



UNIVERSITÀ
DI CAMERINO

**School of Veterinary Medical Sciences
- Faculty of Veterinary Medicine -**

**Degree course in
SAFETY OF ANIMAL PRODUCTION**

(Class **L-38**)

UNIVERSITY'S DEGREE COURSE HANDBOOK

Course Time: 3 years

ECTS: 180

Main Teaching building:

Matelica (MC)

Via Circonvallazione, 93/95

Academic Year 2010-2011

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2. Introduction

The chronicle often reports the presence of polluting substances, contaminating (biological agents and not) as consequence of fraudulent actions, or purely casual, in the foods destined to the animals used in the human feeding or in the products of animal origins. These substances represent a real risk of harm to farm animals altering their health and their wellness and also the health of consumers.

The Degree Course in **Safety of Animal Productions** proposes to form intellectual and professional figures with a solid knowledge on several disciplines, mainly focused on the appropriate procedures to control the hygiene of food and food processing and selling premises, the farms safety and animals wellness, following the laws established by the public health authorities, in order to check and verify the quality of human and animal food.

This figure should interact with Special Sanitary Officer in different contest, to fill a gap highlighted even by communitarian directive no. 854/2004 (Specialized Assistant Officer).

The Degree course will be gradually activated. In the academic year **2010/2011** the **1st** and the **2nd year** will be activated.

3. Educational objectives of the course and verification of their achievement

In particular the graduate in **Safety of Animal Productions, UNICAM** after completing their studies will:

- possess knowledge of physics, statistic and computer science, chemistry and biochemistry, useful for the professional and scientific formation;
- acquire essential knowledge on the structure and physiology of the major animal species in production;
- know laboratory skills necessary to operate in the proper fields of competence
- know the principles of general pathology and microbiology of animals as well as the epidemiology of infectious and parasitic diseases, and the prevention plans;
- acquire the essential knowledge of breeding, feeding and methods for animal reproduction;
- acquire in depth the concepts of zootechnical hygiene, health and quality of animal products.
- acquire in depth the concepts of technology of food production and health monitoring of foods of animal origin;
- acquire technical knowledge and diagnostic methods of the various fields of animal disease;
- know the national and UE-community health legislation;
- be able to operate professionally with regard to hygienic-sanitary aspects also in the zootechnical farms and aquaculture;
- be able to work professionally on the hygienic-sanitary aspects of enterprises engaged in processing and marketing of animal products;
- be able to use fluently in written and oral form, English language other than Italian.

Learning and understanding will be facilitate by the combining of frontal, lab and field practices.

The educational activities will be oriented to stimulate in the students a critical discussion of the topics covered; for each activity will be provided appropriate teaching materials, using also electronic format and the website of the School to ensure the wide accessibility of the teaching material. The acquisition of knowledge and understanding will be evaluated during the specific exams.

The training will be complete with the possibility to integrate the training abroad under international agreements (Erasmus, Socrates) or through qualifying events organized every year by teachers and students, and with the possibility of integrating the curriculum through external activities that will complement the training.

Expected learning outcomes, expressed with Dublin Descriptors (DM 16/03/2007, art. 3, comma 7)

Knowledge and understanding

Graduates of the class have received adequate training in basic disciplines, such that they are able to understand the current issues of their field of study through the use of texts and informatics tools.

In particular, graduate will achieve a proper preparation on basic subjects, in order to allow themselves the comprehension of actual themes by the use of appropriate textbooks and informatics' instruments. In particular the graduate will: -have adequate basic knowledge on math, physic, chemistry, anatomy, and physiology of animals as well as on computer sciences, and their applications; -know research methods and will be able to apply the resulting research and experimental outcomes to professional purposes in order to solve several applicative problems

Learning and understanding will be facilitate by the combining of frontal, lab and field practices.

Learning activities will stimulate the student to critical discussion of treated subjects: appropriate training aid will be provided for any activity, even by electronic support or Faculty website, if required.

The evaluation of acquired knowledge and comprehension ability will be based on specific exams.

Applying knowledge and understanding

Graduate will be able to apply his knowledge to solve problems concerning production of food of animal origin. Practical skills and training experiences will permit the student to have full proficiency and immediate availability in working context.

In particular the graduate will be able to acquire information and use them in order to improve the management and efficiency of every activity under a modern and innovative point of view. This ability will derive from the combining of theoretical subjects with applicative examples. In this way the student should be stimulated in improving his capacity to apply his knowledge and acquired abilities, promoting an active participation, a proposal attitude, an autonomous elaboration, and his communication skills. Each subject will highlight the methods to acquire such above-mentioned abilities.

