

Faculty of Sciences

BIOLOGY

Semester	Cycle	Code	Title	Credits
S1	1 st	SBIOB132	Theories of evolution	2
S1	2 nd	SBIOM101	Advanced Techniques of Cell and Molecular Biology	3
S1	2 nd	SBIOM120	Stem Cells and Differentiation	3
S1	2 nd	SBIOM121	Organelle Dysfunction as the Basis of Diseases	3
S1	2 nd	SBIOM122	Cancer: from molecular to clinical aspects	3
S1	2 nd	SBIOM124	Host Pathogen Interactions	3
S1	2 nd	SBIOM128	Hot Topics in Microbiomes, Diabetes and Cardiovascular Diseases	3
S1	2 nd	SBIOM132	Bacterial Genetics and Evolution	3
S1	2 nd	SBIOM134	Protein Structure and Function	3
S1	2 nd	SBIOM135	Proteins in the Early Secretory Pathway : Homeostasis and Quality Control	3
S1	2 nd	SBIOM136	Bacterial Cell Biology	3
S1	2 nd	SBIOM138	Inflammation	3
S1	2 nd	SBIOM201	Parasitology	2
S1	2 nd	SBOEM111	Advanced and applied evolutionary	3
S1	2 nd	SBOEM112	Data analysis and modeling of biological systems	5
S1	2 nd	SBOEM114	Molecular ecology and biodiversity genomics	4
S1	2 nd	SBOEM115	Environmental Epigenetics	2
S1	2 nd	SBOEM162	Biodiversity and ecosystem functioning	2
S1	2 nd	SBOEM170	Advances in applied and basic ecotoxicology	5
S2	1 st	SBIOB207	Functional and adaptive biology	5
S2	1 st	SBIOB220	Data Analysis in Life Sciences	2
S2	1 st	SBIOB304	Bachelor thesis	5
S2	1 st	SBIOB305	Evolution	2
S2	1 st	SBIOB324	Advanced Statistics and Bioinformatics in Life Sciences	5
S2	1 st	SBIOB340	Biodiversity, conservation and population genetics	4
S2	1 st	SBIOB341	Ecophysiology and ecotoxicology	4
S2	1 st	SBIOB343	Conservation and Population Genetics	2
S2	1 st	SBIOB362	Ecoethology	4
S2	1 st	SBIOB369	Metabolic diversity and ecology of microorganisms	3
S2	1 st	SBIOB375	Internship rotations	5
S2	2 nd	SBIOM104	Intensive Integrated Practical Courses	3
S2	2 nd	SBIOM119	Effective Team Collaboration	2
S2	2 nd	SBIOM208	Anticancer Therapies	3
S2	2 nd	SBIOM219	Genetic and Cell Therapy	3
S2	2 nd	SBIOM233	Glycobiology	3
S2	2 nd	SBOEM113	Behavioural responses to a changing world	4
S2	2 nd	SBOEM116	Applied bioinformatics for molecular ecology	2
CHEMISTRY				
S1	2 nd	SCHIM102	Advanced Theoretical Chemistry	6
S1	2 nd	SCHIM103	Advanced Inorganic Chemistry: Adsorption, Interfaces, Heterogeneous Catalysis	6

S1	2 nd	SCHIM104	Characterization Techniques in Life and Materials Chemistry	6
S1	2 nd	SCHIM106	Advanced Organic Chemistry	6
S1	2 nd	SCHIM202	Green Chemistry	4
S1	2 nd	SCHIM203	Supramolecular Chemistry	4
S1	2 nd	SCHIM204	Solid State Chemistry	4
S1	2 nd	SCHIM235	Innovative technologies in chemistry	4
S1	2 nd	SMMMM110	Microbiology Basics	4
S1	2 nd	SMMMM114	Eukaryotic Microorganisms	2
S1	2 nd	SMMMM115	Applied and Synthetic Microbiology	3
S1	2 nd	SMMMM116	Genomics and bioinformatics	5
S1	2 nd	SMMMM119	Bacterial Stress Response and Signalling	2
S1	2 nd	SMMMM120	Pathogens and Epidemiology	3
S1	2 nd	SMMMM121	Antibiotics, from Origin to Resistance	2
S1	2 nd	SMMMM122	Microbial interactions and communities	2
S1	2 nd	SMMMM125	Chemistry of the bacterial cell	2
S1	2 nd	SSPSM203	Philosophy of Life Sciences	2
S2	2 nd	SCHIM109	Scientific Programming for Chemists	4
S2	2 nd	SCHIM114	Organometallic Synthesis and Catalysis	4
S2	2 nd	SCHIM121	Microscopy Applied to Materials Chemistry	4
S2	2 nd	SCHIM124	Processes and Methods for the Preparation of Solid Nanomaterials	4
S2	2 nd	SCHIM222	Nanotechnologies	4
S2	2 nd	SCHIM225	Asymmetric synthesis and catalysis	4
S2	2 nd	SCHIM215	Glycoscience	4
S2	2 nd	SCHIM224	Organic photochemistry	4
S2	2 nd	SCHIM214	Strategy for the Synthesis of Complex Molecules	4
S2	2 nd	SMMMM113	Professional English (level B2+)	2
-	2 nd	SCHIM125	Master Thesis	23
-	2 nd	SMMMM109	Research Initiation (Biblio and/or Lab Work)	22
-	2 nd	SMMMM202	Internship (Research Lab/Industry)	30
<u>S1</u>	<u>2nd</u>	<u>SMMMM201</u>	<u>Master Thesis</u>	<u>30</u>
VETENARY MEDICINE				
S2	1 st	SVETB103	Animal Ethnography (Partial E-Learning) (niveau B1)	5
S2	1 st	SVETB295	Applied English 1 (level B2)	2
S2	1 st	SVETB392	Research Student + (Linked to SVETB314 and SVETB391)	2
S2	1 st	SVETB399	Applied English 2 (Linked to SVET B314 and SVET B392) (level B2+)	2
S1	2 nd	SVETM209	Molecular Virology	2
LIST OF ENGLISH LANGUAGE COURSES				
S1+S2	1 st	SCDLB101	Introduction to Scientific English (level B1 and above)	2
S1+S2	1 st	SCDLB102	Introduction to Scientific English (level B1 and higher)	3
S1+S2	1 st	SCDLB103	Introduction to Scientific English (level B1 and above)	3
S1+S2	1 st	SCDLB104	Introduction to Scientific English (level B1 and above)	3

S1+S2	1 st	SCDLB105	Introduction to Scientific English (level B1 and above)	3
S1+S2	1 st	SCDLB201	English: Communicating Science Effectively (level B2)	2
S1+S2	1 st	SCDLB202	English: Communicating Science Effectively (level B2 and above)	3
S1+S2	1 st	SCDLB203	English: Communicating Sciences Effectively (level B1 and above)	3
S1+S2	1 st	SCDLB204	English and maths (level B1 and above)	3
S1+S2	1 st	SCDLB205	English II (level B1 and above)	3
S1+S2	1 st	SCDLB301	Writing and Presenting a Scientific Literature Review (level B2)	2
S1+S2	1 st	SCDLB302	English: Presentation Skills (level B2 and above)	3
S1+S2	1 st	SCDLB303	English: Debating Science (level B2 minimum)	3
S1+S2	1 st	SCDLB304	English, maths and communication (level B2 and above)	3
S1+S2	1 st	SCDLB305	English III (level B2 minimum)	3
Other				
S1+S2	1 st & 2 nd	UNAM0049	Science for all : Introduction to popular science	3

 The courses in orange are accessible to UNamur students only