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

UFOP

COURSE OF MATHEMATICS - 2026/2(curriculum 4)

OURO PRETO'S CAMPUS

CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
MTM131	ANALYTICAL GEOMETRY AND VECTOR CALCULUS		60/0	72	4	0	1
MTM256	ELEMENTARY ALGEBRA		60/0	72	4	0	1
MTM257	ELEMENTARY PLANE GEOMETRY		60/0	72	4	0	1
MTM259	CALCULUS ELEMENTS		60/0	72	4	0	1
BCC104	ALGORITHMS AND PROGRAMMING I		60/0	72	2	2	2
MTM112	INTRODUCTION TO LINEAR ALGEBRA		60/0	72	4	0	2
MTM122	DIFFERENTIAL AND INTEGRAL CALCULUS I		90/0	108	6	0	2
MTM246	INTRODUCTION TO LOGIC AND SETS THEORY		60/0	72	4	0	2
EST202	STATISTICS AND PROBABILITY	MTM122	60/0	72	4	0	3
FIS106	FUNDAMENTALS OF MECHANICS	MTM122	60/0	72	4	0	3
MTM116	LINEAR ALGEBRA I	MTM112	60/0	72	4	0	3
MTM123	DIFFERENTIAL AND INTEGRAL CALCULUS II	MTM122	60/0	72	4	0	3
MTM135	EUCLIDIAN GEOMETRY		60/0	72	4	0	3
BCC105	NUMERICAL CALCULUS	BCC104	60/0	72	2	2	4
FIS108	FUNDAMENTALS OF FLUIDS, OSCILLATIONS AND WAVES	MTM123	30/0	36	2	0	4
MTM118	LINEAR ALGEBRA II	MTM116	60/0	72	4	0	4
MTM124	DIFFERENTIAL AND INTEGRAL CALCULUS III	MTM123	60/0	72	4	0	4
MTM125	INTRODUCTION TO ORDINARY DIFFERENTIAL EQUATIONS	MTM123	60/0	72	4	0	4
FIS109	FUNDAMENTALS OF ELECTROMAGNETISM	MTM124	60/0	72	4	0	5
MTM224	FUNCTIONS OF A COMPLEX VARIABLE	MTM124	60/0	72	4	0	5
MTM249	FUNDAMENTALS OF ALGEBRA		90/0	108	6	0	5
MTM255	COMBINATORY ANALYSIS		60/0	72	4	0	5
MTM286	ANALYSIS I	MTM123	90/0	108	6	0	5
MTM136	INTRODUCTION TO DIFFERENTIAL GEOMETRY	MTM124	60/0	72	4	0	6
MTM250	ALGEBRA I	MTM249	60/0	72	4	0	6
MTM251	INTRODUCTION TO TOPOLOGY AND METRIC SPACES	MTM286	90/0	108	6	0	6
MTM287	ANALYSIS II	MTM286	90/0	108	6	0	6
MTM252	INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS	MTM125	90/0	108	6	0	7
MTM258	ALGEBRA II	MTM250	90/0	108	6	0	7
MTM288	ANALYSIS III	MTM287	90/0	108	6	0	7
MTM289	UNDERGRADUATE THESIS I		60/0	72	4	0	7
MTM290	UNDERGRADUATE THESIS II		60/0	72	4	0	8
MTM819	TECHNOLOGIES IN TEACHING MATHEMATICS		60/30	72	0	4	8

CODE	ELECTIVE DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
BCC106	ALGORITHMS AND PROGRAMMING II	BCC104	60/0	72	2	2	
BCC107	INTRODUCTION TO OPTIMIZATION		60/0	72	4	0	
BEV134	POPULATION BIOLOGY OF HOSTS AND PARASITES		60/0	72	2	2	
BEV135	DISEASE VECTOR INSECTS: BIOLOGY AND EXPERIMENTAL DELIMITATION FOR FIELD WORK		60/0	72	2	2	
BEV277	FUNDAMENTALS OF ECOLOGY I		60/0	72	2	2	
BEV279	FUNDAMENTALS OF ECOLOGY II	BEV277	60/0	72	2	2	
EDU534	ETHNIC-RACIAL RELATIONS AND EDUCATION		30/0	36	2	0	
EST303	PROBABILITY I	MTM122	60/0	72	4	0	
EST304	PROBABILITY II	EST303	60/0	72	4	0	
FIS105	FUNDAMENTALS OF EXPERIMENTAL PHYSICS	FIS106 MTM123	30/0	36	0	2	
FIS107	FUNDAMENTALS OF THERMODYNAMICS		30/0	36	2	0	
FIS110	FUNDAMENTALS OF OPTICS AND QUANTUM MECHANICS	FIS108	30/0	36	2	0	
LET966	INTRODUCTION TO THE BRAZILIAN SIGN LANGUAGE		60/0	72	2	2	

SWL – SEMESTER WORKLOAD IN HOURS; EWL – EXTENSION WORKLOAD IN HOURS; CWL - 50 MINUTE CLASS WORKLOAD; P - PRACTICAL CLASSES; T - THEORY CLASSES; SEM - SEMESTER

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					T	P	
MTM108	NUMERICAL SYSTEMS		60/0	72	4	0	
MTM193	NON-EUCLIDEAN GEOMETRIES		60/0	72	4	0	
MTM236	INTRODUCTION TO DYNAMICAL SYSTEMS		90/0	108	6	0	
MTM261	HISTORY OF MATHEMATICS		60/0	72	2	2	
MTM284	SPECIAL TOPICS IN MATHEMATICS I		60/0	72	4	0	
MTM285	SPECIAL TOPICS IN MATHEMATICS II		90/0	108	6	0	
MTM322	GENERAL TOPOLOGY		90/0	108	6	0	
MTM326	INTRODUCTION TO FUNCTIONAL ANALYSIS		90/0	108	6	0	
MTM329	MEASURE AND INTEGRATION		90/0	108	6	0	
MTM330	INTRODUCTION TO COMMUTATIVE ALGEBRA		90/0	108	6	0	
MTM482	SPECIAL TOPICS IN MATHEMATICS V		30/0	36	2	0	
MTM483	SPECIAL TOPICS IN MATHEMATICS III		60/0	72	4	0	
MTM484	SPECIAL TOPICS IN MATHEMATICS IV		90/0	108	6	0	

CODE	ACTIVITIES	PREREQUISITE	CHARACTER	SWL	SEM
ATV100			MANDATORY	90	
ATV300			MANDATORY	240	

Required Courses Load		Work Load
Mandatory Disciplines		2190
Elective Disciplines		120
Optative Disciplines		0
Facultative Disciplines		0
Activities		330
Extensions		270
	Total	2640

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