



MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE OURO PRETO
PRÓ-REITORIA DE GRADUAÇÃO



COURSE OF MATHEMATICS - 2020/1 (curriculum 3)
OURO PRETO'S CAMPUS

CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL	CWL	CLASSES		SEM
					T	P	
EDU253	SOCIOLOGICAL STUDIES ON EDUCATION		60	72	4	0	1
MTM131	ANALYTICAL GEOMETRY AND VECTOR CALCULUS		60	72	4	0	1
MTM256	ELEMENTARY ALGEBRA		60	72	4	0	1
MTM257	ELEMENTARY PLANE GEOMETRY		60	72	4	0	1
MTM259	CALCULUS ELEMENTS		60	72	4	0	1
EMA245	FUNDAMENTALS OF MATHEMATICS EDUCATION		30	36	2	0	2
EMA485	ELEMENTARY EDUCATION TEACHING PRACTICE I		60	72	0	4	2
MIF001			30	36	1	1	2
MTM112	INTRODUCTION TO LINEAR ALGEBRA		60	72	4	0	2
MTM122	DIFFERENTIAL AND INTEGRAL CALCULUS I		90	108	6	0	2
MTM246	INTRODUCTION TO SETS THEORY AND LOGIC		60	72	4	0	2
EDU252	HISTORICAL STUDIES ON EDUCATION		60	72	4	0	3
EMA486	ELEMENTARY EDUCATION TEACHING PRACTICE II		60	72	0	4	3
FIS130	PHYSICS I	MTM122	60	72	3	1	3
LET966	INTRODUCTION TO BRAZILIAN SIGN LANGUAGE (LIBRAS)		60	72	2	2	3
MTM123	DIFFERENTIAL AND INTEGRAL CALCULUS II	MTM122	60	72	4	0	3
MTM135	EUCLIDIAN GEOMETRY		60	72	4	0	3
BCC701	COMPUTER PROGRAMMING I		60	72	2	2	4
EDU256	EDUCATIONAL PSYCHOLOGY		60	72	4	0	4
EMA488	HIGH SCHOOL TEACHING PRACTICE I		60	72	0	4	4
MIF002			30	36	1	1	4
MTM124	DIFFERENTIAL AND INTEGRAL CALCULUS III	MTM123	60	72	4	0	4
MTM125	INTRODUCTION TO ORDINARY DIFFERENTIAL EQUATIONS	MTM123	60	72	4	0	4
EDU254	POLICY AND EDUCATIONAL REGULATION		60	72	4	0	5
EMA201	SUPERVISED INTERNSHIP AND PRACTICE IN ELEMENTARY SCHOOL I	EMA485 EMA486	120	144	2	6	5
EMA489	HIGH SCHOOL TEACHING PRACTICE II		60	72	0	4	5
EST202	STATISTICS AND PROBABILITY	MTM122	60	72	4	0	5
MTM249	FUNDAMENTALS OF ALGEBRA		90	108	6	0	5
BCC760	NUMERICAL CALCULUS	BCC701	60	72	2	2	6
EMA202	SUPERVISED INTERNSHIP AND PRACTICE IN ELEMENTARY SCHOOL II	EMA485 EMA486	120	144	2	6	6
MIF003			30	36	1	1	6
MTM261	HISTORY OF MATHEMATICS		60	72	4	0	6
MTM286	ANALYSIS I	MTM123	90	108	6	0	6
MTM390	MONOGRAPH I	1200 hours	60	72	4	0	6
EMA203	SUPERVISED INTERNSHIP AND PRACTICE IN HIGH SCHOOL I	EMA488 EMA489	120	144	2	6	7
MTM224	FUNCTIONS OF A COMPLEX VARIABLE	MTM124	60	72	4	0	7
MTM253	PROGRESSIONS AND FINANCIAL MATHEMATICS		60	72	4	0	7
MTM255	COMBINATORICS		60	72	4	0	7
MTM391		MTM390	60	72	4	0	7
EMA204	SUPERVISED INTERNSHIP AND PRACTICE IN HIGH SCHOOL II	EMA488 EMA489	120	144	2	6	8
MTM248	SPATIAL GEOMETRY	MTM135	60	72	4	0	8
MTM260	TECHNOLOGIES IN TEACHING MATHEMATICS		60	72	4	0	8

CODE	ELECTIVE DISCIPLINES	PREREQUISITE	SWL	CWL	CLASSES		SEM
					T	P	
EDU534	ETHNIC-RACIAL RELATIONSHIP AND EDUCATION		30	36	2	0	
EMA018	SPECIAL TOPICS OF MATHEMATICS EDUCATION I		60	72	4	0	
EMA019	SPECIAL TOPICS OF MATHEMATICS EDUCATION II		60	72	4	0	



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					T	P	
EMA174	RESEARCH METHODOLOGY IN MATHEMATICS EDUCATION		60	72	4	0	
EMA191	MATHEMATICS MODELING I	MTM122	60	72	4	0	
EMA217	MATHEMATICAL INVESTIGATIONS IN CLASSROOM		60	72	2	2	
EMA218	TRENDS IN HIGHER EDUCATION MATHEMATICS		60	72	4	0	
EMA221	EVALUATION AND MATHEMATICS EDUCATION		60	72	2	2	
EMA498	PRACTICE OF TEACHING PROJECTS		60	72	2	2	
FIS131	PHYSICS II	MTM123	60	72	3	1	
MTM108	NUMBER SYSTEMS		60	72	4	0	
MTM116	LINEAR ALGEBRA I	MTM112	60	72	4	0	
MTM136	INTRODUCTION TO DIFFERENTIAL GEOMETRY	MTM124	60	72	4	0	
MTM250	ALGEBRA I	MTM249	60	72	4	0	
MTM251	INTRODUCTION TO TOPOLOGY AND METRIC SPACES	MTM286	90	108	6	0	
MTM252	INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS	MTM125	90	108	6	0	
MTM275	FUNDAMENTALS OF MATHEMATICS I		60	72	4	0	
MTM276	FUNDAMENTALS OF MATHEMATICS II		60	72	4	0	
MTM284	SPECIAL TOPICS IN MATHEMATICS I		60	72	4	0	
MTM285	SPECIAL TOPICS IN MATHEMATICS II		90	108	6	0	
MTM287	ANALYSIS II	MTM286	90	108	6	0	

CODE	ACTIVITIES	PREREQUISITE	CHARACTER	SWL	SEM
ATV100			MANDATORY	200	
ATV101			MANDATORY	90	

Required Courses Load	Work Load
Mandatory Disciplines	2730
Elective Disciplines	180
Optative Disciplines	0
Facultative Disciplines	0
Activities	290
Total	3200