

PAA 3 MODELLISTICA MATEMATICO-FISICA PER LA BIOMEDICINA
BIO (Mathematical and physical modeling in biomedicine)

	n.	CAT	SEM	SSD	COD	INSEGNAMENTO / COURSE	CFU
ANNO YEAR 1	1	OB	1	MAT/05	095958	Real and functional analysis	8
	2	OB	1	ING-INF/05	052496	Algorithms and parallel computing	10
	3	SC	1	ING-IND/34	099279	Technologies for regenerative medicine	10
	4	MTM	2	MAT/05	095963	Advanced partial differential equations	8
	5	MA	2	MAT/08	052497	Numerical analysis for partial differential equations	10
	6	MA	2	MAT/07	097725	Mathematical and physical modeling in engineering	10
	7	ING	1 o 2			<i>a scelta dalla Tabella / to be chosen from Group ING</i>	10
						Tot	66

	n.	CAT	SEM	SSD	COD	INSEGNAMENTO / COURSE	CFU
ANNO YEAR 2	8	MA	1	MAT/07+MAT/08	097634	Computational fluid dynamics	10
	9	ING	1	ICAR/01	095962	Fluids labs	10
	10	SC	1	ING-IND/34	096253	Fenomeni di trasporto nei sistemi biologici	10
	11	MTM	1	MAT/07	097660	Methods and models for statistical mechanics (*) (8 CFU)	8 / 5
			2	MAT/08	095976	Advanced programming for scientific computing (8 CFU)	
			2	ING-INF/06	073588	Laboratorio di elaborazione di bioimmagini (5 CFU)	
	12	MTM	2	MAT/07	097661	Biomathematical modeling	8
		1 o 2		097690	Prova finale / Final work	12	
						Tot	58 / 55

(*) Activation in the a.y. 2017/18 and alternate years after

TABELLE / GROUPS						
	SEM	SSD	COD	INSEGNAMENTO / COURSE	CFU	Note / Notes
ING	1	ING-INF/04	089195	Dinamica dei sistemi complessi	10	
	1	ING-INF/01	085930	Elettronica	10	
	1	ICAR/01	095962	Fluids Labs	10	
	1	ING-IND/10	097575	Termodinamica e processi energetici	10	
	2	ING-INF/04	096297	Model identification and data analysis	10	