

yes we campus

 vannucci piante

 PISTOIA
NURSERY
CAMPUS

The Pistoia Nursery Campus

has the primary purpose of developing people through training experimental experience that uses the concepts of sharing and co-creation in which the role of teacher and participant is joined.

Our purposes

To spread green culture and the role of the Pistoia district for the care of the territory and preservation of the environment. Upgrade professionals to new trends also through the sharing of international experiences. Start up and manage research projects aimed at improving the environment. Forming young people with high potential for cultural growth of companies. Apply new methods to new technologies and new principles to training to increase performances.

Our guiding principles

A learning community: every subject who participates in the Campus is a source of information to share and develop together. Space as an instrument: each space within the Campus is designed to be an environment that serve the purpose of the training of people. Classrooms and outdoor spaces facilitate learning with the combination of technology and nature for the growth of personal potential.

Art and culture

The campus is also a space for diffusion of art and culture. Territory and environment are part of our culture, to be defended and valued. Education as a form of evolution: courses and events within the Campus will have as a principle the breaking of the schemes of traditional training, using new methods and new technologies to bring the person back to the center of education.



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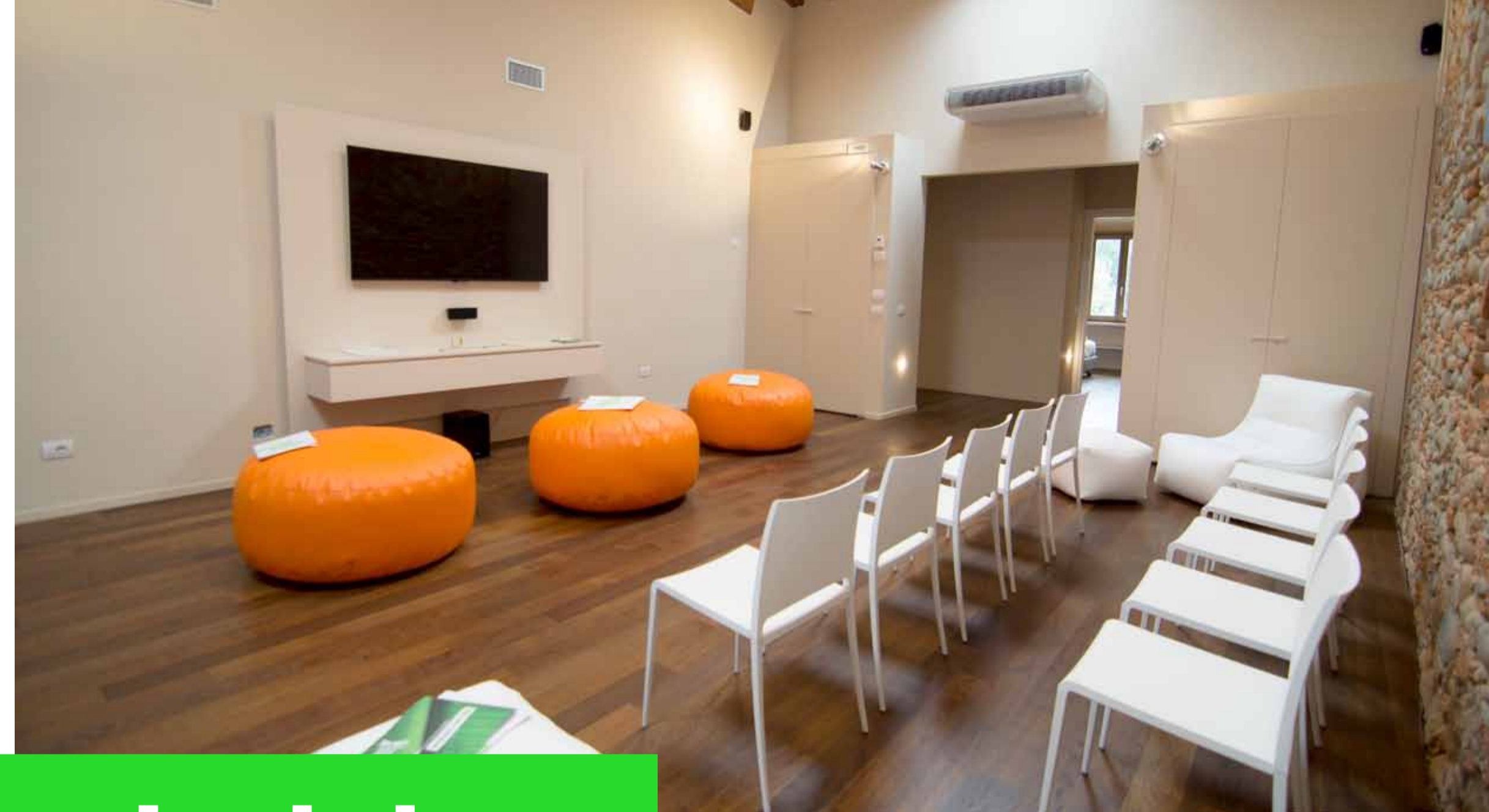
Welcome

