

## Modern technologies for cereal growing (I<sup>st</sup> YEAR, I<sup>st</sup> SEMESTER)

Credit value (ECTS) 5

### Course category

Domain (Imposed)

### Course holder:

Assoc. prof. PhD Mogârzan Aglaia

### Discipline objectives (course and practical works)

The course aims to make students acquire knowledge on modern methods of setting up cereal crops and their care work.

Practical work aims at acquiring knowledge necessary for designing technological routes grain.

### Contents (syllabus)

Course (chapters/subchapters)
<b>CEREALS</b> – Importance and spread. The biological peculiarities.
<b>Wheat:</b> importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<b>Rye, Triticale:</b> importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<b>Barley, Oats:</b> importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<b>Corn:</b> importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.
<b>Sorghum, rice, millet:</b> importance, spreading, biological peculiarities, systematic requirements for vegetation factors, modern cultivation technologies.

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

### Bibliography

1. Aglaia Mogârzan, T. Robu, M. Zaharia, 2010 – *Fitotehnie – Îndrumător pentru lucrări practice*. I.S.B.N. 978-973-147-0580, Editura „Ion Ionescu de la Brad” Iași.
2. Axinte M., Roman Gh.V., Borcean I., Muntean L. S., 2006 – *Fitotehnie*, Ed. “ Ion Ionescu de la Brad”, Iași.

3. M.S. Zaharia, Aglaia Mogârzan, T. Robu, 2011 – *Fitotehnie – Lucrări de laborator*. I.S.B.N. 978-973-147-092-4, Editura „Ion Ionescu de la Brad” Iași.
4. M.S. Zaharia, 2011 – *Tehnologia culturilor de câmp*. I.S.B.N. 978-973-147-094-8, 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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