



DEGREE PROGRAM ACADEMIC YEAR 2018/2019						DEGREE PROGRAM ACADEMIC YEAR 2018/2019						
Classe LM-6 - Biology (D.M. 270/04)						Classe LM-6 - Biology (D.M. 270/04)						
POSTGRADUATE PROGRAMME "APPLIED AND MOLECULAR BIOLOGY"						POSTGRADUATE PROGRAMME "APPLIED AND MOLECULAR BIOLOGY"						
CURRICULUM BIOTECHNOLOGY						CURRICULUM SCIENCE OF NUTRITION						
SUBJECT	Tipologia	SETTORE		Tot. CFU	Tot. Ore	SUBJECT	Tipologia	SETTORE		Tot. CFU	Tot. Ore	
FIRST YEAR						FIRST YEAR						
BIOCHEMISTRY AND BIOTECHNOLOGY OF PROTEINS	Caratt.	BIO/10		8	64	1	BIOCHEMISTRY OF NUTRITION	Caratt.	BIO/10	8	64	
CELLULAR BIOTECHNOLOGY	Caratt.	BIO/06		6	48	2	CELLULAR BIOTECHNOLOGY	Caratt.	BIO/06	6	48	
<i>COMBINED COURSE: BIOINFORMATICS</i>						<i>COMBINED COURSE: BIOINFORMATICS</i>						
Module 1 BIOINFORMATICS	Caratt.	BIO/18	6	10	80	3	Module 1 BIOINFORMATICS	Caratt.	BIO/18	6	10	80
Module 2 BIOINFORMATICS	Aff.	FIS/07	4			Module 2 BIOINFORMATICS	Aff.	FIS/07	4			
BIOCHEMICAL ANALYSIS	Caratt.	BIO/10		6	48	4	BIOCHEMICAL ANALYSIS	Caratt.	BIO/10	6	48	
<i>COMBINED COURSE: BIOMOLECULAR TECHNOLOGIES</i>						<i>COMBINED COURSE: BIOMOLECULAR TECHNOLOGIES</i>						
> GENETIC ENGINEERING	Caratt.	BIO/11	6	12	96	5	> GENETIC ENGINEERING	Caratt.	BIO/11	6	12	96
> ADVANCED MOLECULAR BIOLOGY	Caratt.	BIO/11	6			> ADVANCED MOLECULAR BIOLOGY	Caratt.	BIO/11	6			
BIOTECHNOLOGY OF MICROORGANISMS	Aff.	AGR/16		7	56	6	BIOTECHNOLOGY OF MICROORGANISMS	Aff.	AGR/16	7	56	
REPRODUCTIVE TECHNOLOGIES	Caratt.	BIO/06		6	48	7	PHYSIOLOGY OF NUTRITION	Caratt.	BIO/09	7	56	
LANGUAGE ADVANCED LEVEL				3			LANGUAGE ADVANCED LEVEL			3		
OPTIONAL CREDITS *				6	48		OPTIONAL CREDITS *			6	48	
		Totale CFU		64					Totale CFU	65		
SECOND YEAR (to be activated 2019/2020)						SECOND YEAR (to be activated 2019/2020)						
APPLIED GENETIC	Caratt.	BIO/18		6	48	8	APPLIED GENETIC	Caratt.	BIO/18	6	48	
BIOMOLECULAR NANOTECHNOLOGIES	Aff.	CHIM/06		6	48	9	MICROBIOLOGICAL QUALITY AND SAFETY OF FOOD	Aff.	AGR/16	7	56	
<i>COMBINED COURSE: BIOMEDICAL MICROBIOLOGY</i>						<i>COMBINED COURSE: BIOMEDICAL MICROBIOLOGY</i>						
BACTERIOLOGY	Caratt.	BIO/19	6	12	96	10	CHEMICAL ANALYSIS OF FOODS	Aff.	CHIM/01	7	56	
DIAGNOSTIC MICROBIOLOGY	Caratt.	MED/07	6									
MODELLING OF BIOLOGICAL SYSTEMS	Aff.	CHIM/06		5		11	APPLIED DIETETIC SCIENCES AND TECHNIQUES	Caratt.	MED/49	8	64	
PRATICAL TRAINING	Altre			5			PRATICAL TRAINING	Altre		5		
OPTIONAL CREDITS *				6			OPTIONAL CREDITS *			6		
THESIS				16			THESIS			16		
		Totale CFU		56					Totale CFU	55		
		TOT		120					TOT	120		
COURSES FOR OPTIONAL CREDITS *						COURSES FOR OPTIONAL CREDITS *						
MOLECULAR BIOPHYSICS	D	FIS/07		6	48	12	<i>COMBINED COURSE: ALGAE AND NUTRITION</i>					
FERMENTATION BIOTECHNOLOGY	D	AGR/16		6	48		> ALGAE IN HUMAN NUTRITION	D	BIO/04	3	6	48
MOLECULAR GENETIC **	D	BIO/18		6	48		> ALGAE AND FOOD CONTAMINATION	D	BIO/01	3		
LABORATORY OF BIOACTIVE MOLECULES **	D	CHIM/06		6	48		<i>COMBINED COURSE: NUTRIGENETICS AND NUTRITIONAL GENOMICS</i>					
MEDICAL AND MOLECULAR VIROLOGY	D	AGR/16		6	48		> NUTRIGENETICS AND NUTRITIONAL GENOMICS-MODULE 1	D	BIO/18	3	6	48
							> NUTRIGENETICS AND NUTRITIONAL GENOMICS-MODULE 2	D	BIO/11	3		
							FOODBORNE MICROBIAL DISEASES	D	MED/07	6	6	
							OXIDATIVE STRESS IN BIOLOGICAL SYSTEMS	D	BIO/10	6	6	

The courses for credits to be chosen are valid for both curricula

* At least 6 CFU must be acquired attending one of the following optional courses

** to be inserted in the career of students that didn't submit an individual study plan

> Laboratory of bioactive molecules - first year

> Molecular genetic - second year

a) 1 credit= 8 hours. Together with the theoretical lectures, all courses must have at least 1 credit of experimental session

b) combined courses involve various courses with only one final examination

c) there are no compulsory prerequisite exams

d) Practical training has to be carried out in structures outside DISVA for 120 hours

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