

General Information	
Academic subject	Principles of animal feeding
Degree course	agricultural science and technologies
Curriculum	
ECTS credits	3 ECTS
Compulsory attendance	No
Language	Italiano

Subject teacher	Name Surname	Mail address	SSD
	Giuseppe Marsico	giuseppe.marsico@uniba.it	AGR/19

ECTS credits details			
Basic teaching activities	2 ECTS frontal lesson	1 ECTS exercises	

Class schedule	
Period	first semester
Year	2017/2018
Type of class	Lecture- workshops

Time management	
Hours	75
In-class study hours	30
Out-of-class study hours	45

Academic calendar	
Class begins	2 <sup>nd</sup> october 2017
Class ends	26 <sup>th</sup> january 2018

Syllabus	
Prerequisites/requirements	
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	<p><i>Knowledge and understanding</i></p> <ul style="list-style-type: none"> <li>- Knowledge of:</li> <li>- nutritional value of feeding;</li> <li>- relationship between nutrition and quality of animal production</li> </ul> <p><i>Applying knowledge and understanding</i></p> <ul style="list-style-type: none"> <li>- Ability to calculate the rationing of the animals by income according to their nutritional needs.</li> </ul> <p><i>Making informed judgements and choices</i></p> <ul style="list-style-type: none"> <li>- Ability to correctly orientate the search for suitable solutions to change the food characteristics according to particular needs.</li> </ul> <p><i>Communicating knowledge and understanding</i></p> <ul style="list-style-type: none"> <li>- Ability to report correctly the procedures and techniques underlying the calculation of food rations.</li> </ul> <p><i>Capacities to continue learning</i></p> <ul style="list-style-type: none"> <li>- Ability to deepen and update their knowledge of nutritional values of foods and new derivatives.</li> </ul>
Contents	- nutritional principles;

	<ul style="list-style-type: none"> <li>- chemical-physical valuation of feeding</li> <li>- expression of energetic and proteic value of feed</li> <li>- animal feeding: fresh and preserved fodder, concentrated, other products;</li> <li>- pastures and their rational exploitation</li> <li>- food and rationing requirements for livestock production of meat and milk.</li> </ul>
<b>Course program</b>	
<b>Bibliography</b>	<ul style="list-style-type: none"> <li>• Antongiovanni M., Gualtieri M. – Nutrizione e alimentazione animale. Edagricole Bologna. 1998.</li> <li>• Borgioli E. - Alimentazione e Nutrizione Animale. Ed. Edagricole.</li> <li>• Mc Donald P., Edwards R.A., Greenhalgh J.F.D. - Nutrizione Animale. IV edizione Tecniche Nuove, Milano.</li> <li>• I.N.R.A. – Tables de l'alimentation des bovins, ovins &amp; caprins. 1988 Paris (France).</li> <li>• NRC – United States-Canadian tables of feed composition. National Academy of Science, Washington DC (USA), 1982</li> <li>• Martillotti F., Bartocci S., Verna M., Malossini F. – Composizione chimica e valore nutritivo di mangimi semplici. M.A.F. e I.S.Z. 1989</li> <li>• Piccioni M. – Dizionario degli alimenti per il bestiame. Edagricole Bologna. 1990</li> </ul>
<b>Notes</b>	
<b>Teaching methods</b>	The course topics will be handled with PowerPoint presentations, video clips, classroom exercises or labs and practical lessons.
<b>Assessment methods (indicate at least the type written, oral, other)</b>	<p>For students enrolled in the course year in which the lesson is held, an oral examinations test is provided. The outcome of this test is the evaluation of the profit test and is valid for one academic year. The exam consists of an oral test on the topics developed during the theoretical and theoretical lessons in the classroom and the laboratory / manufacturing companies.</p> <p>The assessment of the student's preparation takes place on the basis of established criteria, as detailed in the appendix to the Teaching Regulations of the Degree Course.</p> <p>For students who have supported the exemption test, the assessment of the profit test is expressed as the average of the exemption vote and the final exam.</p> <p>The foreign student's profit test can be done in English in the manner described above.</p>
<b>Evaluation criteria</b>	<ul style="list-style-type: none"> <li>• <b>Knowledge and understanding skills</b> Descriptive capabilities of the nutritional value; of the relationship between the animal feeding and the quality of animal production</li> <li>• <b>Knowledge and understanding skills applied</b> adequate understanding and knowledge on the calculation of the rationing of livestock</li> </ul>

	<ul style="list-style-type: none"><li>• <b>Autonomy of judgment</b> Variation of food compositions according to particular needs</li><li>• <b>Communicative Skills</b> ability and ability to describe the procedures and techniques underlying the calculation of food rations</li><li>• <b>Ability to learn</b> adequate ability to hypothesize new food compositions</li></ul>
Further information	

**Visiting hours**

Every day from Monday to Friday from 9.00 am to 12.00 pm.