

UNIVERSITATEA DE ȘTIINȚE AGRICOLE ȘI MEDICINĂ VETERINARĂ CLUJ-NAPOCA

Calea Mănăștur 3-5, 400372, Cluj-Napoca

Tel: 0264-596.384, Fax: 0264-593.792

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No_____from _____

Form code USAMV-CN-0705010105

COURSE DESCRIPTION

1. Information on the programme

1.1. Higher Education Institution	University of Agricultural Sciences and Veterinary-Medicine Cluj-Napoca
1.2. Faculty	Food Science and Technology
1.3. Department	Food Engineering
1.4. Study field	Food Engineering
1.5. Level field ¹⁾	Master
1.6. Specialization/ Study Program	System processing and food quality control
1.7. Form of education	IF

2. Information on the discipline

2.1. Name of the course Sensorial Analysis Of Agro-Food Products									
2.2. Course leader				Assoc. Pr	Assoc. Prof. PhD. Crina Mureșan				
2.3. Coordinator of seminary/laboratory activity/project			Assoc. Prof. PhD. Crina Mureșan						
2.4. Year of study	т	2.5. Semester	т	2.6	. Type of		2.7. Course	Content ²	DD
	1		I	eva	aluation	Continue	regime	Level of compulsory ³	DI

3. Total estimated time (teaching hours per semester)

3.1. Number of hours/week – frequency form	2	of which : 3.2. course	1	3.3. seminary/ laboratory/ project	1
3.4. Total hours in the curricula	28	of which: 3.5.course	14	3.6.seminary/laboratory	14
Distribution of time H					
3.4.1. Study based on handbook, notes, bibliography					30
3.4.2. Extra documentation in the library, on specific electronic platforms and on field					20
3.4.3. Preparation of seminaries/ laboratories/ projects, themes, papers, portfolies and essays					30
3.4.4.Tutorial					7
3.4.5. Examination				10	
3.4.6. Other activities					
3.7. Total hours of individual study	97				
3.8. Total hours per semester 125					

3.0.	rotar nours per semester	123
3.9.	Number of ECTS ⁴	5

4. Prerequisites (if applicable)

4.1. of curriculum	Basics of chemistry and biochemistry as well food technology
4.2. of competences	The student must have the ability to use Excel Program and have basic knowledge in
	mathematical statistics

5. Conditions (if applicable)

5.1. of course development	Space and facilities: Classroom equipped with: board, projector and computer The course is interactive, the student can participate directly through questions and comments regarding the content exposure
	comments regarding the content exposure
5.2. of seminary/laboratory/	Laboratory for sensorial analysis of foods



6. Specific competences acquired

Professional competences	CP 5. Implementation and monitoring of EU policies and strategies on food quality, safety and security
Transversal competences	CT1. Realization of complex, interdisciplinary, individual projects

7. Subject objectives (as a result of the specific acquired competences)

7.1. Subject general objectives	To learn the methods for panelists training, the perception of sensations,		
	qualitative and quantitative methods as well as interpretation of results.		
7.2. Specific objectives	To understand the differences between qualitative and quantitative methods.		
	To interpret the results of a test		
	To identify the factors which influence the sensorial quality of a food .		

8. Contents

Methods of teaching	Observations
Lectures, heuristic	1 lecture
conversation,	
explanation	11.4
	1 lecture
	1 lecture
	11.4
	1 lecture
	1 lecture
	1 lecture
	1 lecture
	1 lecture
	Methods of teaching Lectures, heuristic conversation, explanation

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8.2. PRACTICAL WORK Number of hours – 14					
1.Development of a questionnaire on the degree of acceptance and consumer preferences.	Individual work	2 seminars			
2. Sensory analysis of food produsct of animal origin.Literature study-methosd and results. Practical		2 seminars			
 3. Sensory analysis of food produsct of vegetal origin. Literature study-method and results Practical 		2 seminars			
application. Final examination of knowledge and abilities		1 seminar			
Compulsory Bibliography:					
1. Muresan Crina, 2021, Lecture notes					
2. BS ISO 13299:2003, Sensory analysis — Method	ology — General guidance for e	establishing a sensory profile			
3. BS ISO 4121:2003, Sensory analysis — Guidelin	es for the use of quantitative res	ponse scales			
4. Lawless, H. T., Heymann, H., 2010, Sensory eval	4. Lawless, H. T., Heymann, H., 2010, Sensory evaluation of food: principles and practices. Springer Science and				
Business Media	Business Media				
5. Stone, H., Bleibaum, R., Thomas, H. A., 2012, Se	ensory evaluation practices. Acae	demic press.			
6. Stone, H, Joel L. Sidel, 2004, Sensory Evaluation	Practices (Third Edition), Ed. E	llsevier Inc.			

Facultative Bibliography:

- 1. Apostu Sorin, Naghiu Alexandru, 2008, Analiza senzoriala a alimentelor, Ed. Risoprint, Cluj-Napoca
- 2. Harry T. Lawless, Hildegarge Heymann, 1998, Senzory evaluation of food-principles and practices, USA
- 3. Stone, Herbert, Joel L. Sidel, 2004, Sensory Evaluation Practices (Third Edition), Ed. Elsevier Inc.

9. Correlations between the subject against the expectations of the epistemic community representatives, of the professional associations and employers' representatives in the domain

Course content is consistent with national professional associations specific applications.

10. Evaluation

Type of activity	10.1. Evaluation criteria	10.2. Evaluation methods	10.3. Percent of the final grade			
10.4. Course	Evaluation the knowledge acquired	Verification	50%			
10.5. Seminary/Laboratory	Evaluation the knowledge acquired,					
	evaluation the practical knowledge,	Presenting an individual project	50%			
	degree of involvement and					
	individual study					
10.6. Minimal standard of performance						
Factors which influence the sensorial ability. Recognition of quantitative and qualitative methods for sensory analysis of						

food.Statistical interpretation of results

¹ Level of study- to be chosen one of the following - Bachelor/Post graduate/Doctoral

² Course regime (content) – for bachelor level it will be chosen one of the following - **DF** (fundamental subject), **DD** (subject in the domain), **DS** (specific subject), **DC** (complementary subject).

³ Course regime (compulsory level) - to be chosen one of the following - **DI** (compulsory subject), **DO** (optional subject), **DFac** (facultative subject)

⁴ One ECTS is equivalent with 25 hours of study (didactical and individual study).



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Filled in on 8.09.2021

Approved by the

Department on 22.09.2021

www.usamvcluj.ro Course coordinator Assoc. Prof. PhD. Crina Muresan

Laboratory work coordinator Assoc. Prof. PhD. Crina Muresan

Subject coordinator Assoc. Prof. PhD. Crina Muresan

Head of the Department Prof. PhD. Sevastița Muste

Dean Prof. PhD. Elena Mudura

Approved by the Faculty Council on . 28.09.2021