UNIVERSIDADE FEDERAL DO ESTADO DO RIO DE JANEIRO CENTER FOR BIOLOGICAL AND HEALTH SCIENCES Biomedical Institute

BIOMEDICINE COURSE DESCRIPTIONS

TABLE OF CURRICULAR COMPONENTS v2007 (MANDATORY COURSES, OPTIONAL COURSES, SUPERVISED CURRICULAR INTERNSHIP, COMPLEMENTARY ACTIVITIES AND FINAL PAPER

COD SIE	COURSE_NAME	TERM	TOTAL_CL	CREDITS	CREDITS	COURSE DESCRIPTION	PREREQUISITE	Type*
ECB0005	SUPERVISED	7	270	9	0/270 0T/9P	Develop professional knowledge and practice, enabling the student to work in an	onexistent	1
	INTERNSHIP I					integrated manner, in which he/she acts cooperatively, achieving previously established goals.		
ECB0006	SUPERVISED INTERNSHIP II	8	570	19	0/570 0T/19P	integrated manner, in which he/she acts cooperatively, achieving previously	UPERVISED INTERNSHIP	1
ECB0007	FINAL PAPER I	7	60	2	00/60 0T/2P	established goals. Stimulation of scientific production, improvement of the interpretation capacity and co	ourse area	1
LOBOOO		•	00	2	00/00 01/21	elaboration of a course conclusion work in a specific area.		I
ECB0008	FINAL PAPER II	8	60	2	00/60 0T/2P	Graphic presentation of the monograph.	INAL PAPER I	1
HDI0142	BRAZILIAN SIGN LANGUAGE	2	60	4	60/0 4T/0P	Brazilian Sign Language and its linguistic singularities. LIBRAS experience from direct contact with a deaf teacher. Implications of Decree No. 5,526 for school practice and teacher training.	onexistent	2
HDI0164	AFRO-BRAZILIAN CULTURES IN CLASSROOM	2	30	2	30/0 2T/0P	Ethnic-Racial Diversity in the Elementary School. Black Diaspora. African no civilizations. Africans in Brazil: origin and contributions. Black movement. Quilombos: history, organization and culture. Law 10,639/2003: text and context. Africanity and Religiosity. Contemporary Afro-Brazilian cultures. Dimensions of Afro-Brazilian Culture Teaching.	onexistent	2
HTD0051	ORAL AND WRITTEN EXPRESSION	2	60	3	30/30 2T/1P	General notions of discursive genre. Communication scheme; Oral and written no language. Grammatical Standards. Oral expression.	onexistent	2
SBC0003	PLANT BIOLOGY	2	75	4	45/30 3T/1P		onexistent	2
SBC0013	SCIENTIFIC WRITING SKILLS	3	30	2	30/0 2T/0P	The course aims to present the structure of a research project and report, no monograph structure, dissertation and thesis, with a focus on editorial and graphic uniformity.	onexistent	2
SBC0030	FUNDAMENTALS OF BOTANY	1	60	3	30/30 2T/1P		onexistent	1
SBC0031	CURRENT TOPICS IN	6	30	2	30/00 2T/0P	Discussion of theories, hypotheses and classic concepts of Biology.	ASIC ECOLOGY	2
SBC0063	ADVANCED PLANT BIOTECHNOLOGY	2	45	2	15/30 1T/1P	Plant Biotechnology: definition, object, methods, importance of its study for the economic viability of the production of species and their special metabolites. Study of basic and advanced techniques and commercial applicability of these techniques.	onexistent	2
SBQ0001	ADVANCED TOPICS IN BIOSCIENCES	2	30	2	30/0 2T/0P	Weekly seminars with the results of researches developed by UNIRIO's research professors and graduate students and guests from other strictu sensu programs.	onexistent	2
SBQ0025	BIOCHEMISTRY OF	5	30	2	30/0 2T/0P		IOCHEMISTRY II	2
