



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



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

CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL	CWL	CLASSES		SEM
					T	P	
BEV167	PLANT MORPHOLOGY		30	36	0	2	1
BEV190	TOPICS IN BIOLOGY		30	36	2	0	1
BEV212	INTRODUCTION TO PHYLOGENETIC SYSTEMATICS		30	36	2	0	1
CBI217	CELLULAR BIOLOGY		45	54	2	1	1
MTM141	MATHEMATICS APPLIED TO BIOLOGICAL SCIENCES		60	72	4	0	1
QUI309	GENERAL CHEMISTRY		30	36	2	0	1
QUI310	EXPERIMENTAL GENERAL CHEMISTRY		30	36	0	2	1
BEV162	PLANT SYSTEMATICS I		60	72	2	2	2
BEV165	INVERTEBRATE ZOOLOGY I		60	72	2	2	2
BEV173	PLANT ANATOMY	BEV167	60	72	2	2	2
CBI236	GENERAL HISTOLOGY	CBI217	60	72	2	2	2
GEO110	GENERAL GEOLOGY		45	54	3	0	2
LET112	PORTUGUESE		30	36	2	0	2
QUI313	ORGANIC CHEMISTRY	QUI309 QUI310	45	54	3	0	2
QUI314	EXPERIMENTAL ORGANIC CHEMISTRY	QUI309 QUI310	30	36	0	2	2
BEV163	PLANT SYSTEMATICS II		60	72	2	2	3
BEV166	INVERTEBRATE ZOOLOGY II	BEV165	60	72	2	2	3
CBI107	SPECIAL HISTOLOGY	CBI236	60	72	2	2	3
CBI147	BIOCHEMISTRY I	QUI313 QUI314	60	72	2	2	3
EST211	BIOSTATISTICS	MTM141	60	72	4	0	3
FIS120	PHYSICS APPLIED TO BIOLOGY	MTM141	60	72	3	1	3
BEV145	GENETICS		60	72	2	2	4
BEV175	GENERAL ECOLOGY		60	72	2	2	4
BEV191	VERTEBRATE ZOOLOGY I	BEV166	60	72	2	2	4
CBI148	BIOCHEMISTRY II	CBI147	60	72	2	2	4
CBI156	IMMUNOLOGY	CBI147	30	36	2	0	4
CBI237	DEVELOPMENTAL BIOLOGY	CBI217 CBI236	60	72	2	2	4
EST212	BIOSTATISTICS I	EST211	60	72	2	2	4
BEV174	PLANT PHYSIOLOGY	BEV173 CBI147	60	72	2	2	5
BEV176	POPULATION ECOLOGY	BEV175	90	108	4	2	5
BEV192	VERTEBRATE ZOOLOGY II	BEV191	60	72	2	2	5
CBI139	MOLECULAR BIOLOGY	BEV145 CBI148 CBI217	45	54	3	0	5
CBI149	BASIC PHYSIOLOGY	CBI217 CBI236	60	72	2	2	5
CSO111	RESEARCH METHODOLOGY	120 hours	30	36	1	1	5
BEV146	POPULATION GENETICS	BEV145	30	36	2	0	6
BEV170	EVOLUTION	BEV145 BEV175	60	72	4	0	6
BEV177	COMMUNITY ECOLOGY	BEV176	90	108	4	2	6
BEV193	COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY	BEV192	60	72	2	2	6
BEV262	INTRODUCTION TO MARINE BIOLOGY	BEV166	60	72	2	2	6
CBI140	BASIC PARASITOLOGY	BEV166 CBI156	60	72	3	1	6
CBI503	GENERAL MICROBIOLOGY A	CBI147	60	72	2	2	6
FIL211	PHILOSOPHY OF SCIENCES		30	36	2	0	6
BEV180	LIMNOLOGY	BEV175	60	72	2	2	7
CBI251	ENVIRONMENTAL MICROBIOLOGY	CBI147 CBI503	60	72	2	2	7
GEO247	PALEONTOLOGY	BEV163 BEV167 BEV191 BEV192 GEO110	45	54	2	1	7
AMB201	ENVIRONMENTAL IMPACT AND MANAGEMENT	BEV177	60	72	2	2	8
BEV169	BIODIVERSITY	BEV177	60	72	2	2	8
CIV228	ENVIRONMENTAL SANITATION	BEV175	60	72	2	2	8



