



UNIVERSITATEA DE ȘTIINȚE AGRICOLE ȘI MEDICINĂ VETERINARĂ CLUJ-NAPOCA

Calea Mănăstur 3-5, 400372, Cluj-Napoca

Tel: 0264-596.384, Fax: 0264-593.792

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No. _____ of _____

USAMV form CN-0706020209

SUBJECT OUTLINE

1. Information on the programme

1.1. Higher education institution	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca
1.2. Faculty	Faculty of Food Science and Technology
1.3. Department	Food Science
1.4. Field of study	Food Engineering
1.5. Education level	Master
1.6. Specialization/ Study programme	Food Safety and Consumer Protection
1.7. Form of education	Full time

2. Information on the discipline

2.1. Name of the discipline	Global Food Security Policies							
2.2. Course coordinator	Prof dr Ramona Suharoschi							
2.3. Seminar/ laboratory/ project coordinator	Prof dr Ramona Suharoschi							
2.4. Year of study	II	2.5. Semester	III	2.6. Type of evaluation	Summative	2.7. Discipline status	Content ²	DC
							Compulsoriness ³	DO

3. Total estimated time (teaching hours per semester)

3.1. Hours per week – full time programme	2	out of which: 3.2. lecture	1	3.3. seminar/ laboratory/ project	1
3.4. Total number of hours in the curriculum	28	Out of which: 3.5. lecture	14	3.6. seminar/laboratory	14
Distribution of the time allotted					hours
3.4.1. Study based on book, textbook, bibliography and notes					42
3.4.2. Additional documentation in the library, specialized electronic platforms and field					25
3.4.3. Preparing seminars/ laboratories/ projects, subjects, reports, portfolios and essays					25
3.4.4. Tutorials					20
3.4.5. Examinations					10
3.4.6. Other activities					0
3.7. Total hours of individual study	72				
3.8. Total hours per semester	150				
3.9. Number of credits ⁴	4				

4. Prerequisites (is applicable)

4.1. curriculum-related	CONSUMER PROTECTION IN RO AND EU; Agro-ecosystems and food production
4.2. skills-related	The student must have knowledge of food safety; IT operation; office use (xls); internet navigation; individual and group work skills; and participation in professional development.

5. Conditions (if applicable)

5.1. for the lecture	The course is interactive, students can ask questions regarding the content of lecture. Academic discipline requires compliance with the start and end of the
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will

	Classroom with adequate capacity, with multimedia equipment and internet connection
5.2. for the seminar/ laboratory/ project	During practical works, each student will develop an individual activity with laboratory materials (made available in the book that describes the laboratory work). Academic discipline is imposed throughout the course of practical works.

6. Specific competences acquired

Professional competences	C6.2 - Explain and interpret how agri-food production is integrated into the global circuit of consumer goods. C3.1 Describe specific engineering terminology in connection with multidisciplinary terminology specific to the field C4.1 - Identify and use scientific research methods in agri-food sciences
Transversal competences	CT3 Carrying out a complex, interdisciplinary scientific work

7. Course objectives (based on the list of competences acquired)

7.1. Overall course objective	To acquire food safety knowledge
7.2. Specific objectives	Understand food safety behaviours and risks Know the risk factors that influence food safety

8. Content

8.1. LECTURE Number of hours -14	Teaching methods Ex. Lecture	Notes Eg. 1 Lecture
FOOD SAFETY: CONCEPTS AND OBJECTIVES	Lecture, explanation and debate	4 hours
GLOBAL FOOD SAFETY POLICIES (CODEX ALIMENTARIUS, FAO)	Lecture, explanation and debate	4 hours
EU - COMMUNITY AQUIS - INSTITUTIONAL FRAMEWORK for Food Security Policies	Lecture, explanation and debate	4 hours
EU food safety and food security legislation - International bodies responsible for ensuring food safety and food security worldwide	Lecture, explanation and debate	2 hours
8.2. PRACTICAL WORK Number of hours – 14	Eg. Case study.... Eg: Acknowledgement.....	1 lab work (2 hours / work)
CODEX ALIMENTARIUS/ FAO (case studies) (EU, USA, JAPAN, AFRICA, AUSTRALIA & NZ)	Case study	10 hours
Presentation, discussion, evaluation of projects (case studies)	Case study	4 hours
<i>Compulsory bibliography:</i>		



