

Agricultural machinery (IIIrd Year of study, Vth Semester)

Credit value (ECTS) 5

Course category

Domain (Imposed)

Discipline code

A.EMIAIA.D.302

Course holder

Vlad Nicolae ARSENOAIA

Discipline objectives (course and practical works)

Within the course and practical works, the aim is for students to acquire the theoretical and practical foundation regarding agricultural machinery.

Contents (syllabus)

Course (chapters/subchapters)
Agricultural equipment for fertilization Agricultural equipment for plant protection treatments Harvesting equipment for agricultural crops Machines and equipment for conditioning agricultural products Equipment used in precision agriculture

Practical works
Machines for applying soil amendments Mounted machines for fertilizer application Trailed machines for fertilizer application Mounted machines for plant protection treatments Trailed machines for plant protection treatments Grain harvesting combines Oilseed harvesting combines Sugar beet harvesting combines Forage choppers Forage crop harvesting machines Final colloquium for knowledge assessment

References

1. Mircea Badescu, Sorin Boruz 2015 - Masini agricole si horticole, Edit. Sitech
2. Arsenoiaia Vlad, 2023 – Masini de recoltat. Editura Ion Ionescu de la Brad, Iași
3. Cazacu Dan, Rosca R., 2015 - Construcția tractoarelor , editia I. Editura Ion Ionescu de la Brad

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Exam	Written examination	80%
Appreciation of the activity during the semester	Oral assessment during the semester, verification tests and final laboratory colloquium.	20%

Contact

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