| **CATTLE AND SHEEP PRODUCTION (3 CFU; 28+8)** |

CATTLE AND SHEEP PRODUCTION (3 CFU; 28+8)

LEARNING OUTCOMES: Students will acquire basic knowledge on farming systems and their evaluation with particular regard to bovines and ovines. At the end of the course, students are expected to know morpho-functional aspects of the main dairy, beef and ovine breeds, farming technologies and their relationship with products quality

Subjects and skills	Topics	Specific contents	Hours
	Introduction and aim of the course. Rules for the final examination		1
1.Dairy cow production *The student knows farming and milking systems and technologies and gets knowledge on factors affecting milk quality*	*Different animal categories. Farming systems. Milk production*	Productive and reproductive cycle of dairy cows. Housing and management of the herd	6
		Milking technologies and hygiene.	3
		Milk quality	2
2.Calf and beef production *The student knows the different farming systems and technologies for beef production and gets knowledge on carcass and meat quality*	*Different animal categories. Farming systems. Meat production*	Production of veal calves.	2
		Beef cattle production and carcass classification	4
		Extensive beef cattle production and local high quality products	4
3.Sheep production *The student knows the different farming systems and technologies for sheep production*	*Ovine milk and meat production*	Farming systems and technologies for ovine milk production	2
		Farming systems and technologies for ovine meat production	2
		The quality of ovine milk and meat	2
4. Practical activity *Each student is able to transfer the theoretical concepts learned in the course into practice*		Ability to recognize and evaluate different bovine and ovine breeds	4
		Discussion of videos showing different technologies and issues related to bovine and ovine production systems	4