


Computer Science	Mathematics	Bioinformatics
Professional perspectives for biological systems modelling		
Discrete modelling of dynamical biological systems 1		
Fundamentals of biology 1		
Computational biology		
Complexity and calculability	Functional analysis	Genomics
	Probability	Basics in algebra and analysis
Software engineering	Programming and algorithms	
Mathematics for modelling	Continuous dynamical systems, linear algebra and modelling	Mathematics for modelling

 Shared lectures




Computer Science	Mathematics	Bioinformatics
CENTURI Seminars		
Fundamentals of biology 2		
Statistical and computational tools for biological modelling		
Research project and scientific communication		
Discrete mathematics	Advanced statistics	
	Hilbert and Fourier analysis	Probability and statistics for modelling 2
Analysis of omics data	Partial differential equations and numerical analysis	Analysis of omics data

 Shared lectures



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CENTURI Seminars		
Biological interaction networks		
Advanced biology (2 options among 3)	Developmental Biology Immunology Neurosciences	
Interdisciplinary project in modelling		
Calculus models, dynamical systems and number theory algorithm	Statistical inference and big data in biology	
	Advanced biology (3rd option among 3)	Optimization and numerical calculus
	Biological databases	Option 1 *
Discrete geometry and graphical models		
Distributed algorithms for biology	Applications in mathematical modelling	Option 2 *

 Shared lectures



Computer Science

Mathematics

Bioinformatics

Master thesis in CENTURI institutes

