Description of course 77874:

The course will focus of recent experiments and models in Biological Physics (3 weekly hours +1 hour exercise)

* The molecular level:
* chemical kinetics
* Diffusion
* Stochastic processes
* Flow of information: from DNA to proteins

- The network level:

* + Gene regulation
	+ Positive and negative feedback
	+ Amplification and reduction of noise
	+ Reaction-diffusion processes
	+ Oscillations
	+ Evolutionary perspective
* The population level:
	+ Population dynamics: growth, death etc.
	+ Predator-prey models
	+ Noise in population dynamics