1. Doornikhuizen, 2003, 32 Mortality and Morbidity Weekly Report T13-0 (2003), James F. Richard, DA-grocery worker sentenced to nine years for poisoning supermarket beef, South Bend Tribune, Sept 20, 2003.
2. Baltimore City Health Department Office of Public Health Preparedness and Response: Intentional Food contamination; Monthly Health Notes- August 2004.
3. Morris PD, Campbell DS, Taylor TJ, Freeman JI. Clinical and epidemiological features of neurotoxic shellfish poisoning in North Carolina. Am J. Public Health, 1991; 81:471-4.
4. Tunik MG, Goldfrank LR. Food poisoning. In: Goldfrank LR, Flomenbaum NE, Lewin NA, Howland MA, Hoffmann RS, Nelson LS, eds. Goldfrank's toxicologic emergencies. 7th ed. New York, NY: McGraw-Hill; 2002:1085-99.
- *** FAO. *Biosecurity in food and agriculture*. Committee on Agriculture. Seventeenth session, Rome, 31 March-4 April 2003. Rome, FAO, 2003(COAG/2003/9, <http://www.fao.org/DOCREP/MEETING/006/Y8453E.HTM>).
- *** FAO/WHO. Biosecurity risk analysis: an overview and framework manual. Chapter 4. Rome/Geneva, 2005, FAO/WHO (draft, May 2005).
- *** Health Canada. *Laboratory biosafety guidelines*. Third edition. Ottawa, Health Canada, 2004.
- *** Institute of Medicine and National Research Council. *Globalization, biosecurity, and the future of the life sciences*. Washington DC, The National Academies Press, 2006
- *** National Institutes of Health/Centers for Disease Control and Prevention. *Biosafety in microbiological and biomedical laboratories*. Fourth edition. Atlanta, CDC, 1999.
- *** WHO. *Global health security: epidemic alert and response*. World Health Assembly resolution WHA54.14, May 2001 (http://ftp.who.int/gb/pdf_files/WHA54/ea54r14.pdf)
- *** WHO. *Global public health response to natural occurrence, accidental release or deliberate use of biological and chemical agents or radionuclear material that affect health*. World Health Assembly resolution WHA55.16, May 2002. (http://www.who.int/gb/ebwha/pdf_files/WHA55/ewha5516.pdf)
- *** WHO. *Deliberate use of biological and chemical agents to cause harm*. World Health Assembly resolution WHA55.20, May 2002 (http://www.who.int/gb/ebwha/pdf_files/WHA55/ea5520.pdf)
- <http://www.fao.org/fao-who-codexalimentarius/en/>
- <http://www.fao.org/home/en/>

Optional bibliography:

1. Paraschivescu V. . Asigurarea, Certificarea și Controlul Calității Mărfurilor, Ed. Neuron, Focșani, 1994.
2. Moraru Gh. . Fascinația Calității Produselor Agricole, Ed. Dacia, 1998.
3. Scorei R. Li Colab. . Ghid Practic Pentru Industria Agro-Alimentară, Ed. Aius, Craiova 1998.

9. Corroborating the course content with the expectations of the epistemic community representatives, of the professional associations and of the relevant stakeholders in the corresponding field

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10. Assessment

Type of activity	10.1. Assessment criteria	10.2. Assessment methods	10.3. Percentage of the final grade
10.4. Lecture	Course debates on specific topic	continuous	35%
10.5. Seminar/Laboratory	Research volunteers, poster presentation, manuscript review - Talks, posters, manuscripts review	Theoretical and practical skills	5%
10.6. Minimum performance standards			
Publication of min. 1 scientific article in a specialized journal or participation in min. 1 conference / symposium			

¹ Education levels- choose of the three options: Bachelor/* Master/Ph.D.

² Discipline status (content)- for the undergraduate level, choose one of the options:- **FD** (fundamental discipline), **BD**



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^{3/} Discipline status (compulsoriness)- choose one of the options – **CD** (compulsory discipline) **OD** (optional discipline) **ED** (elective discipline).

⁴ One credit is equivalent to 25-30 hours of study (teaching activities and individual study).

^{5/ *} Disciplines: AK- Advanced knowledge, CT- Complementary Training, S- Synthesis

Course coordinator

Prof dr. Ramona Suharoschi

Laboratory/seminary coordinator

Date of completion

14.09.2021

Lecturer. dr. Oana Lelia Pop

Lecturer dr. Oana Lelia Pop

Discipline coordinator

Prof dr. Ramona Suharoschi

Approved by the
department on
22.09.2021

Head of department

Prof dr. Ramona Suharoschi

Approved by the Faculty
Council on
28.09.2021

Dean

Prof dr. Elena Mudura