

# **PLANT MORPHOLOGY AND ANATOMY (Ist Year, Ist SEMESTER)**

**Credit value (ECTS) 5**

## **Course category**

Domain (Imposed)

## **Course holder:**

**Assist. Prof. Dr. Paraschiv Nicoleta Luminita**

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

The course aims to provide students with studying various aspects of plant organs, morphologically and anatomically, point of view. It aims to promote a positive attitude in the field knowledge of this discipline, in the sense of attracting students for a level of study to high standards by applying the newest information and equipment in the field.

## **Contents (syllabus)**

<b>Course (chapters/subchapters)</b>
<b>The object of study, the history and the importance of the morphology and anatomy of plants.</b>
<b>General notions on the histology of vegetable</b>
<b>The morphology and anatomy of vegetative organs and of multiplication of the plants</b>
<b>Root</b> : morphology and anatomy
<b>Stem</b> : morphology and anatomy
<b>Leaf</b> : morphology and anatomy
<b>Flower</b> : morphology and anatomy
<b>Fruit</b> : morphology and anatomy
<b>Seed</b> : morphology and anatomy

<b>Practical works</b>
<b>Presentation of the laboratory of Botany : work safety rules; Laboratory equipment and utensils; good practice working in botany</b>
<b>Optical microscope</b> . Presentation and working practices
<b>Tissues vegetable</b>
<b>Root</b> : morphology and anatomy
<b>Stem</b> : morphology and anatomy
<b>Leaf</b> : morphology and anatomy
<b>Flower</b> : morphology and anatomy
<b>Fruit</b> : morphology and anatomy
<b>Seed</b> : morphology and anatomy
<b>Final colloquium of knowledge evaluation</b>

## Bibliography

- 1 Alexiu V., 2000- *Morfologia și anatomia plantelor*, Ed. Culturală Pitești.
2. Niță Mihaela, Rodica Rugină, Lăcrămioara Ivănescu, Naela Costică, Toma C., 1997- *Morfologia și anatomia plantelor, editia 1*, Ed. Univ. "Al. I. Cuza" Iași
- 3.. Niță Mihaela, Rodica Rugină, Lăcrămioara Ivănescu, Naela Costică, Toma C., 2003- *Morfologia și anatomia plantelor, editia 2*, Ed. Univ. "Al. I. Cuza" Iași
4. Turenschi E., Pascal P., Sîrbu C., Paraschiv Luminița-Nicoleta, 1998 - *Botanică.-Lucrări practice*-Univ. Agron. Iași.
- 5.. Toma C., 1975, 1977 – *Anatomia plantelor: I, II*. Univ. "Al. I. Cuza" Iași
6. Zanoschi V., Toma M., 1990 - *Curs de Botanică. Partea I -a, Anatomie și Morfologie*. Inst. Agron. Iași

## Evaluation

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

## Contact

**Assist. Prof. Dr. Paraschiv Luminita Nicoleta**  
Facultatea de Agricultură - USAMV Iași  
Aleea Mihail Sadoveanu nr. 3, Iași, 700490, România  
telefon: 0040 232 407436  
E-mail: [luminico2003@yahoo.com](mailto:luminico2003@yahoo.com)