

Organising institution

Università degli Studi di Padova
Dipartimento. Territorio e Sistemi Agro-Forestali - TESAF
Prof. Augusto Zanella

Partner Institutions

Université de Paris-Saclay

Course Title and Description

Do-Re-Mi-Fa SOL

With this project in collaboration with the University of Paris-Saclay we want to teach students to describe and analyze in practice the vegetation and soil of four forest stations to understand their functioning and plan their management.

We will film and comment on the practical part that takes place in the field in Fontainebleau (77, France), on the Montceau hill. There will also be a phase of work in the laboratory of the historic "Station de Biologie Végétale et d'Écologie Forestière" designed by Gaston Bonnier at the end of the 19th century.

The general goal is to try to understand how the interaction between vegetation and soil can explain the biodiversity of the forest investigated areas from a functional point of view.

In many different forest stations, activities include:

floristic surveys, humus forms identification, litter weighing, litter macrofauna identification, soil diversity study (profile study), pH measurement, soil macrofauna recognition.

First day. Morning, general patrol tour of the transept located on the relief. Surveys in the first test area, a downy oak wood on calcic soil with dysmull. Distribution of students in working groups and sampling of the biotic and abiotic factors of the system. Afternoon. study of the second area, a oak-beech forest on pozolic soil with dysmoder. Collection of samples and transport to the laboratory.

Second day. Morning in the third area, an oak-hornbeam forest on luvisol with oligomull, and afternoon in the last area, a maple-ash wood on the edge of the Seine, on a calcosol with eumull.

Third and fourth day. Study of samples in the laboratory with measurements of chemical and physical soil parameters, inventory of plants and soil animals.

Lessons will be recorded in French and subtitled in Italian or English. They will be published on the Paris-Saclay University website and also on that of our TESAF department so that Italian students can also listen to or download them.

Period

05/04/2021 – 23/04/2021

ETCS credits

N/A

Course fee

N/A

Course Level

Laurea in Tecnologie Forestali e Ambientali
Laurea Magistrale in Scienze Forestali e Ambientali