



## **Visiting Professor Program Academic Year 2023/2024**

**TEACHING COMMITMENT:** 24 hours

**COURSE TITLE**

**Applied Forest Science**

**TEACHING PERIOD**

1st term

**SCIENTIFIC AREA**

Forest ecology

**LANGUAGE USED TO TEACH**

English

**COURSE SUMMARY**

In this course students will learn the scientific basis, techniques, and applications of dendrochronology with special reference to dendroecology and forest dynamics. We will review the historical development and key discoveries of the field. We will study the biological basis of tree-ring research and the central principles of dendrochronology. After studying fundamental concepts students will learn about applications of dendrochronology in different disciplines via lectures and discussions.

**LEARNING OBJECTIVES**

Basic dendrochronology techniques  
Ecological use of the tree ring science

**TUTORSHIP ACTIVITIES**

N/A

**LAB ACTIVITIES**

N/A

**OTHER ACTIVITIES BESIDES THE COURSE**

N/A

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**VISITING PROFESSOR PROFILE**

Forester or tree biologist with a specialty in dendroecology, which is the study of tree rings and wood formation to infer ecological changes

**CONTACT REFERENT**

Renzo Motta

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