Making judgements

Graduate will be able to critically evaluate problems related to all the aspects of his activities, including social and ethic responsibilities. The capacity to make and justify his choices to conjugate knowledge with “know-how” as well as the understanding of social and ethic implications of those choices will be developed during learning pathway by guided exercises and seminars, that have the aim of promoting critical analysis of documents, products, and data, stimulating classification of events and processes, as well as the collection, selection and elaboration of information coming from different sources.

Communication skills

Graduate will properly communicates with specific national or foreign officers, also utilizing a language of EU different by his own one, but generally in English, in the specific disciplinary field. Assessment and evaluation of the preparation of the student will be based on an oral exam. Along with the teaching activity of the most characterizing subjects, lab exercises and seminars carried out by the student on specific arguments will be provided.

Final exam also will offer the student the possibility to verify his knowledge and the communication skills as well as the opportunity to realize text or multimedia products.

Learning skills

Knowledge pathway will allow the graduate to develop independent learning and updating skills to autonomously undertake any other further study, including masters and refresher courses related to his field. In particular: -he/she has the basic knowledge for in progress updating on his/her specific sector, even by using technological instruments of communication and informatics; -he/she developed a study ability to maintain and improve his/her knowledge by in progress updating and autonomously undertake further studies

The goal is to obtain such a preparation to allow a prosecution of further studies. Total working hours provide the student a fair workload, so that he/she may assess and even improve his/her own learning skills.

The rigorous methodological setting of the course has the same goal, allowing the student to develop a personal capacity in analysing all the relevant aspects of a problem, even being complex or interdisciplinary (problem setting) and evaluate different solution (problem solving). Mobility initiatives already activated by the Faculty of Veterinary Medicine (Erasmus project, stages and degree thesis to be carried out in developing countries, etc.) will help this process.

Final exam

Final exam is based on a discussion about a project carried out under the supervision of a Tutor. This project must be documented by a written report and discussed in front of an appropriate committee. Moreover, it may also be carried out along with stages or training periods by external companies or board.

4. Access to the Degree Course (D.M. 270/04)

To enroll in the **Degree Course in Safety of Animal Productions**, student must have a secondary-school diploma or similar diploma obtained in a foreign country. Such a diploma must be recognized by the Council of the Faculty in observance of international agreements.

The course is open to an unlimited number of students. Basic knowledge on biology, chemistry, physics and mathematics are required.

The level of knowledge required will be carried out through a specific **"test"** that shall not affect the enrolment in any way; it is only useful for identifying any gap that could be healed with introductory activities (integration courses) organized by UNICAM.

UNICAM also offer the opportunity to the students to perform a test of **knowledge of the English Language** in order to determine the level of knowledge of each student and eventually to direct him toward support courses.

At this purpose, for all information (date, methods of performance, examples of tests conducted in previous years, etc.), please visit University website (<http://www.unicam.it>).

5. Job opportunities

Graduate will operate in Health Service, either public or private, on prevention, verification and control of procedures to assess the hygiene of food and food processing and selling premises, the farms safety and animal's wellness, following the laws established by the public health authorities, in order to check and verify the quality of human and animal food.

Graduate will assist specialists in carrying out analytic techniques to perform biochemical, microbiological, virological, pharmacological, haematological, immunological, cytological and histopathological tests in the field of clinical diagnostic and medical research for the diagnosis of animal pathologies as well as in the field of agronomy and animal husbandry, in order to perform tests and analysis on the quality of animal and human food and certify the quality, the derived genetic and the production technology and to improve the weaving factory.

6. Term of the Degree Course, teaching frequency

180 credits (ECTS) are required to achieve to degree in **Safety of Animal Productions**. The course will last **3 years; frequency in not mandatory**, but **highly recommended**.

In order to get admitted to the next year, student must achieve at least:

- **25 ECTS** to the II year;
- **50 ECTS** to the III year.

All types of ECTS will be considered to achieve the above mentioned thresholds.

7. Type of training activities and organization of teaching

Before the start of courses all students have the opportunity to participate in the “welcome courses”; that UNICAM organizes every year in the first days of October (for info see the website of the university). The initiative serves to facilitate the integration of new students in the University and give them the tools to start the University studies.

7.1 Types of learning activities

ECTS are classified in two categories:

1. **Mixed credits** reserved to front teaching activity and student's study and personal activities;
2. **Credits** reserved only to student's study and personal activities.

