

## THE BASES OF HORTICULTURE,( Horticulture, Year I, Sem. II)

**Credit value (ECTS): 4**

**Domain discipline: optional**

**Course holder: Professor PhD. Mihai ISTRATE**

### **Discipline objectives (course and applications):**

To acquire the knowledge regarding the Principles of horticulture and their importance in the economy.

To acquaint students from the first year of study with the general notions of horticulture

To present to the students general notions regarding the horticultural production sectors: fruit growing; viticulture and oenology, vegetable growing, floriculture, ornamental arboriculture and landscape architecture

### **Contents )syllabus)**

<b>COURSE (Chapters / subchapters)</b>
<b>1. Introductory notions</b> 1.1. Definition of horticulture 1.2. The history of horticulture 1.3. The role and place of horticulture in agriculture 1.4. Horticulture, cumulative science
<b>2. Horticultural production systems</b> 2.1. The fruit system 2.2. The wine system 2.3. The vegetable system 2.4. The flower system 2.5. The dendrological system
<b>3. Horticultural processing technologies</b>
<b>4. Biotechnologies in horticulture</b>
<b>5. Mechanization of horticulture</b>
<b>6. Protection of horticultural plants</b>
<b>7. Improvement of horticultural plants</b>
<b>8. Organic horticulture and jobs</b>
<b>Practical work</b>
1. The fruit system 2. The wine system 3. The vegetable system 4. The flower system 5. The dendrological system 6. Horticultural processing technologies 7. Biotechnologies in horticulture 8. Mechanization of horticulture 9. Protection of horticultural plants 10. Improvement of horticultural plants 11. Organic horticulture 12. Horticulture and jobs

## Bibliography

**Dejeu, L. , 2009**– Viticultur practic Editura: Bucuresti : Editura Ceres .

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**Istrate M., 2007** - Pomicultur general . Editura „Ion Ionescu de la Brad”, Ia i.

**Kiselev G.E., 1956** –Floricultura. Editura Agro-Silvica de Stat, Bucuresti.

**Mili iu Amalia, Ailinc i Natalia, 1967** – Floricultur , Editura Didactic i Pedagogic , Bucure ti.

**Parnia P. i colab.,** - Producerea, p strarea i valorificarea materialului s ditor pomicol i dendrologic, Ed. Ceres, Bucure ti, 1992.

**Sumedrea D. (Coord.),Isac Il., Iancu M.,** Pomi, arbu ti fructiferi, cãp un : ghid tehnic i economic. Invel Multimedia, 2014 Bibliogr. ISBN 978-973-1886-82-4.

**Stoleru V., 2013** –Managementul sistemelor legumicole ecologice. Edit. Ion Ionescu de la Brad, Ia i. ISBN 978-973-147-118-1.

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## Final Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Verification along the way	60 %
Practical work	Colloquium	40 %

## Contact

**Professor PhD. ISTRATE MIHAI**

Faculty of Horticulture - USAMV Ia i

Aleea Mihail Sadoveanu nr. 3, Ia i, 700490, România

telefon: 0232407 429 birou USAMV, fax: 0040 232 407506

E-mail: [mistrate@uaiasi.ro](mailto:mistrate@uaiasi.ro)