

## Modern technologies at technical plants (IInd Year of study, IIIrd Semester)

Credit value (ECTS) 9

### Course category

Domain (Imposed)

### Course holder:

Assoc. prof. PhD Marius Sorin ZAHARIA

### Discipline objectives (course and practical works)

The course aims to make students acquire knowledge on modern methods of establishing technical crops and their care work.

Practical work aims in qualifying for route planning technology at technical plants.

### Contents (syllabus)

Course (chapters/subchapters)
<b>TEXTILE PLANTS</b> - Importance, spreading. <i>Flax fiber</i> : importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<i>Hemp for fiber</i> : importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<b>TUBERCULIFERE AND ROOTS PLANTS</b> <i>Potato</i> : importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<i>Sugar beet</i> : importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<i>TOBACCO</i> : importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<i>HOPS</i> : importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.

Practical works
The stages of organizing a technological route: establishing the structure crop, land choice.
Establish the type and scheme of crop rotation and framing crop in the rotation.
Employment fertilization system in the crop rotation.
Employment tillage system in crop rotation.
Designing a technological route for technical plants into a intensive farm.
Designing a technological route for technical plants into a intensive farm.
<b>Final colloquium of knowledge evaluation</b>

### Bibliography

1. Axinte M., Roman Gh.V., Borcean I., Muntean L. S., 2006 – *Fitotehnie*, Ed. “ Ion Ionescu de la Brad”, Iași.
2. Bîlteanu Gh., și colab., 1991 – *FITOTEHNIE*, vol. II, Ed. Didactică și Pedagogică, București.

3. Zaharia M.S., Aglaia Mogârzan, T. Robu, 2011 – *Fitotehnie – Lucrări de laborator*. Editura „Ion Ionescu de la Brad” Iași.
4. Zaharia M.S., 2011 – *Tehnologia culturilor de câmp*. Editura „Ion Ionescu de la Brad” Iași.

### 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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