



DEGREE PROGRAM ACADEMIC YEAR A.A. 2019/2020

DISVA

CLASS L-13 - BIOLOGICAL SCIENCES (D.M. 270/04)

Degree Course: BIOLOGICAL SCIENCES

	SUBJECT	Tipologia	SETTORE		Tot CFU	Tot. Ore
<b>FIRST YEAR (split "A-L" "M-Z")</b>						
1	MATHEMATICS	Base	MAT/05		8	64
2	PHYSICS	Base	FIS/07		8	64
3	COMBINED COURSE: CHEMISTRY I				9	72
	> CHEMISTRY I MODULE 1	Base	CHIM/03	5		
	> CHEMISTRY I MODULE 2	Affine	CHIM/06	4		
4	ZOOLOGY	Base	BIO/05		8	64
5	CYTOLOGY AND HISTOLOGY	Base	BIO/06		8	64
6	BOTANY	Base	BIO/01		8	64
	ENGLISH	LS			4	/
			<b>Totale CFU</b>		<b>53</b>	
<b>SECOND YEAR (to be activated 2020/2021)</b>						
7	CHEMISTRY II	Base	CHIM/06		8	64
8	GENERAL PHYSIOLOGY	Caratt.	BIO/09		9	72
9	BIOLOGY LABORATORY (°)	Aff.	BIO/13		8	64
	MARINE BIOLOGY LABORATORY (°)					
10	STATISTICS FOR EXPERIMENTAL SCIENCES	Aff.	CHIM/01		7	56
11	BIOCHEMISTRY	Caratt.	BIO/10		8	64
12	GENERAL MICROBIOLOGY	Caratt.	BIO/19		8	64
13	ECOLOGY	Caratt.	BIO/07		8	64
	OPTIONAL CREDITS*				6	/
			<b>Totale CFU</b>		<b>62</b>	
<b>THIRD YEAR (to be activated 2021/2022)</b>						
14	COMPARATIVE ANATOMY	Caratt.	BIO/06		8	64
15	DEVELOPMENTAL BIOLOGY	Caratt.	BIO/06		8	64
16	PLANT PHYSIOLOGY	Caratt.	BIO/04		8	64
17	GENETICS	Caratt.	BIO/18		8	64
18	MOLECULAR BIOLOGY	Caratt.	BIO/11		8	64
19	MARINE BIOLOGY (°°)	Caratt.	BIO/07 BIO/06		7	56
	CELL BIOLOGY AND CYTOGENETIC (°°)					
	OPTIONAL CREDITS*				6	/
	PRACTICAL TRAINING				5	/
	FINAL EXAM				7	/
			<b>Totale CFU</b>		<b>65</b>	
20	<b>COURSES FOR OPTIONAL CREDITS *</b>					
	HUMAN ANATOMY ***	D	BIO/16		6	48
	BIOETHICS**	D	BIO/07		6	48
	INSTRUMENTAL ANALYTICAL CHEMISTRY	D	CHIM/01		6	48
	PHARMACOLOGY	D	BIO/14		6	48
	FUNDAMENTALS OF GEOLOGY	D	GEO/01		6	48
	GENERAL PALEONTOLOGY	D	GEO/01		6	48
	BIOMEDICAL LABORATORY SAFETY**	D	MED/44		6	48

(°) the student has to choose one compulsory course between Biology Laboratory and Marine Biology Laboratory

(°°) the student has to choose one compulsory course between Marine Biology and Cell Biology and Cytogenetics

\* 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

> Biomedical laboratory safety - second year

> Bioethics - third year

\*\*\* recommended in second year

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

b) to take the third year examinations students have to have passed the English Language test

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