Each credit corresponds to **10 hours** of frontal teaching and **15 hours** of personal studies and activities. All learning activities (**basic, specific, integrative**) as well as **optional activities** will concur to the achievement of this type of credits.

30% of frontal teaching must be reserved **exercises** and **practical activities**.

Each **Professional training activities** credit correspond to **10 hours** of frontal teaching and **15 hours** of personal studies and activities.

With regard to the **final exam**, each ECTS correspond to **25 hours** of personal studies and activities, for a total of **8 ECTS**, while **10 hours** is the engagement for each of the **6 ECTS** on the teaching activity of a **foreign language**.

Final exam is based on a discussion about a project carried out under the supervision of a Tutor. This project must be documented by a written report and discussed in front of an apposite Committee. The success on these exams will determine the achievement of **8 ECTS**.

About the **foreign language**, **6 ECTS** will be assigned either by an **interview** in front of an apposite Committee or by the submission of First Certificate or equivalent.

7.2 Teaching organization

Lessons will be carried out in two periods (called **semesters**), following this schedule for 2010/2011:

First semester: **October 4th 2010 – January 28th 2011**

Second semester: **February 28th 2011 – June 10th 2010**

Integrative courses, reserved to first year's students, will be carried out before the beginning of the learning courses. The **schedule** will be published by the Faculty notice board and website.

The **lessons calendar** will be available for the student before the beginning of the course on the Faculty notice board and website.

Each subject is based on an **integrative course** which may get divided in **modules**: each module must attain at least 3 ECTS.

The list of basic learning courses, either specific or integrative, the indication of scientific-disciplinary sectors (SSD), the organization of modules and respective ECTS, and their distribution along the year course are reported in Annex no.1.

Regarding the **elective credits**, every year by **March** the School/Faculty will propose a list of **optional learning courses**, either related to other degree courses or “*ad hoc*”, in order to favour the choice of the student. Then students must choose optional learning course by **April**.

Teaching courses (Annex no. 1)

I YEAR

	LEARNING ACTIVITIES / Modules	SSD	ECTS	Activity type (1)	Propedeutics (2)	Hours and type of teaching activities		Hours of personal activity	EXAMS
						Ls	P-A		
I YEAR - I SEMESTER									
1.	Mathematics e Physics		10			70	30	150	
	Biomathematics	MAT/06	5	A		35	15	75	1 (mark)
	Medical physics	FIS/07	5		35	15	75		
2.	Statistics e Computer science		8			56	24	120	
	Medical statistics	SECS-S/02	4	C		28	12	60	1 (mark)
	Computer science	ING-INF/05	4		28	12	60		
3.	Chemistry		6			42	18	90	
	Inorganic chemistry	CHIM/03	3	A		21	9	45	1 (mark)
	Organic chemistry	CHIM/06	3		21	9	45		
	Anatomy e Physiology of domestic animals		[12]			[84]	[36]	[180]	
	Compared anatomy	VET/01	6	A	1,2,5	42	18	90	exam with Physiology
4.	English language		6	E		60		90	interview (suitability)
I YEAR - II SEMESTER									
5.	Biochemistry		6			42	18	90	
	Biochemistry	BIO/10	3	B	3	21	9	45	1 (mark)
	Biochemical methodologies	BIO/10	3			21	9	45	
6.	Anatomy e Physiology of domestic animals		[12]			[84]	[36]	[180]	
	Physiology and production animal welfare	VET/02	6	B	1,2,5	42	18	90	1 (mark)
7.	Constructions		9			63	27	135	
	Agro-industrial constructions and technical equipments	AGR/10	4	B		28	12	60	1 (mark)
	Echo toxicology and environmental risk	ICAR/03	5	C		35	15	75	
8.	Economy of productions	AGR/01	5			35	15	75	1 (mark)
	Total year		62			452	168	930	7 exams

(1) Activity type: **A** – basic; **B** – special, **C** – integrative; **D** – electives; **E** – final exam and knowledge of English language; **F** – further linguistic knowledge, computer and relational activities, stage, professional training, etc.

