Degree Class: LM-86	<b>Degree Course:</b> Safety and Health of Food o	Academic		
	Animal Origin		Academic Year: 2020/2021	
	Kind of class:	Year:	Period:	
	mandatory	II	Semester I	
	ECTS: 6 divided as follows: ECTS lessons: 5 ECTS exe/lab/tutor: 1			
Time management, hours, in-class study hours, out-oflessons: 60exe/lab/tutor: 25in-class study: 0	f-class study hours out-of-class study: 65			
Language: Compulsory Attendance: ITALIAN NO	:			
Subject Teacher:Tel: +390805443878DI PINTO ANGELAe-mail: angela.dipinto@uniba.it	Office: Department of Room Floor	•		
<b>Prerequisites:</b> It is desirable that the student have kn chemistry, biochemistry and the hygiene measures practice		the topics of 1	microbiology,	
Expected learning outcomes (according to Dublin Descriptors)Requirements for milk an must know the European a Applying knowledge and health and hygiene hazar specific animal origin sup legislative provisions on the Making judgements: Stu- safety.Making judgements: Stu- safety during the course in	hereof within milk, dairy produ- bral principles and requirement schedules educational visits to f evention and management of haz <b>tanding:</b> Students need to kn and milk products, mollusks, an and national legislative provision <b>d understanding:</b> Students ne ds, the methods of prevention oply chains and must know the ne safety of food of animal origin udents need to make autonomo as need to acquire the ability to a personal and competent way.	ct, and egg and s of European food production cards, and to sar ow the hygiend d fishery produ s on food safety ed to apply sk and manageme main European t. us analyses cor express ideas re	d egg-product and national companies in nitation in the e and Safety acts. Students ills regarding nt within the and national heerning food	
Lifelong learning skills: Students need to demonstrate autonomy in adopting method to prevent and manage health and hygiene hazards within the animal origin suppression of interest and the ability to navigate the main European and national legislatid provisions on safety regarding foods of animal origin. Students need to demonstrate autonomy in reading, analyzing, and communicating texts on food safety, in order facilitate subsequent studies and enhance student autonomy. Students need demonstrate use of the scientific language.   Course program				

**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 (GHP) and Good Manufacturing Practices (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. Labelling and identification marking. Milk and Milk Products: processing techniques. Risk assessment and management of milk and dairy products.

Live bivalve molluscs. general requirements for the placing on the market of live bivalve molluscs. Hygiene

requirements for the production and harvesting of live bivalve molluscs. Structural and hygiene requirements for dispatch and purification centres. Safety requirements for live bivalve molluscs. Wrapping and packaging of live bivalve molluscs. Identification marking and labelling.

**Fishery products.** European legislation for fishery products. Requirements for vessels. Requirements during and after landing. Requirements for fresh fishery products. Requirements for frozen products. Requirements for mechanically separated fishery products. Requirements concerning parasites. Requirements for processed fishery products. Safety requirements for fishery products. Wrapping and packaging of fishery products. Storage of fishery products. Transport of fishery products. Risk assessment and management of fishery products.

**Teaching methods:** Lessons are held in the classroom with the aid of multimedia devices such as PCs, projectors, internet connections that allow viewing of PowerPoint files and educational videos/films. Practical activities include educational visits to food companies operating in the sectors of interest and laboratory exercises at the facilities of the Food Safety section. Students are divided into groups and followed individually, when performing the laboratory tests required on the course, by the course leader and collaborators. Considering the average number of students enrolled on the course, this will require at least 3 shifts for each laboratory exercise.

Auxiliary teaching: White coat or disposable coat, disposable gloves, cap (optional) for laboratory exercises.

**Assessment methods:** The oral exam aims to evaluate the achievement of the course objectives, i.e. knowledge of the subject, the ability to use appropriate terminology, to critically address methodological problems and the correctness of regulatory references.

## **Bibliography:**

Cenci Goga – Ispezione e controllo degli alimenti. Point Veterinaire Italie. EU Food Laws