

## Tropical botany (I-st Year of study, II-st SEMESTER)

Credit value (ECTS) 3

### Course category

Facultative

### Course holder:

Assist. Prof. Dr. Paraschiv Nicoleta Luminita

### Discipline objectives (course and practical works)

The course aims to make students acquire the necessary skills to explore various aspects of plant organs, in terms of morphology and anatomy. The acquisition of students of the main taxons from the tropical area. It aims to promote a positive attitude in the knowledge of this discipline for attracting the students to a level of study of high standards, applying the latest information and equipment in the field.

### Conținutul disciplinei (programa analitică)

Course (chapters/subchapters)
The object of study, the history and the importance of tropical and subtropical plants.
Climate, soil and vegetation issues in the warm climate zone
Peculiarities of dense evergreen vegetation in forests
Peculiarities of savannah vegetation
Peculiarities of vegetation in desert areas.
Peculiarities of Mediterranean vegetation.
Pistachio culture ( <i>Pistacia vera</i> L.)
Carob culture ( <i>Ceratonia siliqua</i> )
Lemon culture( <i>Citrus limon</i> L.)

Lucrări practice
Main tropical and subtropical fruit-tree species: - banana ( <i>Musa sapientum</i> L.), pineapple( <i>Ananas sativus</i> Schult.), avocado( <i>Persea americana</i> Mill.), mango( <i>Mangifera indica</i> L.), papaya( <i>Carica papaya</i> L.), coconut ( <i>Cocos nucifera</i> L.), date ( <i>Phoenix dactylifera</i> L.)
Main aromatic and spice species: - pepper ( <i>Piper nigrum</i> L.), vanilla ( <i>Vanilla planifolia</i> Andrews.), cinnamon tree ( <i>Cinnamomum zeylanicum</i> Breyn.), clove tree ( <i>Syzygium aromaticum</i> L.), nutmeg tree ( <i>Miristica fragans</i> Houtt.), laurel ( <i>Laurus nobilis</i> L.)
Main species of tonic-stimulating species: - cocoa ( <i>Theobroma cacao</i> L.), cola ( <i>Cola</i> spp.), coca ( <i>Erythroxylum coca</i> Lam.), coffee ( <i>Coffea</i> spp.L.), tea ( <i>Thea chinensis</i> L.)
<b>Final colloquium of knowledge evaluation.</b>

### **Bibliography**

- 1 **Mititelu D., Chifu T.**, 1981-*Flora tropicala si subtropicala-curs litogr.*, Univ. "Al. I. Cuza" Iași
2. **Tarziu D.**, - 1983- *Padurile tropicale*, Ed.Ceres,Bucuresti
3. **Turcu Gh.**, 1980 – *Curs de botanica tropicala si subtropicala*-Instit.Agron.Bucuresti.

### **Evaluation**

<b>Evaluation form</b>	<b>Evaluation Methods</b>	<b>Percentage of the final grade</b>
Exam	Oral examination	60%
Appreciation of the activity during the semester	Oral assessment during the semester, verification tests and final laboratory colloquium.	40%

### **Contact**

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