to “your” campus

next to the park

the first nursery park in Europe

 **PISTOIA
NURSERY
PARK**

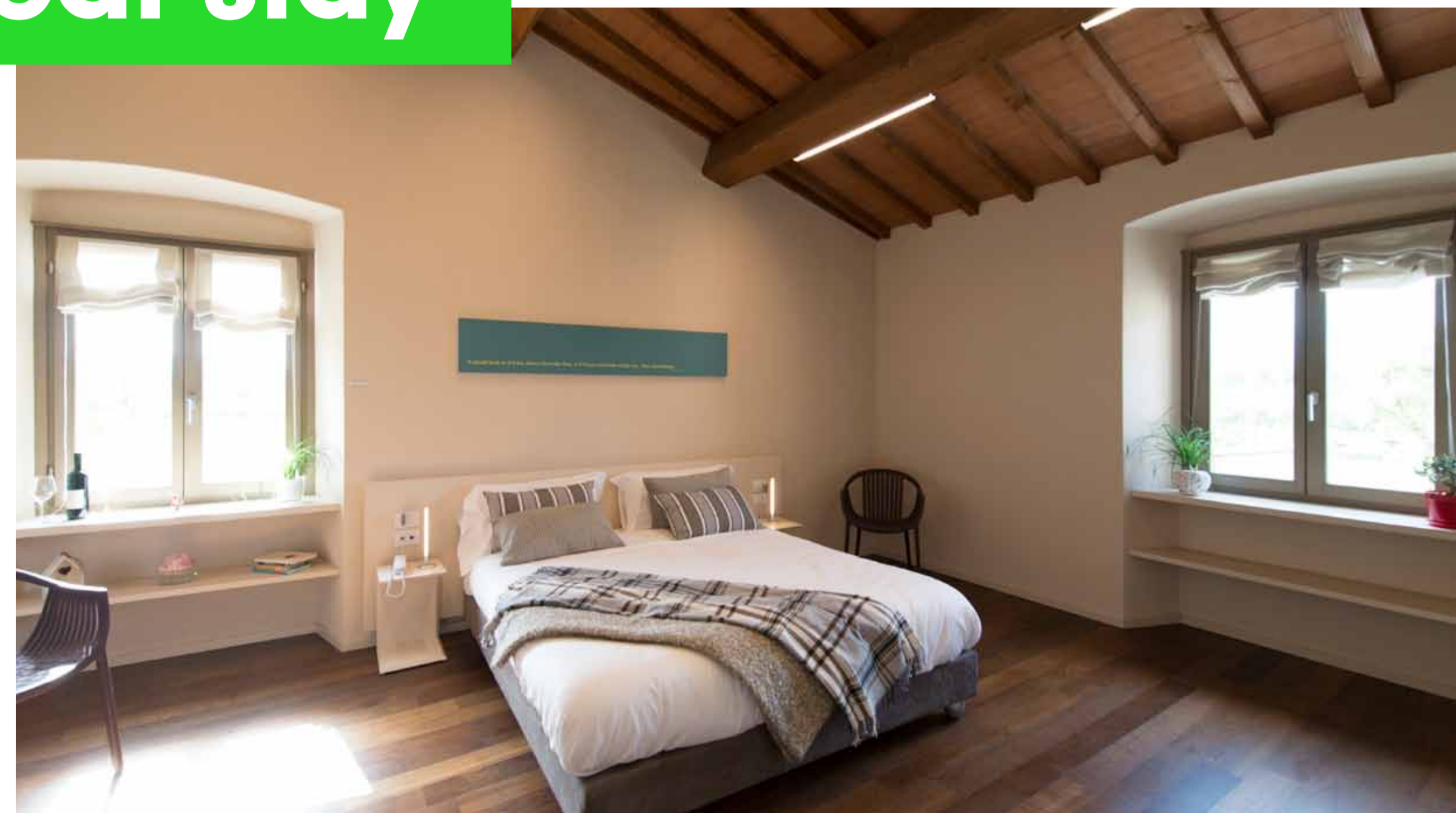
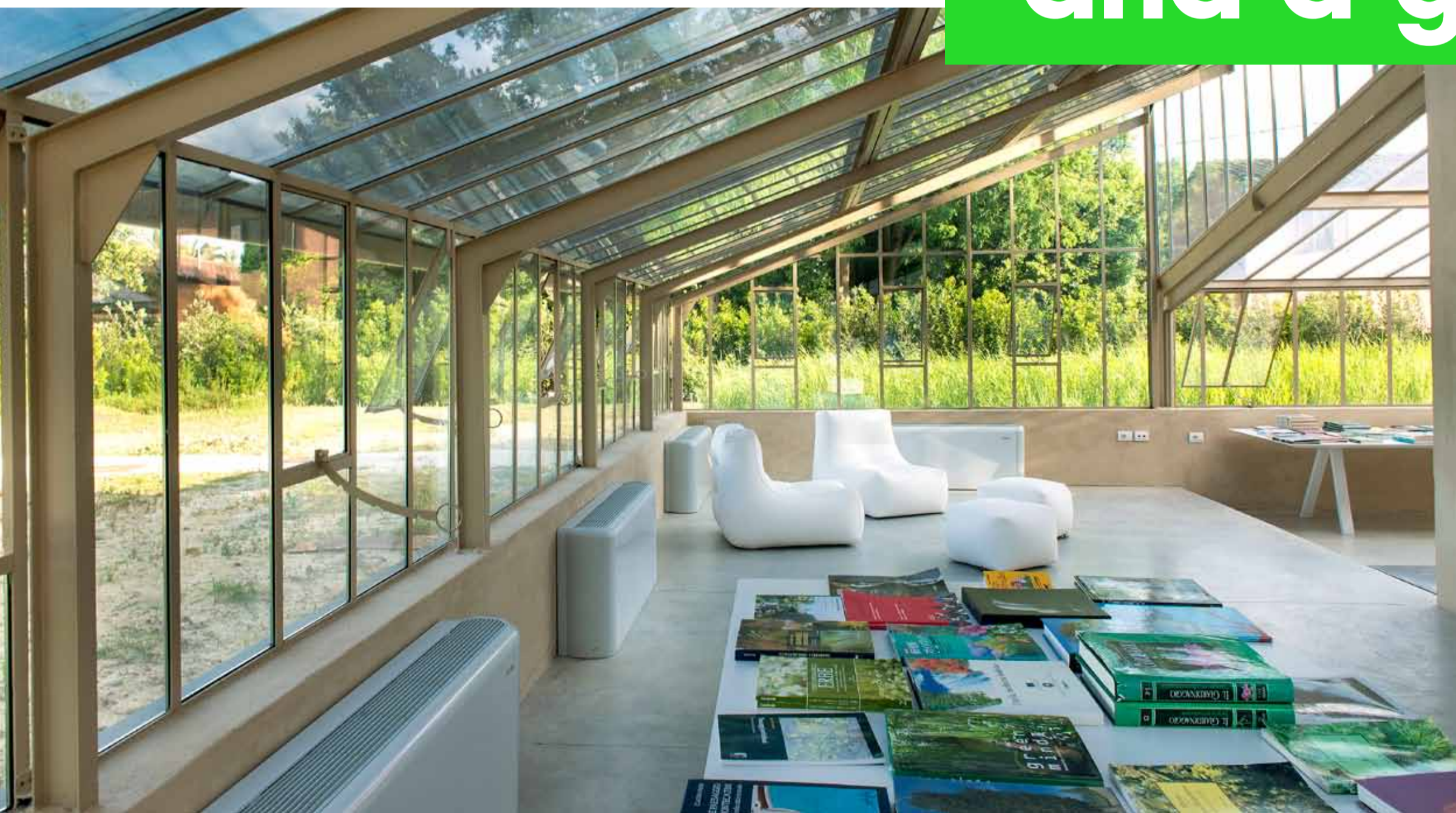