SBQ0026	BIOCHEMISTRY OF	5	60	3	30/30 2T/1P	- Manual Manual the effective in the effective in the second second second second in the	IOCHEMISTRY II	2
SBQ0027	SEMINARS IN	5	30	2	30/0 2T/0P	Learn how to prepare a seminar. Discuss scientific articles. Present articles in the BI	IOCHEMISTRY II	2
SCA0018	ENVIRONMENTAL	2	45	2	15/30 1T/1P	to an at a construction of the second s	onexistent	2
SCF0001	BIOCHEMISTRY I	3	90	5	60/30 4T/1P		onexistent	1
SCF0004	PHYSIOLOGY II (Human)	6	45	3	45/0 3T/0P	and a builded on the later and a second state of the second state of the second state and	HYSIOLOGY I (GENERAL)	1
SCF0006	RADIOBIOLOGY	6	60	3	30/30 2T/1P	On such that is a base in large. Dhuse is large a farmer taken by the operational second in a base with a base we be in the second se	IOLECULAR BIOLOGY I	1
SCF0007	PHYSIOLOGY I	5	60	3	30/30 2T/1P	Contraction we distinguish we then Derive a thirth second state of the little state of the D	IISTOLOGY II	1
SCF0009	PHARMACOLOGYI	6	60	3	30/30 2T/1P		HYSIOLOGY I (GENERAL)	1
SCF0010	PHARMACOLOGY II	7	120	6	60/60 4T/2P	the the sine spinish and users. Discuss the head de actions on the property	HARMACOLOGY I	1
SCF0011	BIOCHEMISTRY II	4	90	5	60/30 4T/1P			1
SCF0013	BIOPHYSICS	4	120	6	60/60 4T/2P	Describility of a state of the second state of the second state of the second state of the second state of the	onexistent	1
SCF0021	TOXICOLOGY	5	60	3	30/30 2T/1P			1
SCF0021	BIOMEDICAL PHYSICS	2	60	3	30/30 2T/1P		onexistent	2
SCI 0024 SCM0001	CYTOLOGY	1	30	2	30/0 2T/0P	no die suid later. Mus die ties us die fue suider en voe die date een van die suid feer die suid ook	onexistent	1
SCM0001	HISTOLOGY	2	60	3	30/30 2T/1P		SYTOLOGY	1
SCM0002	HISTOLOGY II	2	60 60	3	30/30 21/1P 30/30 2T/1P	On the first of the second sec	IISTOLOGY I	1
SCM0003	EMBRYOLOGY	3	60 30		30/30 21/1P 30/00 2T/0P	the standard back of the standard strands Mental standard Direction strands	onexistent	1
	GENERAL GENETICS	-		2	30/00 21/0P 60/30 4T/1P		IOCHEMISTRY I	-
SCM0006		4	90	5				1
SCM0009	HUMAN GENETICS	7	60 90	3	30/30 2T/1P			
SCM0011		3	90	4	30/60 2T/2P			1
SCM0012	HUMAN ANATOMY I	4	120	5	30/90 2T/3P	Necessary knowledge of Anatomy, aiming to associate them at the macroscopic Al level with the knowledge acquired in histology, relating to the four fundamental tissues and some organs and systems, seeking to relate to the maximum with the courses of the professional program.	ΝΑΤΟΜΥ	2
SCM0013	HUMAN ANATOMY II	5	120	5	30/90 2T/3P		IUMAN ANATOMY I	2
SCM0021	ADVANCED	7	45	3	45/00 3T/0P	Introduction to Programming Logic, PERL and Python Applications, Introduction to BI	IOINFORMATICS	2

SCM0029	MOLECULAR BIOLOGY I	5	90	5	60/30 4T/1P	Coll organization. Chromosomos, games and game expression control. The coll cycle C	ENERAL GENETICS	1
	MOLECULAR BIOLOGY I		90 60	3	30/30 2T/1P	I want the second s	IOLECULAR BIOLOGY I	2
						and an different state to the state of the s		_
	BIOINFORMATICS	6	45	2	15/30 1T/1P		IOLECULAR BIOLOGY I	2
SCN0003		1	75	4	45/30 3T/1P	A sid base theories. Colling time as hit are and any partice. Chemical histories	onexistent	1
