

Modern technologies of oilseeds and pod-bearing(Ind Year of study, II semester)

Credit value (ECTS) 5

Course category

Domain (Imposed)

Course holder:

Prof. Dr. Teodor ROBU

Discipline objectives (course and practical works)

In the framework of the course aim at learning by the students of knowledge regarding the latest technologies suitable for the species of pod-bearing and oilseeds. At the same time discipline aims to provide the students theoretical and practical methods used in developing cultivation technology of oilseeds and pulses, both worldwide and locally, but in specific pedoclimatic.

The works aim at practical learning by students of knowledge concerning design and execution a technological trail both pod-bearing and oilseeds under an intensive farms.

Contents (syllabus)

Course (chapters/subchapters)
Phytotechny: importance, object, research methods, contact with other disciplines.
Pod-bearing plants: importance, spreading, biological particularities.
Specific technologies common pod-bearing.
Lens and latirus: importance and spreading, systematic, varieties grown, requirements for vegetation factors, modern cultivation technologies.
Gram cik-pea and lupine:importance and spreading, systematic, varieties grown, requirements for vegetation factors,modern cultivation technologies.
Grain and peanut:importance and spreading, systematic, varieties grown, requirements for vegetation factors,modern cultivation technologies.
Cowpea and mungo:importance and spreading, systematic, varieties grown, requirements for vegetation factors,modern cultivation technologies.
Oilseeds plant.
Mustand and castor: importance and spreading, systematic, varieties grown, requirements for vegetation factors,modern cultivation technologies.
Sesame and false saffron:importance and spreading, systematic, varieties grown, requirements for vegetation factors,modern cultivation technologies.

Practical works
Designing a technological route for pod-bearing in an intensive farm.
Designing a technological route for oilseeds in a intensive farm.
Final colloquium of knowledge evaluation.

Bibliography

1. Axinte M. și colab., 2006 – Fitotehnie, Ed. “Ion Ionescu de la Brad”, Iași.
2. Axinte M., și colab. 2002 - Fitotehnie - Lucrări practice - partea I , U.S.A.M.V. Iași.
3. Bîlteanu Gh.,1998 – Fitotehnie, vol. I, Ed. Ceres, București.
4. Bîlteanu Gh., și colab., 1991 – Fitotehnie, Ed. Didactică și Pedagogică, București.
5. Mogârzan Aglaia și colab., 2010 - Fitotehnie – Îndrumător pentru lucrări practice, Ed. “Ion Ionescu de la Brad”, Iași.
6. Muntean L.,1995 – Mic tratat de Fitotehnie, vol. I – Cereale și leguminoase pentru boabe, Ed.Ceres, București.
7. Munteanu L., Bercean I., Axinte M., Roman Gh.– “Fitotehnie”- Editura Ion Ionescu de la Brad, Iași, 2001.
8. Roman Gh., Dumbrava M.,- “Controlul calității semințelor destinate semănatului”– USAMV, București, 19985. Sin Gh. (colectiv)
9. Sin Gh. – Managementul tehnologic al culturilor de câmp, Ed. Ceres, Bucuresti, 2005.

Alte publicații

10. Cereale si plante tehnice (revistă)
11. Cercetări agronomice în moldova.(revistă)
12. Lucrări științifice - publicații anuale ale universităților agronomice din Iași, București, Cluj-Napoca, Timișoara, Craiova.
13. Analele ICCPT - Fundulea
14. Agronomy Journal - USA
15. Rivista di Agronomia - Italia
16. Anuarul Statistic al României

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Exam	Written 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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