for a unique training





and a great stay

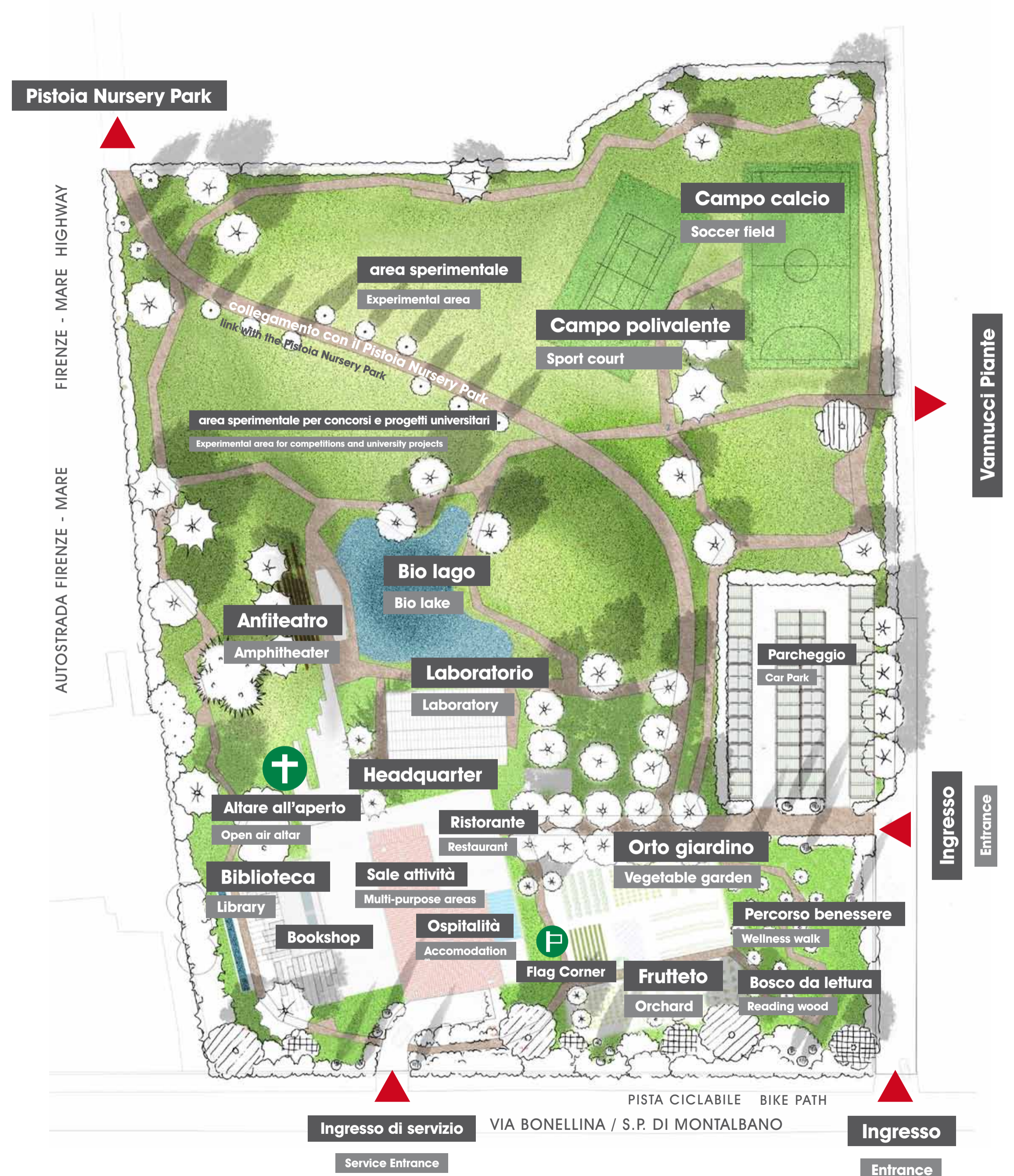


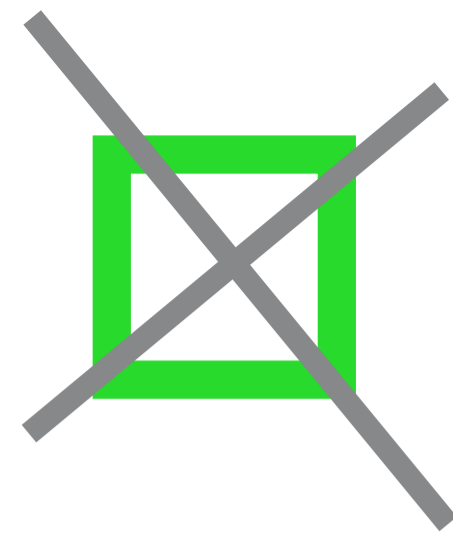


with all amenities

- A modern structure surrounded by nature and the brightness of Nursery Campus & Park, built in the respect of the environment.
- 9 rooms with bath / shower and all amenities: single, double, triple and quadruple, with air conditioning, Tvsat Lcd, Wifi, two en-suite bedrooms for disabled guests, shared kitchen, Cinema, gym room, conference rooms, Outdoor Sports area, botanical and kitchen gardens, Library

Learning is everywhere.





arrange your plan



courses - general topics

- 1. nursery techniques**
- 2. trees management**
- 3. public and private green areas**

Browse the points for each general topic, choose the ones you need and compose your course according to your interests.

1. nursery techniques



2h basic plant anatomy

- the plant cell
 - vacuole
 - chloroplasts
 - cell wall
- vegetative organs
 - roots
 - stem
 - gems
 - leaves
 - wood
 - xylem
 - phloem
 - meristems
 - tissues
- monocots

2h basic plant physiology

- photoperiodism
- quiescence
- dormancy
- phototropism
- hydraulics
 - pump k
 - evapotranspiration
- pfloem
- callus tissues

4h subsoil

- organic material
 - peat
 - fibre
- mineral material
 - lapilli
 - pumice
 - clay
- criteria for creating mixed substrates
- laboratory

2h reproductive methods

- seed
- cuttings
- graft
- micropropagation

2h plant nutrition

- macrolelements
- micrelements
- organic substance

1. nursery techniques



4h cultivation in pot

- types of pots
 - natural materials
 - synthetic materials
- standard plant pot sizes
- general standards in plant growing
 - Standard nursery plant sizes
 - number of transplants
 - number of prunings

4h open field cultivation

- cultivation projects
 - starting materials
 - planting density
 - transplanting in horticulture
 - pruning in horticulture
 - fertilizers
- types of plant growing
 - free forms
 - formal shapes

4h water management

- climate
- microclimate
- water retention capacity of the soil
- water quality
- water treatment
- water disposal
- watering methods

8h phytopathology and defence

- fungal pathology
 - leaf
 - root system
 - systemic
- harmful insects
- physiopathology
 - nutritional deficiencies
 - weather related damages
- prevention, treatment and containment

2.

tree management



4h

site analysis

- sun exposure
- study of the soil (pedology, soil science)
- disposition
- volume needed for the rooting system
- volume needed for the tree above ground
- accessibility for maintenance

4h

project planning

- needs assessment
- fruitive potential
- resource analysis
- choice of species/varieties
- maintenance requirements
- choice of planting density
- specification

