



UNIVERSIDAD POLITÉCNICA DE PUERTO RICO
GRADUATE PROGRAM IN SCIENCES OF EDUCATION
IN NATURAL SCIENCES AND MATHEMATICS
2018 - 2020



COURSE	COURSE TITLE	2018-2019			2019-2020		
		FA	WI	SP	FA	WI	SP
EDUCATION COURSES							
EDUC 5000	Problem based Education (PBE)	X					X
EDUC 5010	Curriculum Design and Evaluation		X				
EDUC 5020	Research Methods		X				X
EDUC 6020	Assessment and Improvement of Instruction	X			X		
EDUC 6030	Differentiating Instruction			X			
EDUC 6100	Action Research for Teachers			X	X	X	X
MATHEMATICS COURSES							
MATH 5100	Math Modeling	X					X
MATH 5200	Advanced Calculus					X	
MATH 5500	Advanced Math for Teachers		X	X			
MATH 6020	Rational Numbers and Proportional Reasoning			X			
MATH 6030	Measurement, Data and Geometric Thinking					X	
MATH 6040	Algebraic Reasoning, Functions and Equations				X		
MATH 6110	Discrete Mathematics					X	
MATH 6120	Probability and Statistics for Teachers			X			
MATH 6130	Probability Models for Teachers						
MATH 6150	Introductory Topology						
MATH 6160	Applied Modern Algebra						X
MATH 6180	Modern Geometry for Teachers				X		
SCIENCES COURSES							
SCIE 5010	Fundamental of Environmental Education	X		X			X
SCIE 5020	Software Applications and Technology			X		X	
SCIE 6010	Investigating the Living World		X		X		
SCIE 6020	Exploring the Physical World			X			X
SCIE 6030	Exploring the Earth and Beyond			X			
SCIE 6040	Chemistry for Teachers		X		X		