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