



General information			
Academic subject	FOOD HYGIENE AND SAFETY		
	Module of the course: Hygiene and Safety of primary production		
Degree course	Animal Science		
Academic Year	2021/2022		
European Credit Transfer and Accumulation System (ECTS) 3			
Language	Italian		
Academic calendar (starting and ending date) II Semester			
Attendance	Mandatory		

Professor/ Lecturer	
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Department and address	Veterinary Medicine Campus – Valenzano (BA)
Virtual headquarters	5c15lah
Tutoring (time and day)	Receives by appointment via email:
	In Department: Tuesday: 11.30 – 13.30; Wednesday: 14:30-16:30
	Teams: all days

Syllabus		
Learning Objectives	The teaching aim is to transfer scientific knowledge on the notion of food safety and food hygiene. Specifically, the course aims to: (i) define primary production risks; (ii) define the hygienic and sanitary quality of food; (iii) provide the principles of the development and application of food hygiene to develop and apply the control systems needed to guarantee the hygiene and safety of primary production.	
Course prerequisites	The student should have previous knowledge related to the teaching of:         -       Hygiene and safety of primary production of animal origin         -       Drug legislation, pharmacovigilance and toxicology         -       Anatomy, physiology and microbiology	
Contents	<ul> <li>Anatomy, physiology and microbiology</li> <li>Definitions: food, production chains, food hygiene and food safety, hygienic and sanitary quality of food, biotic and abiotic contamination of food.</li> <li>Recall references to the physical and chemical characteristics of food that allow the growth of microorganisms (water activity, pH, acidity, etc).</li> <li>Definitions of biological, chemical, and physical hazards.</li> <li>Food contamination: primary contamination (water, soil, air and animals) secondary contamination (workplaces, food handler); tertiary contamination (food storage and selling).</li> <li>Recalls of references to some of the main zoonoses in the primary food productior and related current legislation.</li> <li>Sanitary requirements in the primary production in accordance according with the current legislation.</li> <li>Implementation of good practice program in primary production.</li> </ul>	
Books and bibliography	Antonietta Galli Volonterio - Microbiologia degli Alimenti, Casa Editrice Ambrosiana. Farris, Gobbetti, Neviani, Vincenzini - Microbiologia dei prodotti alimentari, Casa Editrice Ambrosiana.	

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	Cenci Goga – Ispezione e controllo degli alimenti. Point Veterinaire Italie. Lecture notes.
Additional materials	Books will be integrated with lecture notes.

Work sched	ule			
Total	Lectures		Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours				
75	20		25 (Exercises will be repeated in turns, on the bases of the total number of students)	30
ECTS				
3	2		1	
Teaching str	ategy			·
		connecte time as t activities	are held in class, using multimedia devices such as a p ed to the projector, internet connection in order to sh he explanation, Power Point slides and explanatory v include laboratory exercises at the facilities of the Fo cational visits to primary production companies opera	now, at the same rideos/films. Practical bod Safety section
Expected lea	arning outcomes			
Knowledge a on:	and understanding		<ul> <li>The student has to be able to identify the source food in the primary production, the main contamination sources, the connected risks an and related control strategies.</li> </ul>	biotic and abiotic
Applying kno understandi	owledge and ng on:	<ul> <li>The student has to be able to identify the hazards and the related risk in the primary production field. Moreover, he has to be able to apply specific measures aimed at guaranteeing the hygiene and safety o primary food production.</li> </ul>		as to be able to apply
Soft skills		• Com	<ul> <li>ing informed judgments and choices</li> <li>Evaluation and interpretation of data related food hygiene.</li> <li>Ability to evaluate the effectiveness of correct safety and quality.</li> <li>municating knowledge and understanding</li> <li>Ability to clearly discuss with appropriate languideas on the acquired topics.</li> </ul>	tive actions for food
		• Cape	<ul> <li>Ability to consult scientific publications, current on food safety, autonomously.</li> </ul>	legislation, and books

Assessment and feedback		
Methods of assessment	The skills acquired will be assessed during the course through questions on topics related to the course. At the end of the course, the student should be able to:	
Evaluation criteria	<ul> <li>Knowledge and understanding</li> <li>Know the major sanitary hazards in the animal origin primary production</li> <li>Applying knowledge and understanding</li> <li>Know how to prevent and manage the identified hazards</li> </ul>	

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Additional information		
	scientific terminology and with good explanation skills.	
	exam is 18/30. Top marks will be awarded to the students able to use the correct	
	topics. The final mark is expressed in thirtieths. The minimal final mark to pass the	
attribution of the final mark	interview, with the aim of ascertaining the degree of knowledge on the proposed	
Criteria for assessment and	The assessment of the learning achieved by the student takes place through oral	
	<ul> <li>Students should improve their knowledge of the topics through by consulting the legislation and scientific papers regarding food safety.</li> </ul>	
	Capacities to continue learning	
	<ul><li>(ii) use appropriate terminology;</li><li>(iii) express ideas regarding food safety in a personal and competent way.</li></ul>	
	• The students should be able to (i) clearly present the proposed topics,	
	Communication skills     The students should be shipted (i) should be specified.	
	discussed during the course.	
	• The students should be able to clearly explain the main topics	
	Communicating knowledge and understanding	
	autonomously.	
	<ul> <li>The students should be able to express their own opinion</li> </ul>	
	Autonomy of judgment	