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

UFOP

COURSE OF CHEMISTRY - 2026/2(curriculum 2)

OURO PRETO'S CAMPUS

CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
EDU252	HISTORICAL STUDIES ON EDUCATION		60/0	72	4	0	1
LET966	INTRODUCTION TO THE BRAZILIAN SIGN LANGUAGE		60/0	72	2	2	1
MTM131	ANALYTICAL GEOMETRY AND VECTOR CALCULUS		60/0	72	4	0	1
QUI251	EXPERIMENTAL GENERAL CHEMISTRY I		30/0	36	0	2	1
QUI252	UNDERGRADUATE SEMINARS		30/0	36	2	0	1
QUI253	GENERAL CHEMISTRY I		60/0	72	4	0	1
EDU253	SOCIOLOGICAL STUDIES ON EDUCATION		60/0	72	4	0	2
EST202	STATISTICS AND PROBABILITY		60/0	72	4	0	2
MTM122	DIFFERENTIAL AND INTEGRAL CALCULUS I		90/0	108	6	0	2
QUI271	GENERAL CHEMISTRY II	QUI251 QUI253	60/0	72	4	0	2
QUI272	EXPERIMENTAL GENERAL CHEMISTRY II	QUI251 QUI253	30/0	36	0	2	2
EDU256	EDUCATIONAL PSYCHOLOGY		60/0	72	4	0	3
FIS106	FUNDAMENTALS OF MECHANICS		60/0	72	4	0	3
MIF001	INTERDISCIPLINARY TRAINING MODULE I		30/0	36	1	1	3
QUI227	PHYSICAL CHEMISTRY I	MTM122 QUI271 QUI272	60/0	72	4	0	3
QUI228	EXPERIMENTAL PHYSICAL CHEMISTRY I	MTM122 QUI271 QUI272	30/0	36	0	2	3
QUI241	EXPERIMENTAL INORGANIC CHEMISTRY I	QUI271 QUI272	30/0	36	0	2	3
QUI273	INORGANIC CHEMISTRY A	QUI271 QUI272	60/0	72	4	0	3
QUI274	CHEMISTRY SUPERVISED INTERNSHIP I	QUI271 QUI272	30/0	36	2	0	3
EDU254	POLICIES AND EDUCATIONAL MANAGEMENT		60/0	72	4	0	4
QUI225	ORGANIC CHEMISTRY I	QUI271 QUI272	60/0	72	4	0	4
QUI226	EXPERIMENTAL ORGANIC CHEMISTRY I	QUI271 QUI272	30/0	36	0	2	4
QUI230	PHYSICAL CHEMISTRY II	QUI227 QUI228	60/0	72	4	0	4
QUI231	EXPERIMENTAL PHYSICAL CHEMISTRY II	QUI227 QUI228	30/0	36	0	2	4
QUI275	HISTORY OF CHEMISTRY	QUI271 QUI272	60/0	72	2	2	4
QUI276	CHEMISTRY SUPERVISED INTERNSHIP II	QUI274	60/0	72	2	2	4
MIF002	INTERDISCIPLINARY TRAINING MODULE II		30/0	36	1	1	5
QUI193	ANALYTICAL CHEMISTRY A	QUI271 QUI272	45/0	54	3	0	5
QUI229	ORGANIC CHEMISTRY II	QUI225 QUI226	60/0	72	4	0	5
QUI233	EXPERIMENTAL ORGANIC CHEMISTRY II	QUI225 QUI226	30/0	36	0	2	5
QUI247	EXPERIMENTAL ANALYTICAL CHEMISTRY I	QUI271 QUI272	45/0	54	0	3	5
QUI270	CHEMISTRY TEACHING METHODOLOGY I	QUI276	60/0	72	4	0	5
QUI278	CHEMISTRY SUPERVISED INTERNSHIP III	QUI276	105/0	126	2	5	5
QUI130	ORGANIC ANALYSIS D	QUI229 QUI233	60/0	72	2	2	6
QUI248	ANALYTICAL CHEMISTRY II	QUI193 QUI247	45/0	54	3	0	6
QUI249	EXPERIMENTAL ANALYTICAL CHEMISTRY II	QUI193 QUI247	45/0	54	0	3	6
QUI279	CHEMISTRY TEACHING METHODOLOGY II	QUI270 QUI275	60/0	72	4	0	6
QUI280	DIDACTIC OF CHEMISTRY TEACHING	QUI270	60/0	72	4	0	6
QUI281	CHEMISTRY SUPERVISED INTERNSHIP IV	QUI278	105/0	126	2	5	6
CBI256	BIOCHEMISTRY	QUI229 QUI233	60/0	72	4	0	7
FIS109	FUNDAMENTALS OF ELECTROMAGNETISM	FIS106 MTM122	60/0	72	4	0	7
QUI282	CHEMISTRY TEACHING METHODOLOGY III	QUI279	60/0	72	4	0	7
QUI283	FINAL RESEARCH PROJECT I	QUI281	105/0	126	2	5	7
QUI346	INSTRUMENTAL ANALYTICAL CHEMISTRY	QUI248 QUI249	60/0	72	2	2	7
FIS108	FUNDAMENTALS OF FLUIDS, OSCILLATIONS AND WAVES	FIS106	30/0	36	2	0	8
FIS110	FUNDAMENTALS OF OPTICS AND QUANTUM MECHANICS	FIS109	30/0	36	2	0	8
GEO200	INTRODUCTION TO MINERALOGY	QUI251 QUI253	60/0	72	2	2	8
QUI169	ENVIRONMENTAL CHEMISTRY A	QUI225 QUI226	60/0	72	4	0	8
QUI284	FINAL RESEARCH PROJECT I	QUI282	60/0	72	4	0	8
QUI285	FINAL RESEARCH PROJECT I	2000 hours	60/0	72	2	2	8
MIF003	INTERDISCIPLINARY TRAINING MODULE III		30/0	36	1	1	9

