



General information				
Academic subject	FOOD SAFETY 1			
Degree course	Safety and Health of Food of Animal Origin			
Academic Year	2021-2022			
European Credit Transfer and Acc	umulation System (ECTS) 6			
Language	ITALIAN			
Academic calendar (starting and e	nding date) 1 st semester			
Attendance	Not mandatory			

Professor/ Lecturer			
Name and Surname	ANGELA DI PINTO – ANGELA DAMBROSIO		
E-mail	angela.dipinto@uniba.it – angela.dambrosio@uniba.it		
Telephone	Tel. 0805443878 - 0805443849		
Department and address	Veterinary Medicine Campus – Valenzano (BA)		
Virtual headquarters	Microsoft Teams platform - Request for an appointment to be agreed in advance via email		
Tutoring (time and day)	Tuesday: 10:30 - 12:30 - Thursday: 14:30 - 16:30 - Request for an appointment to be agreed in advance via email		

Syllabus	
Learning Objectives	The course aims to provide scientific knowledge relating to health and hygiene requirements, hazards and methods of prevention and management thereof within milk, dairy product, fish and bivalve mollusks supply chains. The course aims to analyze the general principles and requirements of European and national legislation on hygiene and safety in specific sectors and schedules educational visits to food production companies in order to transfer practical knowledge relating to the prevention and management of hazards, and to sanitation in animal origin supply chains of interest.
Course prerequisites	The student should have knowledge and skills relating to microbiology and the hygiene measures practiced on livestock farms.
Contents	 Introduction. EU Food Laws: general principles and requirements concerning food safety. Risk analysis methodologies according to the principles of the Codex Alimentarius. Pre-requisite programs, Good Hygiene Practices (<i>GHP</i>) and <i>Good Manufacturing Practices</i> (GMP). Hazard Analysis and Critical Control Point (HACCP) system and guidelines for its application. Milk and dairy products. European legislation for milk and milk products. Safety requirements for raw milk production. Hygiene on milk production holdings. Criteria for raw milk requirements concerning dairy products. Wrapping and packaging. Requirements for heat treatment. Labeling and identification marking. Milk and Milk Products: processing techniques. Risk assessment and management of milk and dairy products. Fishery products. European legislation for fish and fishery products. Sanitation standards for fishery products. Requirements for mechanically separated fishery products. Processing technologies and requirements for processed fishery products.





	Wrapping and packing. Storage and transport. Labeling.
	Bivalve molluscs. European legislation for bivalve mollusks. Hygiene requirements
	applicable to production and harvest: recalls. General requirements for placing on the
	market. Sanitary rules for live bivalve molluscs. Transformation technologies.
	Wrapping and packing. Identification and labeling marking.
Books and bibliography	Cenci Goga – Ispezione e controllo degli alimenti. Point Veterinaire Italie
	EU Food Laws
Additional materials	Lecture notes are recommended

Work schedule				
Total	Lectures		Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours				
150	60		25	65
ECTS				
6	5		1	/
Teaching strategy	,	multimed of Powe education laborator into gro required average	thing strategy involves lectures held in the classro dia devices such as PCs, projectors, internet connection provide the such as PCs, projectors, internet connection and visits to food companies operating in the sec- ry exercises at the facilities of the Food Safety section ups and followed individually, when performing on the course, by the course leader and collabora number of students enrolled on the course, this will re- taboratory exercise.	ons that allow viewing cal activities include ctors of interest and . Students are divided the laboratory tests tors. Considering the
Expected learning	g outcomes			
Knowledge and u on: Applying knowled	lge and	0	Students need to know and understand the requirements for milk and milk products, fish and hazards and methods of prevention and management animal origin supply chains of interest. Students <u>understand the European and national legislative prov</u> Students need to apply their knowledge of and u	bivalve molluscs, the t in the context of the need to know and visions on food safety. Inderstand safety and
understanding on	:	:	hygiene issues, prevention and management methor supply chains of animal origin and must know the national legislative provisions on the safety of milk a and bivalve molluscs.	main European and
Soft skills		0	ing informed judgments and choices Students need to be able to acquire and interpret i autonomous conclusions on issues related to food independently formulate a correct assessment of production processes and identify methods to ensur Students need to make autonomous analyses concern	hygiene and safety, the critical issues of e their management.
		• Capa	municating knowledge and understanding Students need to be able to effectively discuss the hygiene and safety within a multidisciplinary working g acities to continue learning Students need to acquire sufficient learning skills to	group.





in-depth studies and / or updates on food hygiene and safety issues.

Assessment and feedback	
Methods of assessment	Verification of learning, at the end of the course, consists in an oral discussion of the topics of the course aimed at ascertaining the achievement of the main educational objectives of the course: (1) knowing the terminology used in food safety and being able to express oneself correctly; (2) know the European and national legislation on food safety and the related sanitary parameters set by the legislation; (3) be able to analyze the criticalities of production processes and to correctly identify the criticalities of a process and the methods to ensure their management; (4) know the basic principles relating to food safety, traceability and labeling of food products.
Evaluation criteria	 Knowledge and understanding Knowledge and understanding the basic concepts of food hygiene and safety explained in the course. Applying knowledge and understanding Applying knowledge and understanding of the basic concepts for management of food hygiene and safety. Autonomy of judgment Being able to formulate an opinion independently Communicating knowledge and understanding Being able to clearly explain the main topics discussed during the course Communication skills Being able to discuss the main issues of food hygiene and safety within a multidisciplinary working group Capacities to continue learning Capacities to continue learning providing access to advanced courses and training periods
Criteria for assessment and attribution of the final mark	Assessment and attribution of the final mark is graded on a scale from 0 to 30. The minimum vote for the oral exam is 18/30. The maximal grade is reached if the student proves a knowledge and a thorough understanding of the course content. The maximal grade with honours is reserved to the students who show special independence and excellence.
Additional information	