

Course offered for the STAT PhD program starting from a.y. 2019/2020

TITLE	<b>Micromorphological characterization of plant tissues</b>
Lecturer	Prof. Laura Cornara (PA – Botany, BIO/01; DISTAV, UNIGE)
Duration and Credits	8 hours – 2 CFU
Course description	Having spread nearly all around the world, green plants show a stunning variety of forms and structures as a result of extremely diverse environment conditions, and genetic and phylogenetic diversity. Light microscopy and scanning electron microscopy (SEM) are important tools for studying plant structure and can be used in different kinds of applications. These include taxonomic studies, pharmacognosy, plant ecology, archeobotany, palynology, and many others. The course is focused on application of microscopic techniques in the study of plant samples to obtain their micromorphological characterization. Examples are provided by different types of plant organs and tissues, pollen, seeds etc. The scientific meaning of these data and the possibilities of their application in different research fields will be discussed.
Course organization	The course will consist of class lessons and laboratory exercise (Light microscopy and SEM microscopy).
Teaching period	January-February