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					T	P	
ALI311	BIOTERISM		60	72	2	2	
AMB107	PRINCIPLES OF BIOTECHNOLOGY		60	72	2	2	
AMB118	ENVIRONMENTAL POLLUTION AND DEGRADATION	1200 hours	45	54	3	0	
AMB176	ENVIRONMENTAL LICENSING AND IMPACT ASSESSMENT	DIR751	60	72	4	0	
AMB304	ENVIRONMENTAL AUDIT AND INVESTIGATION	AMB176	30	36	2	0	
BCC443	GEOPROCESSING AND GEOGRAPHIC INFORMATION SYSTEMS		60	72	4	0	
BCC445	MODELING AND SIMULATION OF LAND SYSTEMS		60	72	4	0	
BEV147	ECOLOGICAL ENTOMOLOGY	BEV166	60	72	2	2	
BEV185	BIOETHICS PRINCIPLES		30	36	2	0	
BEV200	PHYTOGEOGRAPHY	BEV163 BEV167 BEV175	60	72	2	2	
BEV201	ECONOMIC BOTANY	BEV163 BEV167 BEV175	60	72	2	2	
BEV202	BIOGEOGRAPHY	BEV163 BEV167 BEV175	60	72	2	2	
BEV203	TOPICS IN GENETICS	BEV145 CBI139	30	36	2	0	
BEV204			90	108	3	3	
BEV263	AQUATIC ECOLOGY	BEV175	45	54	2	1	
BEV266	MOLECULAR EVOLUTION	BEV170 CBI139	60	72	2	2	
BEV267	MOLECULAR GENETICS OF THE DEVELOPMENT	CBI139 CBI237	60	72	4	0	
BEV268	INTRODUCTION TO AGROBIODIVERSITY		60	72	4	0	
BEV269	FIELD TECHNIQUES BASIC COURSE A		45	54	1	2	
BEV274	GENETIC CONSERVATION		30	36	2	0	
BEV275	CYTOGENETICS		30	36	1	1	
CBI114	HUMAN ANATOMY		60	72	2	2	
CBI265	SPECIAL TOPICS IN METABOLIC BIOCHEMISTRY		30	36	2	0	
CBI268	ADVANCED TOPICS IN ARTERIAL HYPERTENSION		30	36	2	0	
CBI269	ADVANCED TOPICS: IMPORTANCE OF THE PHYSIOLOGY IN UNDERGRADUATE COURSES OF BIOLOGICAL SCIENCES AND HEALTH		30	36	2	0	
CBI282	FUNDAMENTAL PARASITOLOGY		30	36	2	0	
CBI283	BIOTECHNOLOGY FOR DIAGNOSIS ON HEALTH	CBI140 CBI156	60	72	2	2	
DIR720	TOPICS IN BIOLAW		30	36	2	0	
DIR751	ENVIRONMENTAL LAW	1800 hours	30	36	2	0	
DIR776	ENVIRONMENTAL AND CULTURAL LAW		60	72	4	0	
EST002	STATISTICS II		90	108	6	0	
EST003	PROBABILITY I	EST002 MTM212	90	108	6	0	
EST008	SAMPLING TECHNIQUES I	EST003	60	72	4	0	
EST009	DEMOGRAPHICS	EST002	60	72	4	0	
FAR035	EPIDEMIOLOGY	EST211	45	54	2	1	
FAR104	ECOTOXICOLOGY		45	54	3	0	
FAR408	BIOTECHNOLOGY II	FAR617	60	72	0	4	
FAR413	BIOTECHNOLOGY III	FAR617	45	54	1	2	
FAR609	PUBLIC HEALTH		30	36	2	0	
FAR617	BIOTECHNOLOGY	CBI139 CBI148 CBI503	45	54	3	0	
LET966	INTRODUCTION TO BRAZILIAN SIGN LANGUAGE (LIBRAS)		60	72	2	2	
MED162	GENERAL PSYCHOLOGY		30	36	2	0	
MED425	HEALTH AND SPIRITUALITY		45	54	3	0	
MTM139	INTRODUCTION TO DIFFERENTIAL AND INTEGRAL CALCULUS		60	72	4	0	
MTM212	DIFFERENTIAL AND INTEGRAL CALCULUS I	MTM139	60	72	4	0	
MTM604	CALCULUS II FOR STATISTICS	MTM212	90	108	6	0	
NCS160	INTRODUCTION TO CLINICAL NUTRITION	1800 hours	30	36	1	1	
PRO126	ENERGY, SOCIETY AND ENVIRONMENT		60	72	4	0	
PRO226	MACROECONOMICS		60	72	4	0	
PRO227	MICROECONOMICS		60	72	4	0	
PRO301	ENTREPRENEURSHIP		60	72	4	0	
PRO506	ENVIRONMENTAL ECONOMY	PRO226	60	72	4	0	
PRO526	GAME THEORY	MTM141	60	72	4	0	
PRO551	BIOMASS ENERGY		60	72	4	0	
PRO553	ENERGY AND CLIMATE CHANGE	FIS120	60	72	4	0	
QUI175	ORIGIN AND CHARACTERIZATION OF OIL AND DERIVATIVES		45	54	2	1	



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					T	P	
BEV260	RESEARCH SEMINARS AND UNDERGRADUATE THESIS I		180	216	2	10	7
CBI260	RESEARCH SEMINARS AND UNDERGRADUATE THESIS I		180	216	2	10	7
BEV261	RESEARCH SEMINARS AND UNDERGRADUATE THESIS II	BEV260	180	216	2	10	8
CBI261	RESEARCH SEMINARS AND UNDERGRADUATE THESIS II	CBI260	180	216	2	10	8

CODE	ACTIVITIES	PREREQUISITE	CHARACTER	SWL	SEM
ATV100			MANDATORY	120	

Required Courses Load	Work Load
Mandatory Disciplines	2535
Elective Disciplines	210
Optative Disciplines	360
Facultative Disciplines	0
Activities	120
Total	3225