

The evaluation process is a detailed version of the study plan. The information provided in the study plan takes precedence. The information could be completed by the teachers in various forms (e-mails, course materials, Moodle platform, etc.).

MODULE 1				
Courses	Responsible teacher	Type of evaluation		Final mark
		Exam	Validation	
Data Analysis	Bergmann S.	-	Yes	written reports : arithmetical mean
Sequence a Genome I + Sequence a Genome II	Engel P.	oral 20 min	Yes	1/3 written report 2/3 mark of the oral exam
Write a Review	Benton R.	-	Yes	2/3 written review 1/3 participation in class

MODULE 2	
First Step Research Project	1/3 written report 1/3 oral defence 1/3 practical work

MODULE 3				
Courses	Responsible teacher	Type of evaluation		Final mark
		Exam	Validation	
Semesters 1 and 3 (Autumn)				
Biotechnology	Poirier Y.	written 1h	No	mark of the written exam
Chromosome Organisation and Dynamics	Gruber S.	-	Yes	1/2 written report 1/2 participation in class
CRISPR-Cas9 Genome Editing	van Leeuwen J.	-	Yes	two written reports : arithmetical mean
Development of the Nervous System	Braissant O.	oral 15 min	No	mark of the oral exam
Genomics, Proteomics and Quantitative Genetics	Franken P.	written 2h	No	mark of the written exam
Modeling of Plant Growth	Majda M.	oral 20 min	No	mark of the oral exam
Molecular Mechanisms of Evolution	Benton R.	written 2h	No	mark of the written exam
Plant and Animal Domestication : from History to Molecular Mechanisms	Soyk S.	-	Yes	1/2 oral presentation 1/2 written report
Plant Functional Genetics	Poirier Y.	written 1h	No	mark of the written exam
Proteins : from Structural Determination to Molecular Dynamic Simulations	Santiago Cuellar J.	written 2h	No	mark of the written exam
Scientific Research in all its Forms (for Biology) (in French only)	Preissmann D.	-	Yes	two written reports : arithmetical mean
Advanced Data Analysis	Ciriello G.	-	Yes	written reports : arithmetical mean
Advanced Python Programming	Salamin N.	oral 15 min	No	mark of the oral exam
Theory and Practice in Gene Expression Analyses	Gfeller D.	oral 20 min	No	mark of the oral exam
Advanced Microbial Genetics	Collier J., Pelet S.	oral 15 min	No	mark of the oral exam
Bacterial Genomes and Genome Evolution	van der Meer J.	-	Yes	Marks of the class work exercises
Bacterial Virulence and Pathogenesis	Greub G.	-	Yes	1/2 exercises 1/2 Journal Club
Fungal Virulence and Pathogenicity	Lamoth F.	written 1h	No	mark of the written exam
Immunology and Infectious Diseases	Roger T.	written 1h	No	mark of the written exam
Mechanisms and Principles of Yeast Cell Biology	Vjestica, A. Gasser S.	-	Yes	1/2 oral presentation 1/2 participation in class
Microbes as Tools in Experimental Biology	Coste A.	-	Yes	1/2 oral presentation and participation in class 1/2 exercises
Plant Interactions with Microbes and Insects	Keel C.	oral 30 min	No	mark of the oral exam
Viral Pathogenesis and Emerging Viruses	Ciuffi A.	-	Yes	1/2 oral presentation and participation in class 1/2 exercises
Virus-Host Interactions	Gouttenoire J.	written 1h	No	mark of the written exam
Semesters 2 and 4 (Spring)				
Epigenetics and Cell Differentiation	Gasser S.	-	Yes	1/2 oral presentation 1/2 participation in class
Epitranscriptomics and RNA Dynamics	Roignant J.-Y.	-	Yes	mark of the written report
Metabolic Signaling Pathways in Health and Disease	Fajas L.	-	Yes	2/3 oral presentation 1/3 participation in class
Scientific Communication - Scientific Hands-on Workshop Module (MSc BEC)	Kaufmann A. Reymond P.	-	Yes	2/3 conception, implementation and presentation of an activity for the general public 1/3 written essay
Training in Animal Experimentation (RESAL Module 1)	Brolliet M.-C.	-	Yes	certificate
Advanced Population Genetics	Malaspina A.-S.	-	Yes	1/2 oral presentation 1/2 exercises
Bioinformatic Algorithms	Dessimoz C.	oral 20 min	No	mark of the oral exam
Industrial Bioinformatics	Xenarios I.	-	Yes	mark of the written report
Phylogeny and Comparative Methods (MSc BEC)	Salamin N.	-	Yes	mark of the written report
Anti-Infective Agents	Lamoth F.	written 2h	No	mark of the written exam
Design and Build a Synthetic Biological System I (MSc)	Schaerli Y.	-	Yes	1/2 written report 1/2 oral presentation
Design and Build a Synthetic Biological System - Practical Project	Schaerli Y.	-	Yes	1/2 participation in class 1/2 notebook update
Epidemiology of Human Pathogens	Bianc D.	-	Yes	mark of the oral presentation
Microbiome Analysis	van der Meer J.	-	Yes	mark of the written report
Microbiomes	van der Meer J.	-	Yes	mark of the written report
Systems Microbiology: Genome-Wide (Chemical) Genetics in Bacteria	Veening J.-W.	-	Yes	mark of the written report

MODULE 4				
Courses	Responsible teacher	Type of evaluation		Final mark
		Exam	Validation	
Write a Fellowship	Benton R.	-	Yes	1/3 oral presentation 2/3 written report
Master Research Project		1/3 written report 1/3 oral defence 1/3 practical research work		

The pandemic has shown us that circumstances beyond our control may require us to make the following adjustments / adaptations to study plans during the semester:

- possibility to switch from one mode of teaching to another (face-to-face <-> distance, synchronous <-> asynchronous, switch to co-modal teaching where it was not initially planned).
- change / modification of evaluation modalities, without inducing derogations from the Study Regulations (oral <-> written, exam <-> validation, individual work <-> group work, practical work <-> theoretical work, face-to-face evaluation <-> online evaluation, etc.)
- alternative or time-shifted modalities for teachings, internships, practical work, fieldworks and camps that could not take place or teachings that could no longer take place in the form initially planned.

Students are invited to consult this document regularly (Study Plan & Evaluation Procedure)