



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	
MTM131	ANALYTICAL GEOMETRY AND VECTOR CALCULUS		60	72	4	0	1
MTM253	PROGRESSIONS AND FINANCIAL MATHEMATICS		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
BCC701	COMPUTER PROGRAMMING I		60	72	2	2	2
MTM112	INTRODUCTION TO LINEAR ALGEBRA		60	72	4	0	2
MTM122	DIFFERENTIAL AND INTEGRAL CALCULUS I	MTM259	90	108	6	0	2
MTM246	INTRODUCTION TO SETS THEORY AND LOGIC		60	72	4	0	2
EST202	STATISTICS AND PROBABILITY	MTM122	60	72	4	0	3
FIS130	PHYSICS I	MTM122	60	72	3	1	3
MTM116	LINEAR ALGEBRA I	MTM112	60	72	4	0	3
MTM123	DIFFERENTIAL AND INTEGRAL CALCULUS II	MTM122	60	72	4	0	3
MTM135	EUCLIDIAN GEOMETRY		60	72	4	0	3
BCC760	NUMERICAL CALCULUS	BCC701	60	72	2	2	4
FIS131	PHYSICS II	MTM123	60	72	3	1	4
MTM118	LINEAR ALGEBRA II	MTM116	60	72	4	0	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
FIS132	PHYSICS III	MTM124	60	72	3	1	5
MTM224	FUNCTIONS OF A COMPLEX VARIABLE	MTM124	60	72	4	0	5
MTM249	FUNDAMENTALS OF ALGEBRA		90	108	6	0	5
MTM255	COMBINATORICS		60	72	4	0	5
MTM286	ANALYSIS I	MTM123 MTM246	90	108	6	0	5
MTM136	INTRODUCTION TO DIFFERENTIAL GEOMETRY	MTM124	60	72	4	0	6
MTM250	ALGEBRA I	MTM249	60	72	4	0	6
MTM251	INTRODUCTION TO TOPOLOGY AND METRIC SPACES	MTM286	90	108	6	0	6
MTM287	ANALYSIS II	MTM286	90	108	6	0	6
MTM252	INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS	MTM125	90	108	6	0	7
MTM258	ALGEBRA II	MTM250	90	108	6	0	7
MTM288	ANALYSIS III	MTM124 MTM287	90	108	6	0	7
MTM289	UNDERGRADUATE THESIS I	1200 hours	60	72	4	0	7
MTM290	UNDERGRADUATE THESIS II	MTM289	60	72	4	0	8

CODE	ELECTIVE DISCIPLINES	PREREQUISITE	SWL	CWL	CLASSES		SEM
					T	P	
BEV175	GENERAL ECOLOGY		60	72	2	2	
BEV252	POPULATION AND COMMUNITY ECOLOGY	BEV175	60	72	3	1	
EDU534	ETHNIC-RACIAL RELATIONSHIP AND EDUCATION		30	36	2	0	
LET966	INTRODUCTION TO BRAZILIAN SIGN LANGUAGE (LIBRAS)		60	72	2	2	
MTM108	NUMBER SYSTEMS		60	72	4	0	
MTM193	NON-EUCLIDEAN GEOMETRIES		60	72	4	0	
MTM236	INTRODUCTION TO DYNAMICAL SYSTEMS		90	108	6	0	
MTM254	HISTORY OF MATHEMATICS		60	72	2	2	
MTM284	SPECIAL TOPICS IN MATHEMATICS I		60	72	4	0	
MTM285	SPECIAL TOPICS IN MATHEMATICS II		90	108	6	0	
MTM322	GENERAL TOPOLOGY		90	108	6	0	
MTM326	INTRODUCTION TO FUNCTIONAL ANALYSIS		90	108	6	0	
MTM329	MEASURE AND INTEGRATION		90	108	6	0	
MTM330	INTRODUCTION TO COMMUTATIVE ALGEBRA		90	108	6	0	
MTM483	SPECIAL TOPICS IN MATHEMATICS III		60	72	4	0	



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					T	P	
MTM484	SPECIAL TOPICS IN MATHEMATICS IV		90	108	6	0	

CODE	ACTIVITIES	PREREQUISITE	CHARACTER	SWL	SEM
ATV100			MANDATORY	150	

Required Courses Load	Work Load
Mandatory Disciplines	2220
Elective Disciplines	270
Optative Disciplines	0
Facultative Disciplines	0
Activities	150
Total	2640