrep 314	Intro. to Agricultural Policy and Development	2	1	3	Ag Econ 223	Agri 3210	Methods of Agricultural Research	2	1	3	Finished all previous subjects
Agri 318	General Physiology and Toxicology	2	1	3	Crop Prot 122	Agri 3211	Undergraduate Seminar	1	0	1	Finished all previous subjects
Agri 319	Slaughter of Animals and Animal Product Processing	2	1	3	An Sci 122	Agri 400	Thesis/OIP*	0	2	2	Finished all previous subjects
Horti 311	Plant Growth and Development	2	1	3	Agri 224, Crop Sci 122	Horti 324	Fruit Production and Management	2	1	3	Crop Sci 122, Crop Prot 122, Soil Sci 212
Horti 312	Plant Propagation and Nursery Management	2	1	3	Crop Sci 122	Horti 325	Vegetable Production and Management	2	1	3	Crop Sci 122, Crop Prot 122, Soil Sci 212
Horti 313	Micropropagation Techniques	2	1	3	Agri 225, Crop Sci 122	Horti 326	Ornamental Production and Landscaping	2	1	3	Crop Sci 122, Crop Prot 122, Soil Sci 212
<b>Total</b>				<b>24</b>		<b>Total</b>				<b>21</b>	

FOURTH YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co-Requisite	Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
Ag Eng 413	Introduction to Water Management and Irrigation	2	1	3	Ag Eng 222, Soil Sci 212	Agri 400	Thesis/OIP*	0	2	2	Finished all Academic Courses
Agri 4112	Beneficial Arthropods and Microorganisms	2	1	3	Crop Prot 122	Agri 401	On-the-Job Training	0	6	6	Finished all Academic Courses
Agri 4113	Post-harvest Handling and Seed Technology	2	1	3	Crop Sci 122	<b>Total</b>				<b>8</b>	
Agri 4114	Colloquium	2	0	2	Finished all previous subjects						
Agri 400	Thesis/OIP*	0	2	2	Finished all previous subjects						
FL 411	Foreign Language	3	0	3	Finished all previous subjects						
Horti 417	Plantation Crop Production and Management	2	1	3	Crop Sci 122, Crop Prot 122, Soil Sci 212						
Horti 418	Farming Systems	2	1	3	Crop Sci 122, Crop Prot 122, Soil Sci 212						
<b>Total</b>				<b>22</b>							

Note: \*A subject to be enrolled continuously until the last prescribed semester where student's grade will appear



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MAJOR COURSES	
Horti 311	Plant Growth and Development
Horti 312	Plant Propagation and Development
Horti 313	Micropropagation Techniques
Horti 324	Fruit Production and Management
Horti 325	Vegetable Production and Management
Horti 326	Ornamental Production and Landscaping
Horti 417	Plantation Crop Production and Management
Horti 418	Farming Systems

General Education Electives (students will choose 3 of the following courses)	
People and the Earth's Ecosystem	3 units
Living in the IT Era	3 units
Gender and Society	3 units
Environmental Science	3 units
Philippine Indigenous Communities	3 units
Reading Visual Art	3 units

Summary	
General Education	36 units
Fundamental Agriculture/Core Courses	88 units
Institutional Courses	15 units
Major Courses	24 units
Thesis/Occupational Internship Program	6 units
OJT	6 units
PE	8 units
NSTP	6 units
<b>Total number of units</b>	<b>189 units</b>