(2) it show the exams that must be previously sat (no number = no propedeutics)

Ls = front lessons including practice and/or laboratory exercitations; P-A = hands on practice

II YEAR

	LEARNING ACTIVITIES / Modules	SSD	ECTS	Activity type (1)	Propedaeutics (2)	Hours and type of teaching activities		Hours of personal activity	EXAMS
						Ls	P-A		
II YEAR - I SEMESTER									
9.	Zooculture		9			63	27	135	
	Breeding systems and techniques of minor zootechnical species	AGR/20	6	B		42	18	90	1 (mark)
	Methodologies applied to the animal breeding	AGR/19	3			21	9	45	
10.	Animal nutrition and alimentation		9			63	27	135	
	Animal food analysis	AGR/18	5	B	5	35	15	75	1 (mark)
	Zootechnical hygiene	AGR/18-19	4			28	12	60	
11.	Genetic methods applied to production variability and Zoology		9			63	27	135	
	Genetic methods applied to production variability	AGR/17	6	A		42	18	90	1 (mark)
	Zoology	BIO/05	3		21	9	45		
II YEAR - II SEMESTER									
12.	Infectious and parasitic diseases		15			105	45	225	
	Microbiology and virology	VET/05	6	B	5	42	18	90	1 (mark)
	Parasitology	VET/06	3			21	9	45	
	Diagnostic techniques and methodologies in microbiology	VET/05	3			21	9	45	
	Diagnostic techniques and methodologies in parasitology	VET/06	3			21	9	45	
13.	Biopathologic techniques and methodologies		10			70	30	150	
	Elements of general pathology	VET/03	4	B	6,12	28	12	60	1 (mark)
	Diagnostic techniques and methodologies in pathologic anatomy	VET/03	6			42	18	90	
14.	Pharmacology and toxicology		6			42	18	90	
	Elements of general pharmacology and toxicology	VET/07	3	B	6	21	9	45	1 (mark)
	Pharmaco-vigilance and pharmaco-surveillance	VET/07	3			21	9	45	
Total year			58			406	174	870	6 exams

(1) Activity type: **A** – basic; **B** – special; **C** – integrative; **D** – electives; **E** – final exam and knowledge of English language; **F** – further linguistic knowledge, computer and relational activities, stage, professional training, etc.

(2) it show the exams that must be previously sat (no number = no propedaeutics)

Ls = front lessons including practice and/or laboratory exercitations; **P-A** = hands on practice

III YEAR (not activated)

	LEARNING ACTIVITIES / Modules	SSD	ECTS	Activity type (1)	Propedaeutics (2)	Hours and type of teaching activities		Hours of personal activity	EXAMS
						Ls	P-A		
III YEAR - I SEMESTER									
15.	Food hygiene and technology		15			105	45	225	
	Food safety	VET/04	5	B	12, 13	35	15	75	1 (mark)
	Food control techniques	VET/04	5			35	15	75	
	Technologies of agroindustrial production line	AGR/15	5			35	15	75	
16.	Preventive medicine	MED/42	5	B	12, 13	35	15	75	1 (mark)
17.	Methodologies in animal reproduction	VET/10	5	B	6	35	15	75	1 (mark)
III YEAR - II SEMESTER									
18.	Legislation and public health		6			42	18	90	
	Veterinary laws	VET/08	3	B		21	9	45	1 (mark)
	Veterinary public health	VET/08	3		21	9	45		
	D - Electives		12						
	F - Other activities (professional training)	VET/04	5				50	75	
		VET/08	4				40	60	
	E – Final exam		8					200	
	Total year		60						4 exams

(1) Activity type: **A** – basic; **B** – special, **C** – integrative; **D** – electives; **E** – final exam and knowledge of English language; **F** – further linguistic knowledge, computer and relational activities, stage, professional training, etc.

(2) it show the exams that must be previously sat (no number = no propedaeutics)

Ls = front lessons including practice and/or laboratory exercitations; P-A = hands on practice

Exams and examinations

Achievement of ECTS related to the learning courses and optional learning courses must pass through an **exam** that consists of an interview in front of an apposite Committee.

Each teacher may arrange "*in itinere*" exams to be carried out along the lessons period, although they do not "formally" represent a part of the respective exam and hence do not attain to independent ECTS.

A student choosing an elective course belonging either to a different degree course in its own University or to another one must present a certification released by the Student Office claiming he passed through the respective achievement exam.

Up to **20** achievement **exams** will be attained to this degree course.

Achievement of **9 ECTS** for **professional training** is certificated by Faculty Council, after the submission of frequency certification.

Achievement **exams' schedule** will be published by the Faculty notice board and website in October.

The student who intends to support an examination is required to **register on-line** (<https://didattica.unicam.it>) to the specific appeal but the exam can be taken even without reservations if the candidate is present in this day and time for appeal.

Practical Applicative Activity and Professional training

Practical lessons:

During the course of study, the total class hours included in the calendar is divided into a **70%** of **lectures** and a **30%** of **practical work** under the direct supervision of the teacher responsible. Is there a detection system designed to produce documents proving any significant activity by the student, for example, by filling in forms or by scientific reports. Such records shall be retained by the teacher as an evidence of the performed practical work.

