

## **SPECIAL VEGETABLE GROWING I (Horticulture, the fourth year of study, first semester)**

**Credit value (ECTS): 6**

**Course category: compulsory**

**Course holder: Prof. Neculai MUNTEANU, PhD**

### **Discipline objectives (course and practical works):**

Discipline objectives are focused on the students teaching from the Horticulture Faculty, on: the crop of the vegetable plants for tuberized root, crop of the cole group, crop of the onion group, crop of the plants for tuberculs and tuberized roots, crop of the cucurbits vegetable plants, crop of the solanaceous vegetable plants.

The specific knowledge for each vegetable species, from the vegetable plant group are referring to: importance of the vegetable crop, origins and spreading area, biological features, ecological exigency, assortment and cultivation technology.

### **Contents (syllabus)**

<b>COURSE (chapters/subchapters)</b>
<b>Introduction to the special vegetable growing</b> Course object. Definitions. Short history. Links to other disciplines. Research methods.
<b>Crop of the vegetable plants for tuberized roots</b> Carrot. Root parsley. Parsnips. Root celery. Radishes (early, summer and winter types). Red beetroot.
<b>Crop of the onion group</b> Common onion. Common garlic. Leek. Shallot. Rocambole onion. Winter onion. Egypt garlic.
<b>Crop of the vegetable plants for tuberculs and tuberized roots</b> Early potato. Batatas / Sweet potato.
<b>Crop of the cole group</b> White cabbage. Red cabbage. Savoy cabbage. Brushels sprout. Kale. Cauliflower. Broccoli. Kohlrabi. Chinese cabbage.
<b>Crop of cucurbits vegetable plants</b> Cucumber. Melon. Water melon. Zucchini. Patison zucchini. Butternut squash.
<b>Crop of the <i>solanaceous</i> vegetable plants</b> Tomato. Pepper. Eggplant/ Aubergine.
<b>Practical works</b>
General presentation of the vegetable plants
Vegetable assortment of species, varieties and cultivars for tuberized roots
Vegetable assortment of species, varieties and cultivars of the cole group
Vegetable assortment of species, varieties and cultivars of the onion group
Vegetable assortment of the plants for tuberculs and tuberized roots
Assortment of the species, varieties and cultivars of cucurbits vegetable plants
Assortment of the species, varieties and cultivars of solanaceous vegetable plants

### **Bibliography**

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3. Beceanu D., Balint G., 2000 – Valorificarea în stare proasp t a fructelor, legumelor i florilor. Editura “Ion Ionescu de la Brad”, Iasi.

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10. Munteanu N., 2003 – Tomatele, ardeii i p tl gelele vinete. Editura “Ion Ionescu de la Brad”, Ia i.
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21. x x x - Revista „Hortinform”- PHR, 2000-2019.
22. x x x - Lucr ri tiin ifice USAMV Ia i, Horticultur , 2000-2019.

## Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	60%
	Presence	10%
Practical works	Tests + course and practical	30%

## Contact

**Prof. Neculai MUNTEANU, PhD**

Faculty of Horticulture - USAMV Iasi

3 M. Sadoveanu Alley, Iasi, 700490 postal cod, Romania

Tel: 0232407478, fax: 0040 232 407374

E-mail: nmunte@uaiasi.ro

## **SPECIAL VEGETABLE GROWING II (Horticulture, the fourth year of study, second semester)**

**Credit value (ECTS): 4**

**Course category: compulsory**

**Course holder: Prof. Neculai MUNTEANU, PhD**

### **Discipline objectives (course and practical works):**

Discipline objective are focused on the student teaching from the Horticulture Faculty on: crop of the vegetable plants for pods, green grains and capsules; crop of leafy vegetable plants; crop of condimentary and spice vegetable plants, crop of the vegetable perennial plants, crop of the sweet corn and crop of edible mushrooms.

The specific knowledge for each vegetable species, from the vegetable plant group are referring to: importance of the vegetable crop, origins and spreading area, biological features, ecological exigency, assortment and cultivation technology.

### **Contents (syllabus)**

<b>COURSE (chapters/subchapters)</b>
<b>Introduction to the Special Vegetable Growing</b> Importance of the future vegetables in the course. Evolution of the results from the first semester.
<b>Crop of the vegetable plants for pods, green grain and capsules</b> Garden pea. Garden bean. Garden broad beans. Okra.
<b>Crop of the leafy vegetables</b> Lettuce. Spinach. Orache. Chicory. Celeriac. Mangold. Leafy parsley. Cardon. Florence fennel. Garden cress. Water cress.
<b>Crop of condimentary and spice vegetable plants</b> Dill. Savory. Thyme. Chervil. Bassil.
<b>Crop of vegetable perennial plants</b> Asparagus. Rhubarb. Horse radish. Artichoke. Tarragon. Lovage. Sorrel. Stevia / <i>Rumex patientia</i> .
<b>Crop of sweet maize</b>
<b>Crop of edible mushrooms</b> Agaric mushrooms ( <i>Agaricus</i> ). Gray mushrooms ( <i>Pleurotus</i> ). <i>Stropharia</i> mushrooms. <i>Collybia</i> mushrooms.
<b>Practical works</b>
General presentation of the vegetable plants
Vegetable assortment of species, varieties and cultivars for pods, green grain and capsules
Vegetable assortment of species, varieties and cultivars for leafy vegetables
Vegetable assortment of species, varieties and cultivars for condimentary and spice vegetable plants
Vegetable assortment of species, varieties and cultivars for vegetable perennial plants
Assortment of the varieties and cultivars for sweet maize
Assortment of the species and varieties for edible mushrooms
<b>Project</b>
Goal and objectives. Project plan
Study on the environmental conditions
Technological file
Table of income and cost
Final analysis of the project

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