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

CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
QUI286	FINAL RESEARCH PROJECT II	QUI285	60/0	72	2	2	9

CODE	ELECTIVE DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
ALI239	BROMATOLOGY	QUI130	75/0	90	3	2	
BCC701	COMPUTER PROGRAMMING I		60/0	72	2	2	
BEV500	NATURAL SCIENCES: CONTENTS AND METHODOLOGY		60/0	72	4	0	
CIV228	ENVIRONMENTAL SANITATION		60/0	72	2	2	
EDU400	DEVELOPMENTAL NEUROPSYCHOLOGY AND EDUCATION		60/0	72	4	0	
EDU402	CONCEPTS OF CONTINUING EDUCATION		60/0	72	4	0	
EDU409	EDUCATIONAL PRACTICES IN NON-SCHOOL ENVIRONMENTS		60/0	72	4	0	
EDU413	TEXTBOOK AND EDUCATIONAL PRACTICES		60/0	72	4	0	
EDU502	PHILOSOPHICAL STUDIES ON EDUCATION		60/0	72	4	0	
EDU511	PEDAGOGICAL BASES OF EDUCATIONAL WORK		60/0	72	4	0	
EDU512	EDUCATIONAL EVALUATION		30/0	36	2	0	
EDU516	EDUCATION AND TECHNOLOGY		60/0	72	2	2	
EDU520	EDUCATIONAL PRACTICES: TOY LIBRARY		30/0	36	1	1	
EDU530	YOUTH AND ADULTS EDUCATION		30/0	36	2	0	
EDU534	ETHNIC-RACIAL RELATIONS AND EDUCATION		30/0	36	2	0	
FAR363	WATER QUALITY		60/0	72	2	2	
FIL136	PHILOSOPHY OF SCIENCE: 20TH CENTURY		60/0	72	4	0	
FIS118	CONCEPTUAL PHYSICS		60/0	72	2	2	
FIS119	PHYSICS IN THE MODERN WORLD		60/0	72	4	0	
FIS302	STRUCTURE OF MATTER I	FIS108 FIS110 QUI251 QUI253	60/0	72	4	0	
FIS402	INFORMATION AND COMMUNICATION TECHNOLOGIES IN EDUCATION		90/0	108	4	2	
FIS404	NON-FORMAL AND INFORMAL EDUCATION IN THE NATURAL SCIENCES		90/0	90	4	2	
FIS827	INTRODUCTION TO QUANTUM INFORMATION		60/0	72	4	0	
GEO110	GENERAL GEOLOGY		45/0	54	3	0	
QUI175	ORIGIN AND CHARACTERIZATION OF OIL AND DERIVATIVES	1200 hours	45/0	54	2	1	
QUI181	CHEMOMETRICS	QUI130 QUI346	30/0	36	2	0	
QUI500	TRENDS IN CHEMISTRY TEACHING	EDU253	60/0	72	4	0	
QUI501	INTRODUCTION TO CARBOHYDRATE CHEMISTRY	QUI229	30/0	36	2	0	
QUI502	TRENDS IN CHEMISTRY EDUCATION: RESEARCH AND TEACHING		30/0	36	1	1	
QUI503	DEVELOPING DIDACTIC UNITS FOR CHEMISTRY TEACHING IN ELEMENTARY SCHOOL		60/0	72	2	2	
QUI504	GREEN TECHNOLOGIES FOR CHEMICAL INDUSTRIES	QUI227 QUI229	45/0	54	3	0	
QUI506	INTRODUCTION TO PHYSICAL CHEMISTRY OF SURFACES	QUI227 QUI228	30/0	36	2	0	
QUI511	INTRODUCTION TO PHARMACEUTICAL CHEMISTRY	QUI229 QUI233	30/0	36	2	0	
QUI512	TECHNOLOGY IN FRAGRANCES AND FLAVORINGS	QUI229 QUI273	30/0	36	2	0	
QUI513	INTELLECTUAL PROPERTY PROTECTION PRACTICE		60/0	72	4	0	
QUI514	ARGUMENTATION IN CHEMISTRY TEACHING		60/0	72	4	0	
QUI515	CHEMICAL EDUCATION IN AN STS APPROACH		60/0	72	4	0	
QUI516	ANALOGIES AND THE TEACHING OF CHEMISTRY		60/0	72	4	0	

CODE	ACTIVITIES	PREREQUISITE	CHARACTER	SWL	SEM
ATV100			MANDATORY	200	

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Required Courses Load		Work Load
Mandatory Disciplines		2805
Elective Disciplines		210
Optative Disciplines		0
Facultative Disciplines		0
Activities		200
Extensions		0
	Total	3215