Training activities, to be carried out either in the Faculty facilities or in accredited public and/or private facilities, will provide practical experiences on control of hygiene food and veterinary public health. Practical activities, to carry out after the II year of course, will last at least **225 hours** and must be daily reported on the apposite register approved by the Tutor and the Responsible of the Learning facility.

Regulation for the request of degree thesis

1. Student must ask for a degree thesis to a Tutor at least **one year earlier the graduation session**, submitting the **apposite application** to the Faculty Secretariat and providing the acceptance by the Tutor and the temporary title of the thesis.
2. if the student renounces to the argument of the thesis, changing scientific-disciplinary areas and/or Tutor, he must follow again the direction of point 1. Renunciation must be certified by submitting an apposite application to the Faculty Secretariat.
3. the Tutor, in case of difficulties, may commit the student to another teacher belonging to the same scientific-disciplinary area or similar area.
4. the Tutor may propose the teacher or the scientific-disciplinary area as referee
5. teachers are called upon to show in the notice board the arguments available for the degree thesis and how many student they may take every academic year.
6. a copy of the degree thesis must be given to the Faculty Secretariat as compact disk (CD) format, including pictures and movies.

In order to facilitate data storage for a further entry in the Faculty website, this copy must mandatory provide a **title both in Italian and in English, an abstract in Italian and in English (up to 250 words), 5 keywords in Italian and in English**. These directions are not mandatory for paper copies.

Regulation for the submission of documentation for the degree examinations

The **application** for admission to the degree examination, in revenue stamp and on a appropriate form available at the Student Office or downloaded from the website of the university, must be submitted or delivered to the Student Office at least 20 days before the date fixed for the degree examination and must be accompanied by the following documents:

- **request of the original diploma degree** in revenue stamp and on the appropriate form available at the Student Office or downloaded from the website of the university;
- **receipt** proving the payment of the tax degree;
- only for **students** who graduate **in course**, **application** for the reimbursement of taxes and contributions paid for the last year of enrollment;

- A copy of the **thesis in electronic format**, accompanied by: a) **declaration** signed by the candidate that the documentation delivered in electronic form is consistent with that presented to the Tutor b) **First page of the thesis** signed by the candidate and by the Tutor.

The title of the thesis must include: the academic year, the School of belonging, the degree course, the discipline covered by the dissertation, the title of the thesis and the kind of thesis (experimental or not), the name of the Tutor and the name of the candidate;

- **Declaration** by the Office Support ERSU certifying the regularity of student's administrative position;
- **Alma Laurea** (for compilation are required name, surname and passwords already in possession of the student and already used for other online UNICAM services)
- **Student mark book**

Cannot be admitted to the degree examination students who have not passed the last exam at least 15 days before the date fixed for the meeting of graduation. In this case the book entry to be returned to the Student Secretariat **not later than** the day following the date of the last exam.

The start time and venue of meetings will be announced by the Directorate of School / Faculty with appropriate notice.

20 days before the date fixed for the degree examination, the candidate must deposit in the premises of the Director of the School / Faculty:

- a **second** copy of the **thesis in electronic format**, together with the attachments above mentioned, for the archives of the School. In the CD containing the thesis file, separately, will be given **the title of the thesis in English and Italian, a summary in Italian and English (maximum 250 words), 5 key words in Italian and 5 key-words in English.**
- A copy of the **thesis in printed form** for Examiners to be delivered to the Directorate of the School

The total number of copies printed is 3 (one for the speaker, one for the Examiners and one for the Candidate) and two in electronic form (one for the Student Office and the Directorate of School).

The student who intends to submit an **experimental thesis** must attend a scientific laboratory, preferably of the School / Faculty for a period to be agreed between the student and the Tutor.

During that period, the student is also involved in the cultural activities of the research group.

The student who, within 20 days from the date fixed for the degree examination, is unable to arrange for delivery of the thesis (because **in course of drafting and printing**), may request the Tutor to postpone that deadline **by a declaration to be filled in duplicate**, on a special form available at the Student Office of School / Faculty.