	ORGANIC CHEMISTRY	2	75	4	45/30 3T/1P	internet listen all shall and Amir an Dhenrals. Ethernet Aldahudan and Katanaa in		1
SCN0007	ANALYTICAL	3	90	4	30/60 2T/2P	the standard from the standa		1
SCN0024	APPLIED CHEMISTRY	5	60	2	0/60 0T/2P		Organic Chemistry and iochemistry I	2
SCN0036	ASTROBIOLOGY	4	60	4	60/0 4T/0P	Notions of Fundamental Astronomy, Astrophysics Notions, Notions of Cosmology, G	ENERAL PHYSICS	2
SCN0047	PALEOBIOLOGY	2	90	5	60/30 4T/1P	The origin and development of life (chemical evolution and the origin and	onexistent	2
SCN0128	GENERAL PHYSICS	3	60	4	60/00 4T/0P	Newton's laws. Work and Energy. Conservation of energy. Thermodynamic no	onexistent	1
SCN0129	APPLIED PHYSICS	4	90	5	60/30 4T/1P	Theory of errors. Conventional and non-conventional sources of energy. Fusion and G	ENERAL PHYSICS	2
SEH0012	AGING AND HEALTH	2	30	2	30/0 2T/0P	Contraction Deally and the Deally and the advantage of the dealer dealer dealer the Original Lange	onexistent	2
	BASIC ECOLOGY	2	90	5	60/30 4T/1P		COLOGY ELEMENTS	1
	ENVIRONMENTAL	2	45	2	15/30 1T/1P	Original Definition and contains. First stars and damantics, Olivery Free stars	COLOGY ELEMENTS	1
	ECOLOGY ELEMENTS	1	60	4	30/30 2T/1P	the second state of the se	onexistent	1
SER0014	EVOLUTION	5	60	4	60/00 4T/0P	limiting for to your big more Excelution on a coolemy. Discription of coolemy	GENERAL GENETICS	1
3LK0014		5	00	4	00/00 41/06	change, population structure and genetic drift, effects of natural selection, speciation and adaptation, applied methodologies, biogeography, human evolution.	ENERAL GENERICS	I
SMG0025	HEMATOLOGY	6	60	3	30/30 2T/1P	theoretical and practical point of view, for the exercise of Clinical Analyzes with regard to the field of Hematology.	IISTOLOGY II MICROSCOPIC ANATOMY)	2
	INTRODUCTION TO	8	30	2	30/0 2T/0P	The syllabus of the optional course Introduction to Clinical Research aims to provide B	Concluted a set of the set of a set of the s	2
SMP0024	GENERAL AND EXPERIMENTAL PATHOLOGY	6	120	5	30/90 2T/3P	morphological study of general pathological processes; Notions of II Immunopathology, Genetic Pathology, Nutritional Pathology and Environmental A	MUNOLOGY HISTOLOGY (MICROSCOPIC NATOMY) MOLECULAR IOLOGY I	1
SMP0025	IMMUNOLOGY	5	90	4	30/60 2T/2P	General and host-specific defense mechanisms in the interrelationships with the B	IOCHEMISTRY I	1
SMP0026	MICROBIOLOGY	6	150	7	60/90 4T/3P	Study of the morphological and physiological characteristics of the bacterial cell;	MMUNOLOGY	1
SMP0027	PARASITOLOGY	6	120	6	60/60 4T/2P	Concept of parasitism; Biological associations; Taxonomy notions; Parasitic actions	MMUNOLOGY ANATOMY	1
SMP0058	CLINICAL	7	60	3	30/30 2T/1P	Laboratory diagnosis of parasitic agents. Protocols, procedures and indications of P	arasitology	2
	ENVIRONMENT AND	4	60	3	30/30 2T/1P	di a construir a diversi a di a la construir a diversi a di a di a construir a di	onexistent	1
	PHYSICAL EDUCATION I	1	30	1	00/30 0T/1P	to de a l'altra de la constance en la constante de standarda en la constante de la constante de la constante d	onexistent	3
	PHYSICAL EDUCATION II	2	30	1	00/30 0T/1P		HYSICAL EDUCATION I	3
