

SEED CONTROL AND CERTIFICATION

(IInd Year of study, IIIrd Semester)

Credit value (ECTS): 7

Course category:

Thoroughgoing study (Imposed)

Course holder:

Lecturer Dr. Lucian Emil CRETU

Discipline objectives (course and practical works)

The aim of the course is to have students acquire theoretical and practical knowledge on technical particular rules for seed control and certification to mainly cultivated species in Romania. Students will also study the modern analyses methods of genetical structure of cultivars.

Practical works seek to familiarize students with technical work in seed laboratories and knowledge of general notions relating to determination and evaluation of the genetical resources who are used in seeds control and certification, also the items regarding legislative layouts and scientific research in this domain.

Contents (syllabus)

Course (Chapters/subchapters)
Particular technical rules for agricultural crops: cereals, leguminous plants, oilseeds plants, seed potatoes, sugar beat
Particular technical rules for horticultural crops: vegetables, fruit growing trees, grape vine
Particular technical rules for feeding crops: clover, alfalfa, sorghum, feeding beat, mixed feeding legumes

Practical works
The presentation of the seed laboratory; work safety rules; laboratory ustensils and equipment; good practice working in seed control laboratory.
Modern analyses methods of genetically cultivars structure.
Biological purity of seeds determination.
Final colloquium of knowledge evaluation.

Bibliography

1. Crețu A. și colab., 2000 – Plant breeding, seed production and multiplication. Ed. Ion Ionescu de la Brad Iași
2. Leonte C., 1996, - Horticol plants breeding. Ed. Did. și Pedagogică București
3. Leonte C., 2003, - Plant breeding. Ed. Ion Ionescu de la Brad Iași
4. Savatti M. și colab., 2004 – Plant breeding treatise. Ed. Marineasa Timișoara
5. Law no 266/2002 republished concerning the seed production, seed processing, seed control and quality seed certification, seed marketing and plant omolagation and recording
6. www.incs.ro/incshome.htm (romanian and european seed control laws)

Final evaluation

Evaluation form	Evaluation methods	Percentage of the final grade
Exam	Oral examination	60%
Activity appreciation during the semester	Oral assessment during the semester, verification tests and final laboratory colloquium	40%

Contact

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