

Course catalog – Natural Sciences Class Galilean School 2016-2017

1st year		trimester
COMPLEMENTS OF ANALYSIS	Davide Vittone	1
CALCULUS	Paolo Guiotto	1
INTRODUCTION TO PROBABILITY MODELS	Alessandra Bianchi	2
INTRODUCTION TO THERMODYNAMICS	Fulvio Baldovin	3
2nd year		
MEASURE THEORY	Paolo Ciatti	1
INTERACTION NETWORKS IN LIVING SYSTEMS	Amos Maritan	1
FLUID DYNAMICS	Roberto Turolla	2
PROBABILISTIC METHODS IN DATA ANALYSIS FOR THE NATURAL SCIENCES	Giulio D'Agostini	2
3rd year		
CHEMICAL EQUILIBRIUM AND IRREVERSIBLE PROCESSES	Giorgio Moro	2
BIOLOGY, GENETICS AND BIOTECHNOLOGY OF PLANTS	Livio Trainotti	3
INTRODUCTION TO COGNITIVE NEUROSCIENCE		
module 1	Mathew Ernest Diamond	1
module 2	Davide Zoccolan	
module 3	Domenica Bueti	
module 4	Davide Crepaldi	
DIFFERENTIAL GEOMETRY		
module 1	Carla Novelli	2
module 2	Franco cardin	
PROBABILITY AND INTRODUCTION TO STOCHASTIC PROCESSES	Paolo Dai Prà	3
4th-5th year		
QUANTUM INFORMATION		
module 1	Paolo Villoresi	2
module 2	Giuseppe Vallone	
METHODS OF EXPERIMENTAL PHYSICS FOR LIFE SCIENCES		
module 1	Giovanni Carugno	2
module 2	Riccardo Faccini	
INTRODUCTION TO NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS		
module 1	Nicola Garofalo	1
module 2	Nicola Garofalo	

trimester 1 12/10/2016 - 4/12/2016

trimester 2 11/1/2017 - 11/3/2017

trimester 3 14/3/2017 - 20/5/2017