



University of Southeastern Philippines
College of Education

BACHELOR OF SECONDARY EDUCATION MAJOR IN MATHEMATICS

CMO No.75, series of 2017

Approved per BOR Resolution No. 58, series of 2018

Revised per BOR Resolution No. 51A, series of 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
Educ 111	The Child and Adolescent Learners and Learning Principles	3	0	3	NONE	Educ 123	Technology for Teaching and Learning 1	3	0	3	EDUC 111 EDUC 112
Educ 112	Foundation of Special and Inclusive Education	3	0	3	NONE	Educ 124	The Teacher and Community, School Culture and Organizational Leadership	3	0	3	EDUC 111
M111	History of Mathematics	3	0	3	NONE	M123	Trigonometry	3	0	3	M112
M112	College and Advanced Algebra	3	0	3	NONE	M124	Plane and Solid Geometry	2	1	3	M112
PE 111	Movement Enhancement	2	0	2	NONE	PE 122	Fitness Exercise	2	0	2	PE 111
NSTP 111	National Service Training Program 1	3	0	3	NONE	NSTP 122	National Service Training Program 2	3	0	3	NSTP 111
TOTAL				23		TOTAL				23	

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	GE215	The Life and Works of Rizal	3	0	3	NONE
GE 218	Arts Appreciation	3	0	3	NONE	GE216	Readings in Philippine History	3	0	3	NONE
Educ 215	The Teaching Profession	3	0	3	Educ 124	Educ 227	Facilitating Learner-Centered Teaching	3	0	3	Educ 111
Educ 216A	Assessment In Learning 1	3	0	3	NONE	Educ 216B	Assessment in Learning 2	3	0	3	Educ216A
M215	Calculus 1 with Analytic Geometry	4	0	4	M123 M124	M228	Calculus 2	4	0	4	M215
M216	Logic and Set Theory	3	0	3	NONE	M229	Modern Geometry	3	0	3	M124 M216
M217	Elementary Statistics and Probability	2	1	3	NONE	M2210	Advanced Statistics	2	1	3	M217
PE 213	Physical Activities Towards Health and Fitness 1	2	0	2	PE 122	PE 224	Physical Activities Towards Health & Fitness 2	2	0	2	PE 213
TOTAL				24		TOTAL				24	

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
Educ 318	The Teacher and the School Curriculum	3	0	3	Educ 124	M3214	Principles and Strategies of Teaching Mathematics	3	0	3	Educ 227
Educ 319	Building and Enhancing New Literacies Across the Curriculum	3	0	3	NONE	M3215	Abstract Algebra	3	0	3	M216
M3111	Calculus 3	3	0	3	M228	M3215	Technology for Teaching and Learning 2 (Instrumentation and Technology in Mathematics)	2	1	3	Educ 123
M3112	Problem Solving, Mathematical Investigation and Modeling	3	0	3	M112 M216 M229	M3217	Assessment and Evaluation in Mathematics	3	0	3	Educ 216B
M3113	Research in Mathematics	4	0	4	M2210	M3218	Pedagogical Inquiry in Mathematics	0	3	3	NONE
TOTAL				22		EdRes400	Thesis	0	2	2	M3113
TOTAL				22		Total				23	

SUMMER					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
M3319	Linear Algebra	3	0	3	M216
M3320	Number Theory	3	0	3	M216
M3321	Mathematics of Investment	3	0	3	M112
TOTAL				9	

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	
FS411	Field Study 1 -Observations of Teaching-Learning in Actual School Environment	0	5	5	All subjects from 1st Yr. to 3 rd Yr.	Educ421	Teaching Internship	0	6	6	FS411, FS412
FS412	Field Study 2 - Participation and Teaching Assistantship	0	5	5		EdRes400	Thesis	0	2	2	M3113
EdRes 400	Thesis	0	2	2		TOTAL				8	
TOTAL				12		TOTAL				8	



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Elective Course

M3218 Pedagogical Inquiry in Mathematics

General Education Electives

Environmental Science
Gender and Society
People and the Earth's Ecosystems
Philippine Indigenous Communities
Reading Visual Art
Living in the IT era
Foreign Languages

Summary of Units

General Education Courses	27
General Education Electives	9
Professional Education Courses	46
Major Courses	63
Elective Course	3
Mandated Courses (PE, NSTP)	14
Institutional Courses	6
Total Number of Units	168