Structure and evolution of galaxies (UNIGe)

Frequency
Every year

Remarque
Postponed

Summary
This course aims at providing a synthetic vision of the present state of knowledge on galaxies, which presents rapid changes thanks to recent technology development, both on the observational and computational aspects. The course plans to describe the world of galaxies from close to far away.

Content
Solar vicinity in the Milky Way
Milky Way as a galaxy (spiral structure, bar bulb, center, exterior disk and halo
The local group
The local supercluster
Galaxy cluster
Large scale structures

Are also presented :
The general properties of galaxies according to their Hubble type
The main physical mechanisms (stellar formation, nucleosynthesis)
Dark matter

Lecturer : Prof. Daniel Pfenniger, Observatoire de Genève

Learning Prerequisites

Recommended courses
Master, option astrophysics