

Technological practice (IIIrd Year of study, VIth Semester)

Credit value (ECTS) 4

Course category

Speciality (Imposed)

Course holder:

Assoc. Prof. Dr. Eng. Petru Marian CÂRLESCU

Discipline objectives (Technological practice)

The practice aims to acquire by students the practical knowledge in the field of consumer and environmental protection with applicability in the food industry and environmental engineering.

The practical works aim to familiarize students with the basic methods of food science (defined in multidisciplinary terms), regarding the structure, properties and transformations of food components and contaminants during the agri-food chain. Explain and interpret the methods and processes that take place in the food industry, using basic knowledge on the composition, structure, properties and transformations of food components and their interaction with other systems throughout the agri-food chain. Assessment of the qualitative and quantitative characteristics of raw materials, by-products and products specific to the food industry. Application of basic engineering principles and methods for solving technological problems of production and control in technological lines specific to the production of dairy products, alcoholic and non-alcoholic beverages, meat and meat preparations, bakery and pastry.

Critical analysis, evaluation of the characteristics, performances and limits of some processes and technological equipments in the field of environmental engineering.

| Practical works |
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| General training for NTS and PSI; Specific training of NTS and PSI microproduction laboratory |
| Microproduction laboratoy for dairy products. |
| Microproduction laboratoy for meat. |
| Microproduction laboratoy for meat products. |
| Microproduction laboratoy for bakery. |
| Microproduction laboratoy for pastry. |
| Microproduction laboratoy for beer. |
| Laboratory wine production and other alcoholic beverage. |
| Research Institute for Agriculture and the Environment. |
| Final colloquium of knowledge evaluation. |

Evaluation

| Evaluation form | Evaluation Methods | Percentage of the final grade |
|-----------------|---------------------|-------------------------------|
| Exam | Writing examination | 100% |

Contact

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