

**PROGRAMMA DEL CORSO DI INGLESE TECNICO PER L'AGRICOLTURA PER I DOTTORANDI DI RICERCA DEL DIPARTIMENTO SAAF**

**Prof. Riccardo Lo Bianco**

**1 The plant**

The leaf  
The stem  
The roots  
The flower  
The fruit

**2 Plant life cycle**

Plant propagation  
Development and phenology

**3 Plant environmental physiology**

The water cycle (hydrological cycle)  
The carbon cycle  
The nitrogen cycle  
Mineral nutrients

**4 Soils and their properties**

Soil texture  
Soil structure  
Soil biology  
Soil amendments  
Orchard floor management

**5 Classification of agricultural crops**

Botanical classification of crops  
Descriptive classification of crops  
Agricultural classification of plants  
Alphabetical list of crops

**6 Irrigation systems**

Surface irrigation  
Sprinkler irrigation  
Drip irrigation  
Functioning of irrigation systems

**7 Agricultural machinery**

Traction and power  
Tracked tractor / Caterpillar tractor  
Soil tillage  
Planting

Fertilizing and Pest Control  
Produce sorter  
Harvesting/post-harvest104  
Hay making  
Milking

## **8 Grapevines**

Grapevine morphology  
Vineyard establishment  
Harvesting

## **9 The Process of winemaking or vinification**

Initial stages (for all wines)  
White wine  
Red wine  
Sparkling wines  
Fortified wines

## **10 The olive**

Fruit chemical composition  
Olive harvest  
Olive oil extraction  
Olive oil taste / aroma  
Table olives

## **11 Farm animals (livestock)**

Digestive system  
Cattle farming systems  
Calving or Parturition

## **12 Making cheese**

Controlled feeding  
Production steps

## **13 Pasta**

Processing wheat into pasta  
Early steps  
Milling  
From semolina to pasta  
The continuous press  
Main proteins in semolina  
Absorption of water  
Premixing  
Mixer  
Extrusion  
Extrusion parameters  
Hanging/pre-drying15  
Drying

Types of pasta

#### **14 Insect morphology**

External parts of an insect

Internal parts of an insect

#### **PARTE ESERCITATIVA**

Quiz e test su ogni argomento svolto mediante la applicazione Socrative Student su smartphone.  
Conversazione su argomenti proposti.

**Il corso inizierà il giorno 11 aprile 2023 in aula D (ex meccanica) con il seguente orario per le prime due settimane (11-14 e 17-21 aprile):**

Martedì 11:00-13:00

Mercoledì 11:00-13:00

Giovedì 11:00-13:00

Venerdì 10:00-12:00

Lunedì 10:00-12:00

Martedì 11:00-13:00

Mercoledì 11:00-13:00

Giovedì 11:00-13:00

Venerdì 10:00-12:00

A seguire, da giorno 24 aprile in poi, giorni, orari e aula verranno subordinati alla disponibilità del dipartimento SAAF e rideterminati di conseguenza.