



Central Philippine University
College of Arts & Sciences

Bachelor of Science (Major in Mathematics)
Based on CHED Memo No. 48 s. 2017
Effective: AY 2018 – 2019

COURSE OFFERING

FIRST YEAR						
First Semester						
Grade	Course No.	Course Description	Lec hrs/wk	Lab hrs/wk	Credit Units	Pre-requisites/ (Co – requisites)
	GEMath 1	Mathematics in the Modern World	3	0	3.0	
	GESocSci 1	Understanding the Self	3	0	3.0	
	Math 1101	College and Advanced Algebra	3	0	3.0	
	Fil 12	Sayko – Sosyolinggwistik na Pag – aaral ng Wikang Filipino	3	0	3.0	
	GESocSci 2	Readings in Philippine History	3	0	3.0	
	SEAL 1	Student Enhancement Activities for Life I	1	0	1.0	
	RE 1	Christianity in a Changing Society	3	0	3.0	
	PE 1a (W)	Physical Fitness & Wellness	(2)	0	(2.0)	
	PE 2B (M)	Individual/Dual Sports (Swimming)	(2)	0	(2.0)	
	NSTP I (CWTS) (LTS) (ROTC)	Civic Welfare Training Service Literacy Training Services Reserve Officers' Training Corps	(3)	0	(3.0)	
TOTAL ACADEMIC UNITS					24.0	
Second Semester						
	Math 1201	Trigonometry	3	0	3.0	GEMath 1, Math 1101
	Math 1206	Fundamental Concepts of Mathematics	3	0	3.0	GEMath 1
	CESocSci4	The Entrepreneurial Mind	3	0	3.0	
	GESocSci 5	Ethics	3	0	3.0	
	Math 1207	College Geometry	3	0	3.0	GEMath 1
	SEAL 2	Student Enhancement Activities for Life II	1	0	1.0	
	RE 2	Christian Ethics in a Changing World	3	0	3.0	
	PE 2B (W)	Individual/Dual Sports (Swimming)	(2)	0	(2.0)	
	PE 1a (M)	Physical Fitness & Wellness	(2)	0	(2.0)	
	NSTP 2 (CWTS) (LTS) (ROTC)	Civic Welfare Training Service Literacy Training Services Reserve Officers' Training Corps	(3)	0	(3.0)	
TOTAL ACADEMIC UNITS					24.0	
SECOND YEAR						
First Semester						
Grade	Course No.	Course Description	Lec hrs/wk	Lab hrs/wk	Credit Units	Pre-requisites/ (Co – requisites)
	Math 2101	Mathematical Analysis I	4	0	4.0	Math 1201
	Fil 13	Pagsusuri at Pagpapahalaga ng mga Kontemporaryong Panitikan	3	0	3.0	
	Phys 3	General College Physics I	3	6	5.0	Math 1101, Math 1201
	Math 2105	Set Theory and Applications	3	0	3.0	GEMath1
	Math 2102	History and Development of Fundamental Ideas in Mathematics	3	0	3.0	GEMath1
	PE 3a	Rhythmic Activities	(2)	0	(2.0)	
TOTAL ACADEMIC UNITS					6	20.0

Second Semester						
	Math 2201	Mathematical Analysis II	4	0	4.0	Math 2101
	Math 2216	Elementary Number Theory	3	0	3.0	Math 1206
	Math 2207	Fundamentals of Computing	3	0	3.0	GEMath1
	Phys 7	General College Physics II	3	6	5.0	Phys 3
	GEHum 1	Art Appreciation	3	0	3.0	
	PE 4A (W)	Team Sports (Basketball/Volleyball)	(2)		(2.0)	
	PE 4A (M)	Team Sports (Basketball/Volleyball)	(2)		(2.0)	
		TOTAL ACADEMIC UNITS		6	20.0	
THIRD YEAR						
First Semester						
Grade	Course No.	Course Description	Lec hrs/wk	Lab hrs/wk	Credit Units	Pre-requisites/ (Co – requisites)
	Math 3101	Mathematical Analysis III	4	0	4.0	Math 2201
	Math 3103	Linear Algebra	3	0	3.0	Math 1206
	Math 3106	Differential Equations	3	0	3.0	Math 2201
	GESocSci 6	Science, Technology and Society	3	0	3.0	
	Math 3102	Statistical Theory	3	0	3.0	Math 1206
	GEEng 1	Purposive Communication	3	0	3.0	
		TOTAL ACADEMIC UNITS			19.0	
Second Semester						
	Math 3204	Modern Geometry	3	0	3.0	Math 1207
	GE SocSci 4	The Contemporary World	3	0	3.0	
	Math 3206	Problem Solving, Mathematical Investigation and Modelling	3	0	3.0	Math 1206
	Math 3203	Advanced Statistics and Probability	3	0	3.0	Math 1206
	Math 3201	Advanced Calculus	3	0	3.0	Math 3101
	Math 3202	Abstract Algebra	3	0	3.0	Math 1206
		TOTAL ACADEMIC UNITS			18.0	
FOURTH YEAR						
First Semester						
Grade	Course No.	Course Description	Lec hrs/wk	Lab hrs/wk	Credit Units	Pre-requisites/ (Co – requisites)
	Math 4101	Complex Analysis	3	0	3.0	Math 2101
	Math 4102	Graph Theory and Applications	3	0	3.0	Math 1206
	Math 4104	Research in Mathematics	3	0	3.0	
	Eng 4	Technical English	3	0	3.0	
	Math 4103	Topology	3	0	3.0	Math 3101
	GenElect1	General Elective I	3	0	3.0	
		TOTAL ACADEMIC UNITS			18.0	
Second Semester						
	CETech1	Living in the IT Era	3	0	3.0	
	Phys 16	Modern Physics	3	0	3.0	Phys 3, Phys 7
	CESci1	Environmental Science	3	0	3.0	
	GESocSci 3	Life and Works of Rizal	3	0	3.0	
	Math 4204	Special Problem/Thesis	3	0	3.0	
	GenElect2	General Elective II	3	0	3.0	
		TOTAL ACADEMIC UNITS	18		18.0	

PREPARED BY:

LUIS G. VALDEZ, JR., M.A.
Chairperson, Math & Physics Department

ENDORSED BY:

JESSICA B. CANAMAN, M.A. Ed.
Chairperson, College Curriculum Committee

RECOMMENDING APPROVAL:

STELLA G. FERNANDEZ, Ph.D.
Dean, College of Arts & Sciences

ANANIAS C. SABIJON JR., Ph.D.
Director, Center for Teaching and Learning Excellence
Chairperson, University Curriculum Committee

CHARISSA JUNE G. DEOCAMPO
Registrar

IRVING DOMINGO L. RIO, D. M.
Vice President for Academic Affairs

APPROVED BY:

TEODORO C. ROBLES, Ph. D.
President

Date: _____