SSC0016	EPIDEMIOLOGY	7	60	4	60/00 4T/0P	Study the health-disease process in human communities, analyzing the distribution Pland determining factors of illnesses, health problems and events associated with	ARASITOLOGY IICROBIOLOGY IOSTATISTICS	1
SSC0020	HYGIENE AND PUBLIC	7	45	3	45/00 3T/0P	The course analyzes the importance of the social component in the emergence, P.	ARASITOLOGY	1
SSC0030	SCIENTIFIC RESEARCH	5	45	3	45/0 3T/0P	The course analyzes the scientific method in its historical-philosophical evolution and no	onexistent	1
SSC0046	THEORY OF KNOWLEDGE IN EPIDEMIOLOGY	6	45	3	45/00 3T/0P	The course analyzes the disease as a historical construct determined by the conceptions of time and space. Such conceptions make up the religious, philosophical, and scientific thinking of each era, while their historical remains are consolidated on common sense. It starts from the premise that this whole set structures the disease category and that radical changes in time and space engender radical changes in its constitutive elements - cause, contagion, transmission and control. As a case study, we discuss the contradictory coexistence of Ancient and Modern conceptions, exemplified in the case of syphilis and AIDS.	MMUNOLOGY	2
SSC0058	INTRODUCTION TO	4	30	2	30/0 2T/0P	Introduction to the history, concept, and main schools of Anthropology. Medical no	onexistent	2
SSC0059	BIOSIGNALING	2	60	4	60/0 4T/0P	Identification of the main receptors and molecular mechanism of biosignalization.	onexistent	2
SSC0060	SPORTS AND HEALTH	2	30	2	30/0 2T/0P	The Sport and Health course intends to discuss the chemical and biological bases and	onexistent	2
SSC0061	DIABETES MELLITUS	2	60	4	60/0 4T/0P	Study of Molecular Aspects related to the stimulation of beta cells by incretin	onexistent	2
SSC0062	SEMINARS ON	2	30	2	30/0 2T/0P		onexistent	2
STA0001	BROMATOLOGY	4	120	5	30/90 2T/3P		NALYTICAL CHEMISTRY II	2
SZO0001	ANIMAL BIOLOGY	2	75	4	45/30 3T/1P	and a Barnet state and state and state at the state of th	onexistent	2
	INTRODUCTION TO	3	75	4	45/30 3T/1P		NIMAL BIOLOGY	2
	APPLIED ZOOLOGY	1	60	3	30/30 2T/1P	a construction of the second	onexistent	1
	EPISTEMOLOGY AND	2	60	4	60/0 4T/0P		onexistent	2
	INTRODUCTION TO	6	60	4	30/30 2T/1P	the stand of the	onexistent	3
	DATABASE	6 7	60 60		30/30 21/1P 30/30 2T/1P	Notions of information systems and their implementation through the use of relational IN		3
				3				-
	BIOMATEMATICS	6	60	3	30/30 2T/1P			2
TME0011	BIOSTATISTICS STATISTICAL ANALYSIS	3 7	90 60	5	60/30 4T/1P 30/30 2T/1P	Detailed discussion of the design and analysis of some studies that used statistical methodology. Exploratory data analysis with emphasis on the discussion of variability and statistical distributions. Single factor experiment design. Two-factor experiment design. Multiple Comparisons. Multivariate analysis emphasizing the types of studies that can use these techniques to reduce their size or to form clusters	IATH SUPPLEMENTS I	1 2
TME0016	MATH SUPPLEMENTS I	1	75	4	45/30 3T/1P	Lead the student to master techniques and strategies, from a mathematical point of	onexistent	1
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