



University of Southeastern Philippines
College of Arts and Sciences

BACHELOR OF SCIENCE IN STATISTICS

CMO No. 42, series of 2017

Approved per BOR Resolution 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
		Lec	Lab	Total Units Credit	
GE 113	Understanding the Self	3	0	3	None
GE 114	Ethics	3	0	3	None
MATH 111	Pre-calculus	6	0	6	None
MATH 112	Reasoning of Mathematics with Basic Combinatorial Analysis	3	0	3	None
STAT 111	Descriptive Statistics	3	0	3	None
PE 111	Movement Enhancement	2	0	2	None
NSTP 111	National Service Training Program 1	3	0	3	None
Total				23	

Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 111	Purposive Communication	3	0	3	None
GE 112	Mathematics in the Modern World	3	0	3	None
ELECT 1	Free Elective	3*	0	3	None [#]
MATH 122	Calculus 1	5	0	5	MATH 111
MATH 123	Set Theory/Logic	3	0	3	MATH 112
STAT 121	Statistical Methods	3	0	3	STAT 111
PE 122	Fitness Exercise	2	0	2	PE 111
NSTP 122	National Service Training Program 2	3	0	3	None
Total				25	

SECOND YEAR					
1st Semester			2nd Semester		
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 215	Life and Works of Rizal	3	0	3	None
GE 216	Readings in Philippine History	3	0	3	None
ELECT 2	Free Elective	3*	0	3	None [#]
MATH 211	Calculus 2	5	0	5	MATH 122
MATH 213	Linear Algebra and Matrix Theory	3	0	3	MATH 112
STAT 211	Mathematical Statistics 1	3	0	3	MATH 122, MATH 123
CS 3	Basic Programming Language	2	1	3	None
PE 213	Physical Activities Towards Health and Fitness 1	2	0	2	PE 122
Total				25	

Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 217	Science, Technology and Society	3	0	3	None
GE 218	Art Appreciation	3	0	3	None
ELECT 3	Free Elective	3*	0	3	None [#]
MATH 221	Calculus 3	5	0	5	MATH 211
STAT 221	Mathematical Statistics 2	3	0	3	STAT 211, MATH 211
CS 4	Statistical Software	2	1	3	STAT 121
ELECT 4	Stat/Math/Computing Elective	3*	0	3	None [#]
PE 224	Physical Activities Towards Health and Fitness 2	2	0	2	PE 213
Total				25	

THIRD YEAR					
1st Semester			2nd Semester		
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
EGE 311	General Education Elective 1	3	0	3	None
GE 319	Contemporary World	3	0	3	None
STAT 311	Mathematical Statistics 3	3	0	3	STAT 221, MATH 221
STAT 312	Statistical Computing	2	1	3	STAT 121, CS 3
ELECT 5	Stat/Math/Computing Elective	3*	0	3	None [#]
STAT 313	Research Methods in Statistics	3	0	3	STAT 121
Total				18	

Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
EGE 312	General Education Elective 2	3	0	3	None
EGE 313	General Education Elective 3	3	0	3	None
STAT 321	Bayesian Statistics	2	1	3	STAT 311
STAT 322	Regression Analysis	2	1	3	STAT 311, MATH 213
STAT 323	Nonparametric Statistics	2	1	3	STAT 311
STAT 324	Survey Sampling	3	0	3	STAT 311
Total				18	

SUMMER					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
STAT 331	On the Job Training	0	3	3	All prior Stat courses
Total				3	

FOURTH YEAR					
1st Semester			2nd Semester		
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
ELECT 6	Stat/Math/Computing Elective	3*	0	3	None [#]
STAT 411	Experimental Designs	2	1	3	STAT 322
STAT 412	Time Series Analysis	2	1	3	STAT 322
STAT 413	Multivariate Analysis	2	1	3	STAT 322
STAT RES 400	Thesis*	0	3	3	All prior Stat courses
Total				15	

Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
ELECT 7	Stat/Math/Computing Elective	3*	0	3	None [#]
STAT 421	Categorical Data Analysis	2	1	3	STAT 322
STAT 422	Statistical Communication and Consulting	3	0	3	All 3rd year Stat courses
STAT 423	Survey Operations	2	1	3	STAT 324
STAT RES 400	Thesis	0	3	3	
Total				15	

Note: * A subject to be enrolled continuously until the last prescribed semester where student's grade will appear
+ Type of credit may vary depending on the offered subjects/courses
Pre-requisite may vary depending on the offered subjects/courses

Summary	
General Education	36
Free Electives	9
Core Math/Computing Courses	36
Core Statistics Courses	51
Stat/Math/Computing Electives	12
PE	8
NSTP	6
Thesis and OJT	9
Total number of units	167 units

Stat Electives 1. Biostatistics (2Lec,1Lab) 2. Survival Analysis (2Lec,1Lab) 3. Logistic Regression (2Lec,1Lab) 4. Statistical Quality Control (2Lec,1Lab) 5. Six Sigma Statistics (2Lec,1Lab) 6. Exploratory Data Analysis (2Lec,1Lab)	Stat Electives 7. Econometrics (2Lec,1Lab) 8. Market Research 9. Impact Assessment 10. Risk & Modelling Assessment 11. Computational Statistics (2Lec,1Lab) 12. Other Relevant Courses	Math/Computing Electives 1. Data Science (2Lec,1Lab) 2. Database Structure (2Lec,1Lab) 3. Algorithms 4. Real Analysis 5. Differential Equations 6. Numerical Analysis	Math/Computing Electives 7. Life Insurance 8. Theory of Computing 9. Other Relevant Courses	General Education Electives 1. People and the Earth's Ecosystem 2. Environmental Science 3. Gender and Society 4. Phil Indigenous Communities 5. Reading Visual Art 6. Foreign Language 7. Living in the IT Era
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