Prerequisites

Exams shown in column **A** must be sat before the exams shown in column **B**:

<i>Column A</i>	<i>Column B</i>
▪ <i>Chemistry</i>	▪ Biochemistry
▪ <i>Mathematics and Physics</i> ▪ <i>Statistics and Informatics</i> ▪ <i>Biochemistry</i>	▪ Anatomy and Physiology of domestic animals
▪ <i>Biochemistry</i>	▪ Animal nutrition and alimentation ▪ Infectious and parasitic diseases
▪ <i>Anatomy and Physiology of domestic animals</i> ▪ <i>Infectious and parasitic diseases</i>	▪ Biopathologic techniques and methodologies
▪ <i>Infectious and parasitic diseases</i>	▪ Pharmacology and toxicology
▪ <i>Infectious and parasitic diseases</i> ▪ <i>Biopathologic techniques and methodologies</i>	▪ Food hygiene and technology ▪ Preventive medicine
▪ <i>Anatomy and Physiology of domestic animals</i>	▪ Methodologies in animal reproduction

Student must respect the shown propaedeutics on pain of exam invalidation.

8. Table of training activities and teachers

The **Annex A** of this guide contains tables with detailed information on the educational activities taking place in the academic year 2010-2011 and the names of teachers that will cover these activities.

These activities are aimed to:

- Students who **start the course in 2010/2011 and are in the first year**
- Students who **started the course in 2009/2010 and are the second year**

9. Curricula of teachers, programs of individual learning activities, educational facilities

The programs of individual learning activities and their description are made available by teachers through the University website, under "training offer"

Through the same website it is possible access to the CVs of the teachers and the description of educational and scientific facilities available.

10. Teaching support services

• Orientation

Pre-University Orientation

As part of training, pre-university orientation provides secondary school students with methodologies and practical information for choosing the university course of study best suited to their goals and skills. For this purpose UNICAM offers:

- Guided visits to the University and Orientation Meetings in secondary schools in the Marche and other Regions
- UNICAM Internships
- Project Credits (educational projects for students in the last two years of secondary schools)
- Knowledge Travels (educational and informative seminars given by UNICAM lecturers at schools)
- Open Doors at UNICAM (orientation days for secondary school students)
- Open Doors in the University Schools (opportunities for future university students to acquire exhaustive information on teaching programs and on University services)

Postgraduate orientation

There is often a gap between the learning program at a university and the reality of the workplace the student needs to enter into. The orientation service offers students, who are just graduating and postgraduate students, room for reflection on the choices of support activities for vocational training. This is done in collaboration with the Internship and Placement Service,

The event "Young People + University = Work" is of particular relevance here. This takes place each year, generally in the autumn. University students and new graduates are invited to attend the event to have an opportunity to listen to the accounts given by many different professionals, to meet and to establish direct contacts with company representatives, and to get to know experts from the world of work so they can start to plan out their own personal career path.

• The Tutoring / Mentoring program

Mentoring contributes to the cultural and professional training of the student, encouraging wider and more and active participation throughout the entire degree course.

The mentoring program has the following objectives:

- Assist the student in all aspects of their study
- Encourage different ways of participating in the training process
- Remove barriers to education through initiatives tailored to the needs, aptitudes and requirements of each individual student.

UNICAM's Mentoring Program provides specialized tutoring activities for both groups and individuals.

It organizes a flexible range of teaching tutorials during the teaching year, conducted by tutors who have been chosen for their particular profiles, aimed at activities for students who work and for the different teaching ap-

proaches required for e-learning.

- Group Tutoring: provides scheduled meetings with the course teachers, designed to highlight and resolve, through input also from the students, any problems encountered in the teaching course.
- Individual Tutoring: UNICAM assigns to each student a 'teaching tutor' whose task is to follow and advise the student throughout their course of study. This is done through regular meetings and through meetings requested by the student.
- Teaching Tutoring: provides Bridging Courses covering the basic scientific disciplines (mathematics, chemistry and physics) and English. Should serious difficulties be encountered in learning activities, tutoring provides groups with recovery support.

Other Events:

- Acclimatization Days for incoming students
- Appointments with the Tutors (seminars and workshops for university students on general topics given by experts). The meetings are held periodically during the academic year

- **The opportunity to study abroad**

UNICAM offers many possibilities for international mobility:

ERASMUS for study

The program allows the student to spend a period of study abroad (from 3 to 12 months), providing the opportunity to take courses, to take advantage of university facilities, to conduct research aimed at drafting their degree thesis, and to obtain recognition of exams taken abroad, provided they have been pre-designated within an appropriate study program.

Students who are interested can take part in the annual call from the University published in the period December - February.

Erasmus Student Placement (internship)

Starting in the 2007/2008 academic year, it is possible within the Erasmus program to hold internships (from 3 to 12 months) in enterprises, in research centres, and in European training centres, ensuring a recognition of curricular activities carried out abroad, provided there is agreement in advance with their respective Erasmus coordinators.