4h

planting

- selecting nursery plants
- management of pre transplantation phase
- types of planting holes and common errors
- transplanting
- subsoil and filling of the hole
- anchorage in ground/above ground

2h

post transplant assistance and curing

- irrigation
- fertilizers
- growth monitoring

2h

census and tree register

- reasons for registration of trees
- plant register
- data base
- maintenance alert

2. tree management



8h urban tree management: pruning techniques

- ecosystem services
- wellbeing and safeguarding of trees

pruning

- remarks of plant physiology
- compartmentalization of disease in trees
- types of cutting
 - pollarding
 - coppicing
 - other

types of pruning

- crown thinning
- pollarding
- aim of pruning
- breeding
 - free form
 - formal shapes
- reduction
- deadwood removal
- reduction

8h valuation of the stability of trees

- biomechanical hints
- evaluation methods
- evaluation of risks and danger
- critical points
- evaluation board
- diagnostic tools
- evaluating criteria
- technical prescriptions
- data management

3.

public and private green areas

progettazione



2h

site analysis

- Meteoclimatic data
- Exposure
- Wind
- Soil and substrates
- Surrounding vegetation analysis
- Water availability

2h

definition of the project goals and objectives

- Target
- Customer requirements
- Financial resources
- Conceptual design

2h

feasability study

- Regulatory analysis, constraints
- Budget Definition

4h

outdoor plants/landscape

- Structuring of spaces and functions
- Visual and path links
- Vegetation
- Examples and case studies

2h

indoor plants/interiorscape

- Brightness
- temperatures
- Humidity
- Flow of ventilation

2h

winter garden

- Historical evolution
- Vegetative choices and aesthetic composition
- Examples

2h

green roof

- Peculiarities and problems
- Stratigraphies
- Water resources management
- Patented systems

3.

public and private green areas



green management in particular contests

2h vertical green

- Features and examples

2h furnishing and structures

6h design workshops

2h maintenance

- Types of vegetation
- Maintenance equipment
- Maintenance costs

2h maintenance management problems

- Timings and modes
- Compatibility with presence of guests
- Personnel Management

1h performance

- Aesthetic enhancement
- Ecosystem services

1h economic sustainability

- Extensibility and intensity concepts
- Economic quantification of resources required for plant and maintenance

3h phytopathology

- Main pathologies of plants
- Environmental compatibility of plant protection management

1. nursery techniques

- basic plant anatomy 2 ore
- basic plant physiology 2 ore
- subsoil 4 ore
- reproductive methods 2 ore
- plant nutrition 2 ore
- cultivation in pot 4 ore
- cultivation in open field 4 ore
- water management 4 ore
- phytopathology and defence 8 ore

2. tree management

- site analysis 4 ore
- project planning 4 ore
- planting 4 ore
- post transplant assistance and curing 2 ore
- census and tree register 2 ore
- urban tree management, pruning techniques .. 8 ore
- valuation of the stability of trees 8 ore

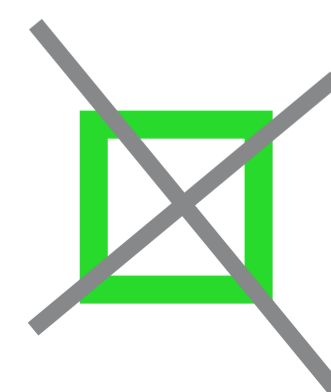
3. public and private green areas

project

- site analysis 2 ore
- definition of the project goals and objectives 2 ore
- feasibility study 2 ore
- outdoor plants/landscape 4 ore
- indoor plants/interiorscape 2 ore
- winter garden 2 ore
- green roof 2 ore
- vertical garden 2 ore
- furnishing and structures 2 ore
- design workshops 6 ore

green management in particular contexts

- maintenance 2 ore
- maintenance management problems 2 ore
- performance 1 ore
- economic sustainability 1 ore
- phytopathology 3 ore



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Info and rates: education@nurserycampus.it

**Via Bonellina, 116 - 118 _ 51100 Pistoia _ Italy
Tel. +39 0573 382212
nurserycampus.it**