Frequency
Every year

Summary
This course is designed to cover a series of important scientific aspects of surface science and to provide an in-depth review of their corresponding fundamentals. It is organised as a retreat over one week, with 9 modules consisting of presentations given by lecturers and the participants.

Content
Please find information on the link below.

Keywords
surface thermodynamics and kinetics, geometric and electronic structure determination, adsorbate-covered metal and oxide surfaces, morphology, grain growth, texture, constrained film structures, amorphous films, simulation. Plasma, thin films, coatings, nanostructured films, CVD, PACVD, PVD, sputtering, scanning probe microscopy, STM, SFM (AFM), MFM

Learning Prerequisites
Recommended courses
Participants should be educated in materials science, physics, chemistry or microtechnology to benefit the most from this course.

Resources
Websites
• https://ccmx.epfl.ch/courses-and-events/2019-winter-school/