

...Vegetable growing in greenhouses and polytunnels

(Specialization Horticulture 4th Year of study, 2nd Semester)

Credits (ECTS): 2

Course category:
Specialized discipline (optional)

Course holder:
Associate professor PhD. Teodor Stan

Objectives of the discipline: The course and the practical works from the discipline: "Vegetable growing in greenhouses and polytunnels" are addressed, optionally, to fourth-year students from the Faculty of Horticulture who want to enrich their knowledge with special elements of technology of vegetable crops in greenhouse and polytunnels .

Theoretical and practical training of students with general and special elements of the cultivation of vegetable plants in greenhouses and solariums. The course and the practical works refer to the technical-material basis, the biological and ecological bases, the technological and managerial bases of forced crops. Each of the most important vegetable crops amenable to the system of protected crops will be treated in particular

Contents (syllabus)

Course (chapters/subchapters)
Chapter 1. Introduction to the protected culture of vegetable plants
Chapter 2. The technical-material base of forced crops
Chapter 3. Biological and ecological bases in forced culture
Chapter 4. Microclimate in greenhouses and adjustment possibilities
Chapter 5. Cultivation systems in protected areas
Chapter 6. The general technology of forced crops
Chapter 7. Solanaceous vegetable culture
Chapter 8. The culture of cucumbers, melons and beans
Chapter 9. The culture of vegetables from the cabbage group
Chapter 10. The culture of green vegetables
Chapter 11 Cultivation of other vegetables

Practical activity
1. Knowledge of the technical-material basis
2. The production of seedlings for forced crops

3. Establishment of vegetable cultivation in greenhouses
4. General and special care works
5. Harvesting vegetables from forced crops

Bibliography

1. CIOFU RUXANDRA, STAN N. și colab. – *Tratat de legumicultură*, Editura Ceres, București, 2003
2. STAN N.,STAN T. – *Legumicultură, generala*, Editura "Ion Ionescu de la Brad", Iași, 2010
3. STAN T. - *Tehnologia cultivării legumelor*. Editura ALFA Iași, 2005
4. STAN N.,STAN T. – *Legumicultură, vol.I, Editura "Ion Ionescu de la Brad", Iași, 1999*
5. STAN N. - *Legumicultură generală. Lucrări practice. Institutul Agronomic Iași, 1987*
6. STAN N., MUNTEANU N. - *Legumicultură,vol.II,Editura "Ion Ionescu de la Brad",Iași, 2001*
7. STAN N., MUNTEANU N., STAN T. – *Legumicultură, vol III, Editura "Ion Ionescu de la Brad",Iași, 2003.*

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Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Final exam	Written	70%
Evaluation of the activity during the semester	Written and oral assessments during the semester	30%

Contact

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