

Principles and methods for the preservation of food (IIIrd Year of study, Vth Semester)

Credit value (ECTS) 4

Course category

Domain (Imposed)

Course holder:

Lecturer Dr. Steluța RADU

Discipline objectives (course and practical works)

-The aim of the course refers to the acquiring and understanding principles and specific techniques for food preservation technologies, skills practical application of knowledge and training skills to act autonomously to observe and analyze its.

-Students will also study the interpretation and offering solutions to problems, to obtain quality food.

Contents (syllabus)

Course (chapters/subchapters)
The object of study, the history and the importance of discipline
The quality of vegetables and fruits
Tehniques for keeping fruits and vegetables fresh
Conservation techniques subtropical and tropical fruits
Conservation techniques food
Packaging for chilled products and ways of packaging
Methods of preservation by heat treatment, freeze-drying
Applications of conservation techniques

Practical works
Rules of hygiene and safety, PSI
Analysis of vegetables dehydrated and vegetable products cooling
Analysis of preserved products by pasteurization I (tomato paste)
Analysis of preserved products by pasteurization II (acids vegetables preserved products)
Analysis of preserved products by pasteurization III(compotes)
Final colloquium of knowledge evaluation

Bibliography

- Radu, Steluța, 2010 – Tehniques of preservation for food, Publishing House Universitas XXI;
- Vizireanu, Camelia și colab., 2001 – Food styles, Publishing House University Foundation „Dunărea de Jos” Galați;

Bibliografie facultativă

- Segal, R., Barbu, I. -1992– Sensory analysis of food, Publishing House, Bucharest;
- Rogoz, Silvia Maria-2005-Hygiene and food safety in the context of integration into the European Union;

- THIERER, L. et al, 1975-Reception technology, storage and conservation of agricultural products, Publishing House Ceres;

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Exam	Written examination	70%
Appreciation of the activity during the semester	Oral assessment during the semester, verification tests and final laboratory colloquium.	30%

Contact

Assist. Prof. Dr. Steluta RADU

Faculty of Agriculture - USAMV Iași

Aleea Mihail Sadoveanu nr. 3, Iași, 700490, Romania

E-mail: rstela@uaiasi.ro