- **Internships**

The connection between the university and the workplace is one of the priorities at UNICAM. UNICAM organises meetings and dialogues amongst students, graduates, professionals and companies. In this spirit, the internship is an important tool allowing students, both graduates and the recently graduated, to have experience in a real working environment, an opportunity to learn directly about working-life and the opportunity, in some cases, to develop a particular expertise.

The University of Camerino has agreements with more than 1800 companies, institutions, administrative and professional offices, where students, both undergraduate and graduate, may pursue their internships. An internship can be done both in Italy and abroad.

Services offered

- Management of a database (UNICAM Stage) through which internships are offered. These can be carried out in companies or in public and private agencies
- Activation of post-graduate internships in companies
- Insertion of the CVs of UNICAM graduates into the online database UNICAM Job
- Support activities during entry into the workplace
- Participation in the program 'Work Kit' ('Borsa Lavoro') (a net of online services and an open system for putting together inquiries and offers of work via the Internet: www.unicam.it/laureati/mondolavoro/index.asp)

- **Services for welcoming students with disabilities**

The 'Welcome Service for Disabled Students' aims at providing students with disabilities equal opportunities for managing their studies and for the chance to live fully the college experience.

This objective is pursued through outreach activities, through technology and through staff specially dedicated to students, as well as by the removal of physical and cultural barriers standing in the way of learning and standing in the way of everyday life.

By contacting the Service Tutors, it is possible map out a training plan which taking into account the particular disability and individual goals, defines solutions and personalised participation.

Facilities and services:

- Technological aids and specialised teaching support
- Personalised examinations (for entry and for credits)
- Specialised tutoring
- Transport with accompanying person
- Location and delivery of library materials
- Tax reduction and exemption
- Housing suitably equipped and the possibility of economic assistance for accompanying person

- Access to university facilities
- Psychological counselling
- Access to sports facilities of C.U.S. (University Sports Centre)
- Assistance in participating in the LLP/ Erasmus programme
- Internships and training courses aimed at work placement

11. Quality assurance system

The Course in **Safety of Animal Production** is included in the UNICAM Quality Assurance System certificate ISO 9001:2008 (from AFAQ-France, the leading French certification body and one of the first certification bodies in the world). The system is aimed at ensuring for students the high quality of services provided. This is achieved through a rigorous analysis of internal organizational procedures and the prompt handling of any problems that are picked up or that are reported by students.

The Quality Management System includes support services for students. These are: guidance; tutoring; international mobility; internships and placement; communication. They provide a back-up to the teaching activities, thus contributing to the complete training of the student.



12. Special administrative arrangements

Registrations

Applications for registration to the Degree in Animal Production Safety must be submitted to the Student Office **from July 15 to October 10, 2010**.

Transfers

Transfers **from other universities** must be received at the University of Camerino **not later than October 10, 2010**.

Requests for transfer to other universities must be submitted to the Student Secretariat **not later than October 10, 2010**.

Requests for **transfer from other degree courses** of the University of Camerino must be received **no later than October 10, 2010**.

Recognition of credits

The **recognition of credits acquired by the student** in another degree course at the University of Camerino, or other degree of other Italian or foreign University recognized, shall be subject to the acquisition of the credits in the same scientific areas of the degree course in Safety of Animal Production and only if the total number of CFU of which is requires the approval is equal or superior to that given by the institutional regulations.

The evaluation of these requirements is proposed by the Teaching Commission and approved by the Council of School / Faculty.

For the recognition of credits to the same degree of other Italian or foreign University recognized, these statements are taken into consideration considered if acquired in the same disciplines although in different number.

Credits acquired in the Erasmus program are recognized and those resulting from extra-curricular training and work experience.

13. Other useful Info

All communications and / or information regarding the student enrolled in the Degree in Safety of Animal Production is provided through notice on the website of the School / Faculty, and alone, in the case of specific problems, the Secretariat of the same School / Faculty.

