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Teach Mob – Visiting Professors ***Academic year 2016/2017***

2 nd Term
COURSE TITLE Plant Pathology
Scientific area Plant Pathology
Department of Agricultural, Forest and Food Sciences
Language used to teach Italian or English
Teaching Commitment: 20 hours
Course summary <p>The course of 'Plant Pathology' aims at providing 1) the ropes for the diagnosis of the main diseases of forest trees caused by invasive pathogens and 2) the insights on the mechanisms and patterns of invasion as well as on the control strategies against diseases caused by invasive pathogens. The course is organized as follows: a general part including the invasion biology and epidemiology of exotic pathogens of forest trees and a special part describing the biology, epidemiology and control of the main diseases, including chestnut blight, sudden oak death, cypress and planetree cankers, Dutch elm disease.</p> <p>Laboratory activities on the diagnosis based on symptomatology and/or molecular assays are also foreseen.</p>
Learning objectives <p>Learn the ropes 1) for the comprehension and the interpretation of the mechanisms of invasiveness of exotic pathogens of forest trees, and 2) for the diagnosis of the main diseases of forest trees caused by invasive pathogens. Learning objectives encompass insights on control strategies against diseases caused by exotic pathogens, with special emphasis on low impact strategies.</p> <p>After the course, students are expected to be able to interpret the patterns of invasion of exotic tree pathogens and to design and adopt management strategies to control the major diseases caused by invasive pathogens.</p>
Tutorship activities
Lab activities <p>Laboratory activities on the diagnosis based on symptomatology and/or molecular assays are also foreseen.</p>
Other activities besides the course: i.e. seminars and conferences addressed to PhD students and research fellows, dissemination conferences <p>Besides the Course, the Visiting Professor will held at least one seminar addressed to students of the PhD programs in Agricultural, Forest and Food Sciences and in Biological Sciences and Applied</p>

Biotechnologies.

Seminars could be open to professionals, arborists, foresters, researchers and technicians of phytosanitary service, etc.

Visiting Professor Profile

The visiting professor should have a deep knowledge on the biology and ecology of invasive tree pathogens, and on the patterns of invasion of exotic pathogens of forest trees. As the course is also expected to give an applied perspective, experience with extension programs is welcome.

Contact person at the Department

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