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	
EDU253	SOCIOLOGICAL STUDIES ON EDUCATION		60/0	72	4	0	1
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
EMA245	FUNDAMENTALS OF MATHEMATICS EDUCATION		30/0	36	2	0	2
EMA485	TEACHING PRACTICE ELEMENTARY AND MIDDLE SCHOOL I		60/0	72	0	4	2
MIF001	INTERDISCIPLINARY TRAINING MODULE I		30/0	36	1	1	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
EDU252	HISTORICAL STUDIES ON EDUCATION		60/0	72	4	0	3
EMA486	TEACHING PRACTICE ELEMENTARY AND MIDDLE SCHOOL II		60/0	72	0	4	3
FIS106	FUNDAMENTALS OF MECHANICS	MTM122	60/0	72	4	0	3
LET966	INTRODUCTION TO THE BRAZILIAN SIGN LANGUAGE		60/0	72	2	2	3
MTM123	DIFFERENTIAL AND INTEGRAL CALCULUS II	MTM122	60/0	72	4	0	3
MTM135	EUCLIDIAN GEOMETRY		60/0	72	4	0	3
BCC104	ALGORITHMS AND PROGRAMMING I		60/0	72	2	2	4
EDU256	EDUCATIONAL PSYCHOLOGY		60/0	72	4	0	4
EMA488	HIGH SCHOOL TEACHING PRACTICE I		60/0	72	0	4	4
MIF002	INTERDISCIPLINARY TRAINING MODULE II		30/0	36	1	1	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
EDU254	POLICIES AND EDUCATIONAL MANAGEMENT		60/0	72	4	0	5
EMA201	SUPERVISED INTERNSHIP AND TEACHING PRACTICE IN ELEMENTARY AND MIDDLE SCHOOL I	EMA485 EMA486	120/0	144	2	6	5
EMA489	HIGH SCHOOL TEACHING PRACTICE II		60/0	72	0	4	5
EST202	STATISTICS AND PROBABILITY	MTM122	60/0	72	4	0	5
MTM249	FUNDAMENTALS OF ALGEBRA		90/0	108	6	0	5
BCC105	NUMERICAL CALCULUS	BCC104	60/0	72	2	2	6
EMA202	SUPERVISED INTERNSHIP AND TEACHING PRACTICE IN ELEMENTARY AND MIDDLE SCHOOL II	EMA485 EMA486	120/0	144	2	6	6
MIF003	INTERDISCIPLINARY TRAINING MODULE III		30/0	36	1	1	6
MTM261	HISTORY OF MATHEMATICS		60/0	72	2	2	6
MTM286	ANALYSIS I	MTM123	90/0	108	6	0	6
MTM390	UNDERGRADUATE THESIS I	1200 hours	60/0	72	4	0	6
EMA203	SUPERVISED INTERNSHIP AND TEACHING PRACTICE IN HIGH SCHOOL I	EMA488 EMA489	120/0	144	2	6	7
MTM224	FUNCTIONS OF A COMPLEX VARIABLE	MTM124	60/0	72	4	0	7
MTM253	PROGRESSIONS AND FINANCIAL MATHEMATICS		60/0	72	4	0	7
MTM255	COMBINATORY ANALYSIS		60/0	72	4	0	7
MTM391	UNDERGRADUATE THESIS II	MTM390	60/0	72	4	0	7
EMA204	SUPERVISED INTERNSHIP AND PRACTICE IN HIGH SCHOOL II	EMA488 EMA489	120/0	144	2	6	8
MTM248	SPATIAL GEOMETRY	MTM135	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	
EDU534	ETHNIC-RACIAL RELATIONS AND EDUCATION		30/0	36	2	0	
EMA018	SPECIAL TOPICS OF MATHEMATICS EDUCATION I		60/0	72	4	0	

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	
EMA019	SPECIAL TOPICS OF MATHEMATICS EDUCATION II		60/0	72	4	0	
EMA174	RESEARCH METHODOLOGY IN MATHEMATICS EDUCATION		60/0	72	4	0	
EMA191	MATHEMATICAL MODELLING I	MTM122	60/0	72	4	0	
EMA217	MATHEMATICAL INVESTIGATIONS IN THE CLASSROOM		60/0	72	2	2	
EMA218	TRENDS IN MATHEMATICS HIGHER EDUCATION		60/0	72	4	0	
EMA221	EVALUATION AND MATHEMATICS EDUCATION		60/0	72	2	2	
EMA553	PRACTICE OF EXTENSION PROJECTS		60/60	72	0	4	
EMA554	PRACTICE OF TEACHING PROJECTS		60/60	72	0	4	
FIS105	FUNDAMENTALS OF EXPERIMENTAL PHYSICS	FIS106 MTM123	30/0	36	0	2	
FIS107	FUNDAMENTALS OF THERMODYNAMICS	MTM122	30/0	36	2	0	
FIS108	FUNDAMENTALS OF FLUIDS, OSCILLATIONS AND WAVES	FIS106	30/0	36	2	0	
MTM108	NUMERICAL SYSTEMS		60/0	72	4	0	
MTM116	LINEAR ALGEBRA I	MTM112	60/0	72	4	0	
MTM136	INTRODUCTION TO DIFFERENTIAL GEOMETRY	MTM124	60/0	72	4	0	
MTM250	ALGEBRA I	MTM249	60/0	72	4	0	
MTM251	INTRODUCTION TO TOPOLOGY AND METRIC SPACES	MTM286	90/0	108	6	0	
MTM252	INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS	MTM125	90/0	108	6	0	
MTM275	FUNDAMENTALS OF MATHEMATICS I		60/0	72	4	0	
MTM276	FUNDAMENTALS OF MATHEMATICS II		60/0	72	4	0	
MTM284	SPECIAL TOPICS IN MATHEMATICS I		60/0	72	4	0	
MTM285	SPECIAL TOPICS IN MATHEMATICS II		90/0	108	6	0	
MTM287	ANALYSIS II	MTM286	90/0	108	6	0	
MTM820	EXTENSION ACTIVITIES IN MATHEMATICS II		60/60	72	0	4	
MTM821	EXTENSION ACTIVITIES IN MATHEMATICS		60/60	72	0	4	

CODE	ACTIVITIES	PREREQUISITE	CHARACTER	SWL	SEM
ATV100			MANDATORY	260	
ATV101			MANDATORY	30	

Required Courses Load		Work Load
Mandatory Disciplines		2730
Elective Disciplines		180
Optative Disciplines		0
Facultative Disciplines		0
Activities		290
Extensions		320
	Total	3200

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