Polo didattico (Main Teaching Building)

Via Fidanza, 15

Matelica

Tel. 0737/404000

Fax 0737/404010

Annex A

**Detailed information and individual learning activities teachers
Academic Year 2010-2011**

EDUCATIONAL ACTIVITIES OF THE I YEAR (for beginners in 2010-11)											
RESPONSIBLE educational activity	EDUCATIONAL ACTIVITY	TEACHING UNIT	SSD activity	Semester	Type of activity (*)	CFU	hour lessons include practical exercises and / or laboratory	work-hour practical application	TEACHER	SSD TEACHER	School Membership
DE LEONE	Mathematics and Physics	Biomathematics	MAT/06	I	A	5	35	15	DE LEONE R.	MAT/09	ST
		Medical Physics	FIS/07	I	A	5	35	15			
MARCANTONI	Statistics and Computer Science	Medical Statistics	SECS-S/02	I	C	4	28	12	VALBONESI A.	BIO/05	ES
		Computer Science	ING-INF/05	I	C	4	28	12	MARCANTONI F.	ING-INF/05	ST
PETTINARI	Chemistry	Inorganic chemistry	CHIM/03	I	A	3	21	9	PETTINARI C.	CHIM/03	SF
		Organic Chemistry	CHIM/06	I	A	3	21	9	BARBONI L.	CHIM/06	ST
ZERANI	Anatomy and Physiology of domestic animals	Compared anatomy	VET/01	I	A	6	42	18	MIGNINI F.	BIO/16	SF
		Physiology and production of animal welfare	VET/02	II	B	6	42	18	ZERANI M.	VET/02	SMV
BARCHIESI	English Language		L-LIN/12	I	E	6	60		BARCHIESI M.		
VINCENZETTI	Biochemistry	Biochemistry	BIO/10	II	B	3	21	9	FELICI A.	BIO/10	SMV
		Biochemical methodologies	BIO/10	II	B	3	21	9	VINCENZETTI S.	BIO/12	SMV
FALCONI	Constructions	Agro-industrial construction and technical equipments	AGR/10	II	B	4	28	12	FALCONI R.		
		Ecotoxicology and Environmental Risk	ICAR/03	II	C	5	35	15			
ANSALONI	Economy of productions		AGR/01	II	C	5	35	15	ANSALONI F.	AGR/01	SA

EDUCATIONAL ACTIVITIES OF THE II YEAR (for those who started in 2009-10)											
RESPONSIBLE educational activity	EDUCATIONAL ACTIVITY	TEACHING UNIT	SSD activity	Semester	Type of activity (*)	CFU	hour lessons include practical exercises and / or laboratory	work-hour practical application	TEACHER	SSD TEACHER	School Membership
MELOTTI	Zooculture	Breeding systems and techniques of minor zootechnic species	AGR/20	I	B	6	42	18	MELOTTI P.	AGR/20	SMV
		Methodologies applied to animal breeding	AGR/19	I	B	3	21	9	RONCARATI A.	AGR/20	SMV
POLIDORI	Animal Nutrition and alimentation	Animals food analysis	AGR/18	I	B	5	35	15	POLIDORI P.	AGR/18	SF
		Zootechnical hygiene	AGR/18-19	I	B	4	28	12	D'AGATA M.		
LA MANNA	Genetic methods applied to production variability and zoology	Genetic methods applied to production variability	AGR/17	I	A	6	42	18	LA MANNA V.	AGR/17	ES
		Zoology	BIO/05	I	A	3	24	6	VALBONESI A.	BIO/05	ES
GALLI	Infectious and parasitic diseases	Microbiology and virology	VET/05	II	B	6	42	18	GALLI R.		
		Parasitology	VET/06	II	B	3	21	9	HABLUETZEL A.	VET/06	SF
		Diagnostic techniques and methodologies in microbiology	VET/05	II	B	3	21	9	PETRELLI D.		
		Diagnostic techniques and methodologies in parasitology	VET/06	II	B	3	21	9	DUTTO M.		
VERIN	Biopathologic techniques and methodologies	Elements of general pathology	VET/03	II	B	4	28	12	VERIN R.		
		Diagnostic techniques and methodologies in pathologic anatomy	VET/03	II	B	6	42	18	VERIN R.		
MARINI	Pharmacology and toxicology	Elements of general pharmacology and toxicology	VET/07	II	B	3	21	9	MARINI C.	VET/07	SMV
		Pharmaco-vigilance and pharmaco-surveillance	VET/07	II	B	3	21	9	MARINI C.	VET/07	SMV

LEGEND: Activity type: **A** – basic; **B** – special, **C** – integrative; **D** – electives; **E** – final exam and knowledge of English language; **F** – further linguistic knowledge, computer and relational activities, stage, professional training, etc.

School affiliation:

- **SMV** – Medical Veterinary Science
- **ST** – Science and Technology
- **SF** – Farmacology
- **ES** – Enviromental Sciences
- **BB** – Bioscience and Biotechnology